

HALLIBURTON

ARRAY COMPENSATED
TRUE RESISTIVITY
LOG

COMPANY WELL FIELD/BLOCK COUNTY STATE				MERIT ENERGY COMPANY WENU 505 EUBANK NORTH HASKELL KANSAS			
COMPANY WELL FIELD/BLOCK COUNTY STATE				MERIT ENERGY COMPANY WENU 505 EUBANK NORTH HASKELL KANSAS			
API No. 15081222070000 Location (SHL) 1847' FSL & 1947' FEL NW SE NW SE				Other Services: DSNT/SDLT MICROLOG BSAT ACRT			
Sect. 4 Twp. 28S Rge. 34W				Elev.: K.B. 3089.0 ft D.F. 3089.0 ft G.L. 3077.0 ft			
Permanent Datum Log measured from Drilling measured from				GL KB 12.0 ft above perm. Datum KB			
Date				24-Nov-19			
Run No.				ONE			
Depth - Driller				5580.0 ft			
Depth - Logger				5579.0 ft			
Bottom - Logged Interval				5570.00 ft			
Top - Logged Interval				1750.00 ft			
Casing - Driller				8.625 in @ 1755.0 ft			
Casing - Logger				1750.0 ft			
Bit Size				7.875 in @			
Type Fluid in Hole				Water Based Mud			
Density				9.20 g/cc 66.00 s/qt			
PH				10.50 pH 7.2 cpm			
Source of Sample				MUDPIT			
Rm @ Meas. Temperature				1.13 ohmm @ 75.00 degF			
Rmf @ Meas. Temperature				1.02 ohmm @ 75.00 degF			
Rmc @ Meas. Temperature				1.25 ohmm @ 75.00 degF			
Source Rmf				MEAS MEAS			
Rm @ BHT				0.68 ohmm @ 129.0 degF			
Time Since Circulation				4.0 hr			
Time on Bottom				24-Nov-19 16:00			
Max. Rec. Temperature				129.00 degF @ 5579.0 ft			
Equipment				12147634 EL RENO, OK			
Recorded By				JORGE ORLANDO PEREZ			
Witnessed By				MARTIN LANGE			

Fold here

Service Ticket No.: 906120593						API No.: 15081222070000						PGM Version: WL INSITE R6.2.7 (Build 7)					
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.			@			@				I-12109517							
Source Rmf	Rmc								S-12109515								
Rm @ BHT			@			@											
Rmf @ BHT			@			@											
Rmc @ BHT			@			@											
EQUIPMENT DATA																	
GAMMA				ACOUSTIC				DENSITY				NEUTRON					
Run No.		ONE		Run No.		ONE		Run No.		ONE		Run No.		ONE			
Serial No.		11958947		Serial No.		10747686		Serial No.		10951315		Serial No.		10993115			
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.		5471GW		Serial No.		DSN-424			
Distance to Source		N/A		FWDA [Y/N]				Strength		1.78 Ci		Strength		15.0 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 uSec/ft	30	-10	2.71 ar/cc	30	-10	LIME			



1800

1900

2000

Gamma Ray

SP

20in Resistivity 2ft Res

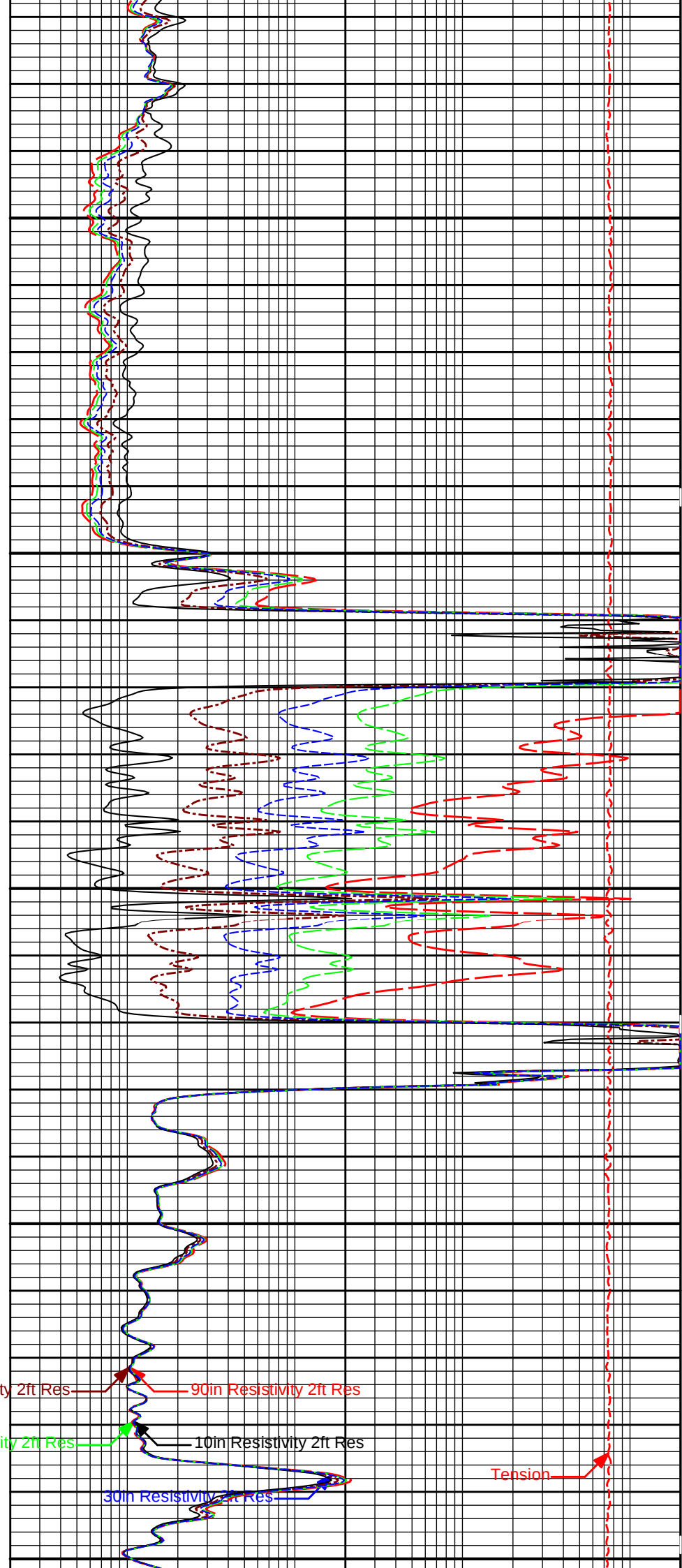
60in Resistivity 2ft Res

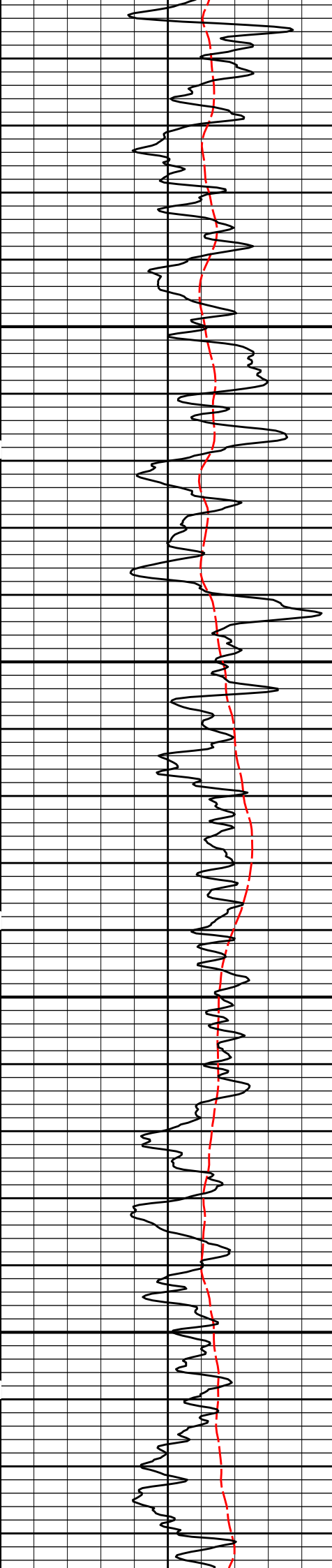
90in Resistivity 2ft Res

10in Resistivity 2ft Res

30in Resistivity 2ft Res

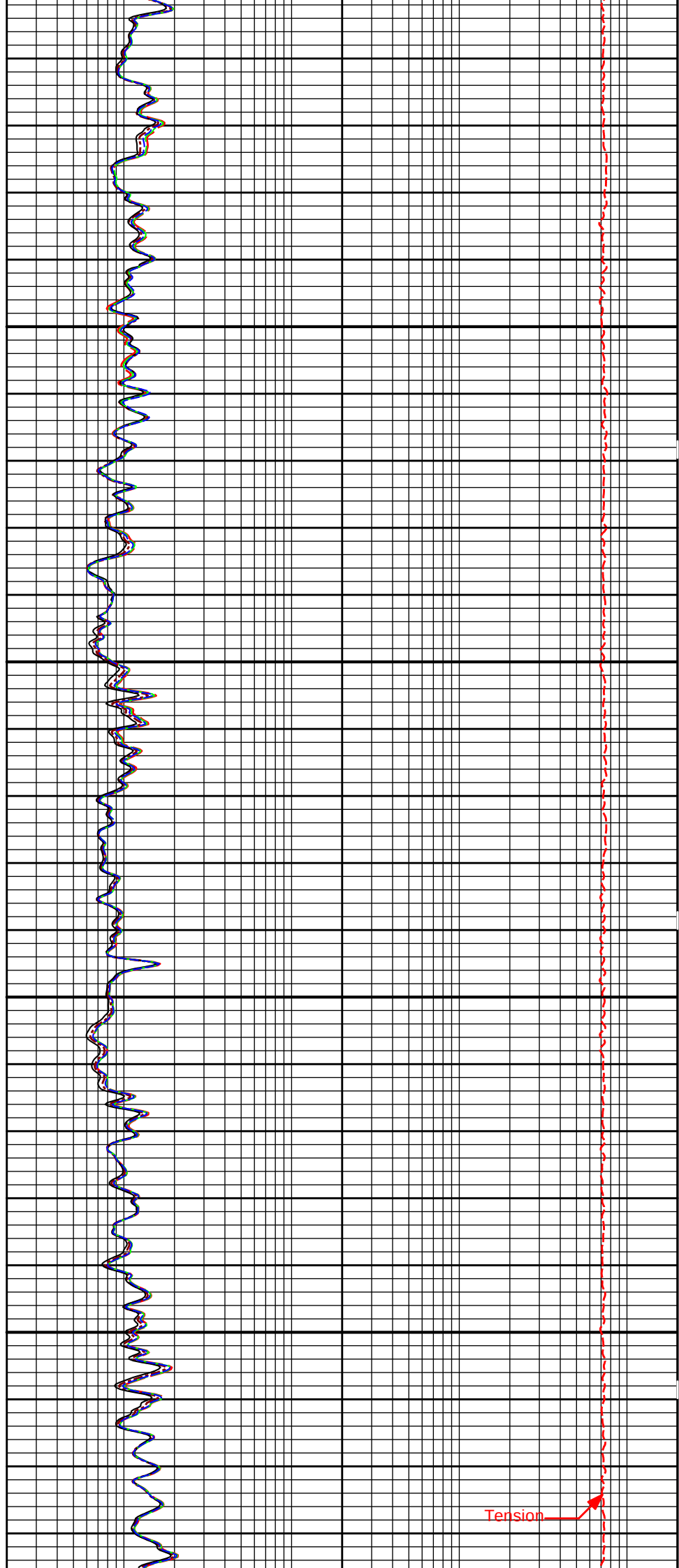
Tension



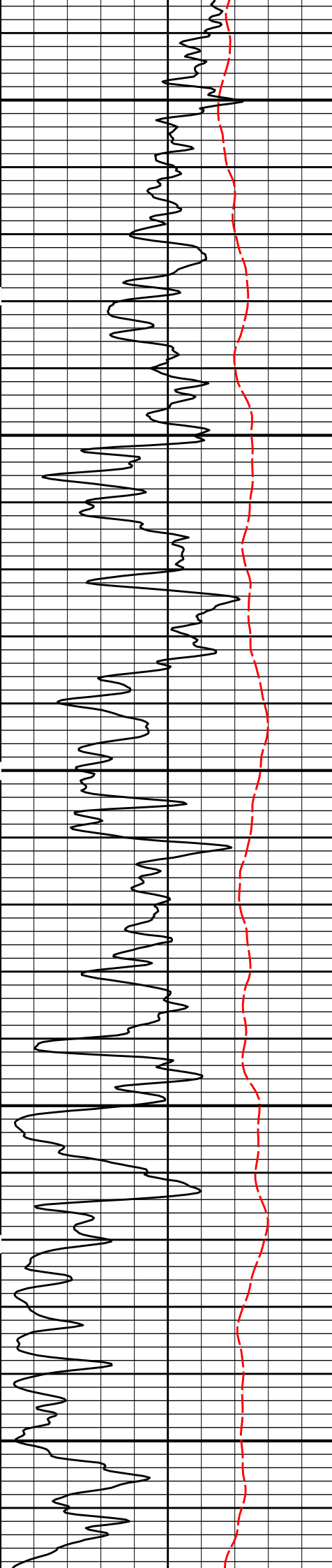


2100

2200

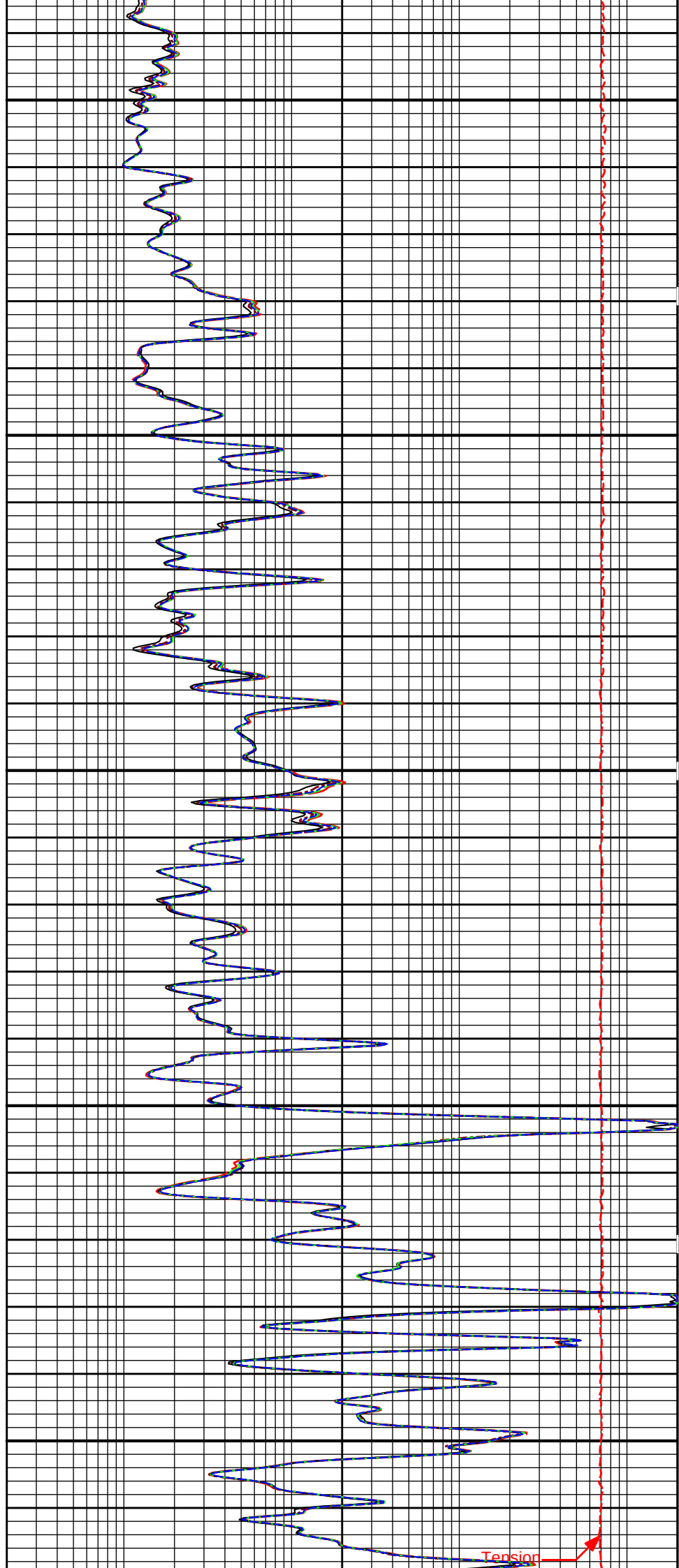


Tension

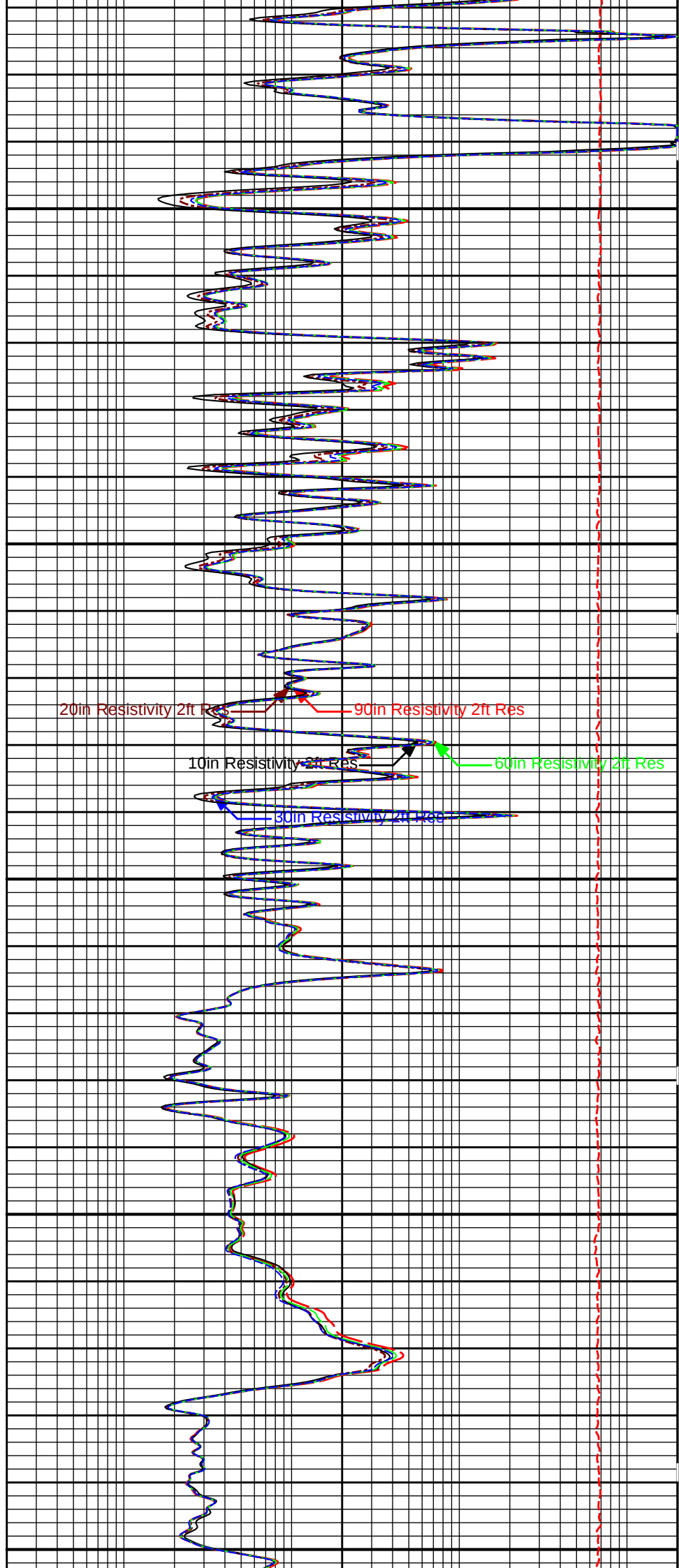
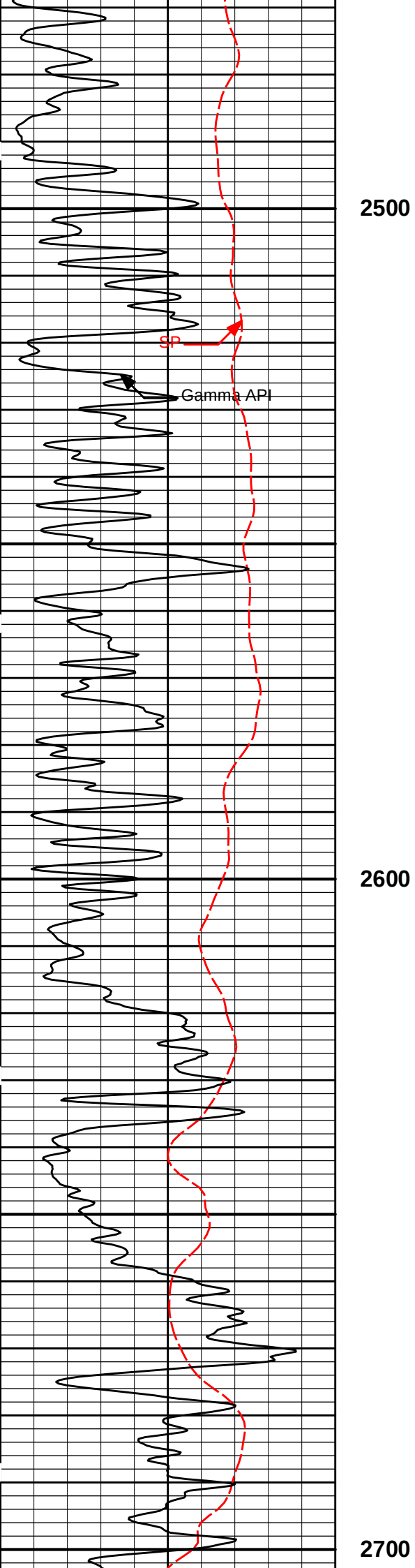


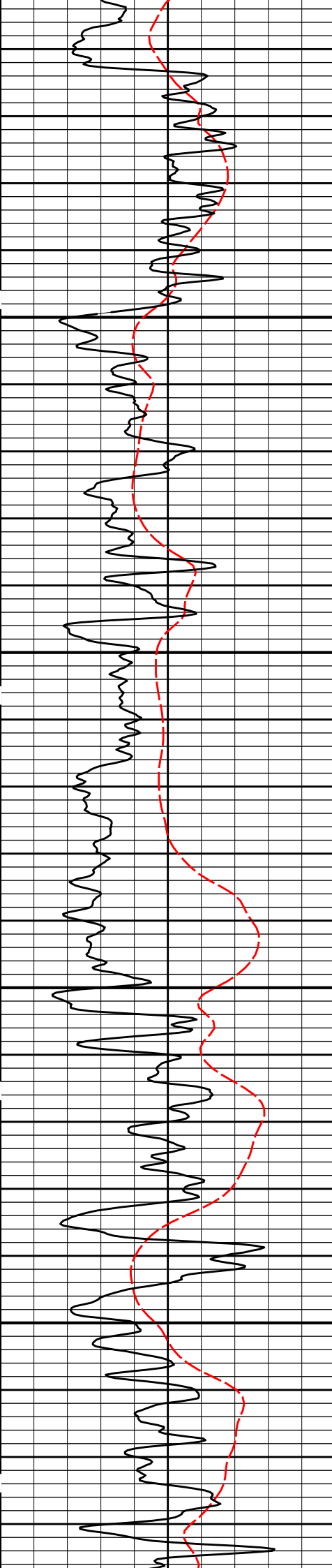
2300

2400



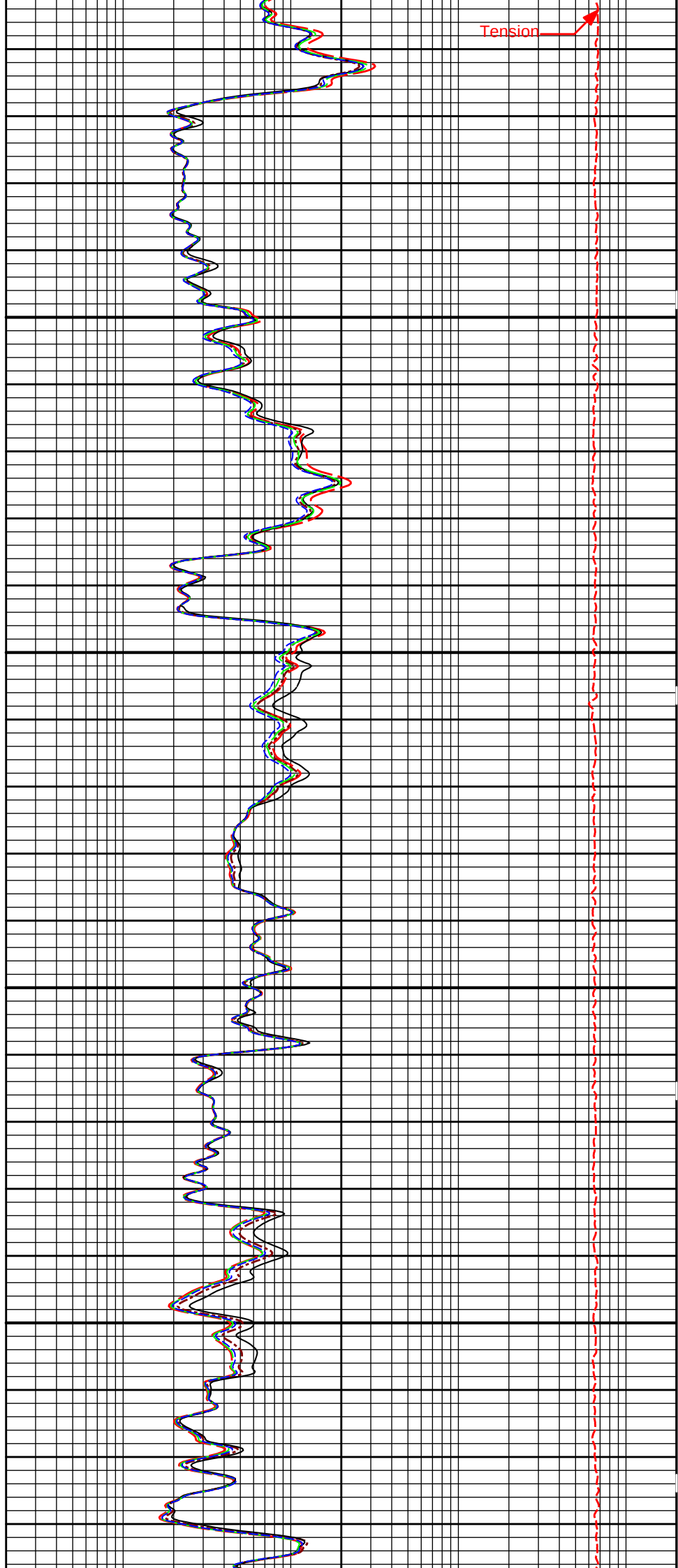
Tension

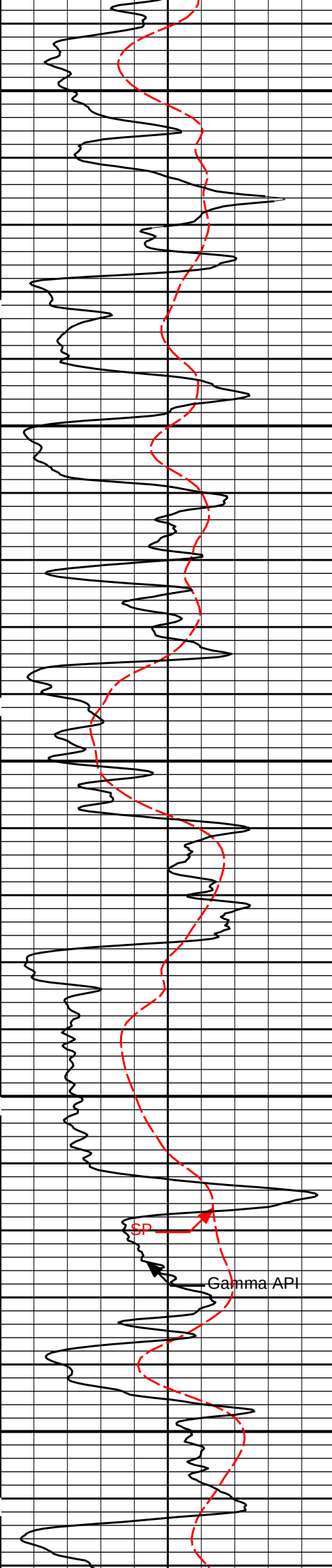




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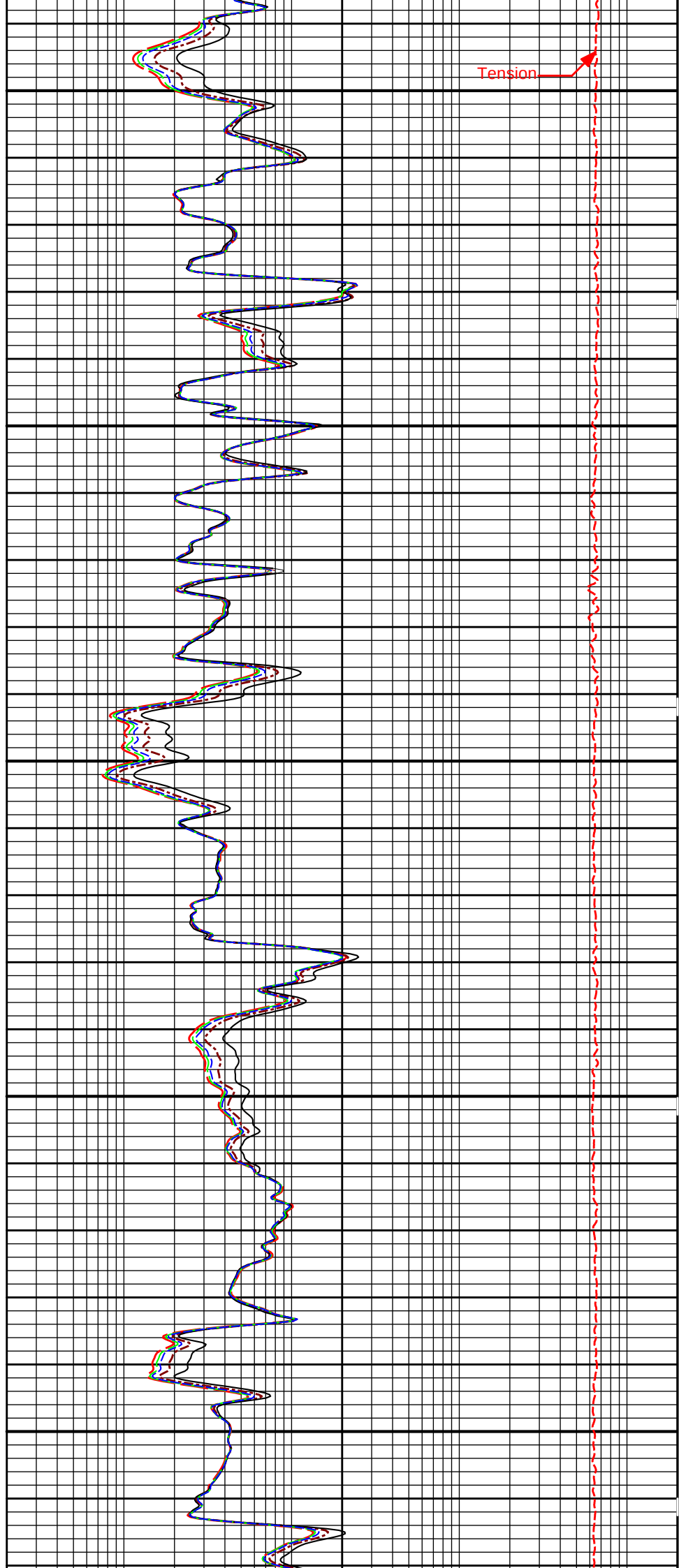
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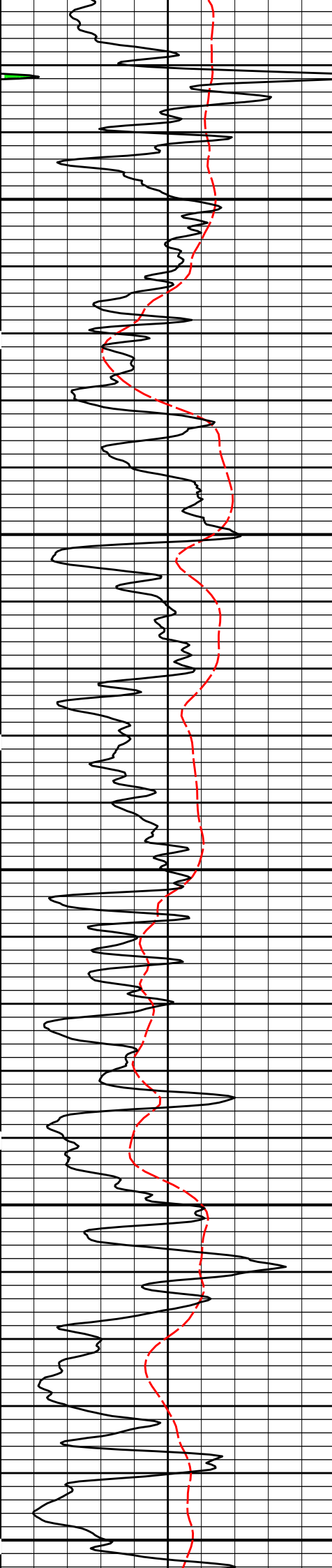




3000

3100

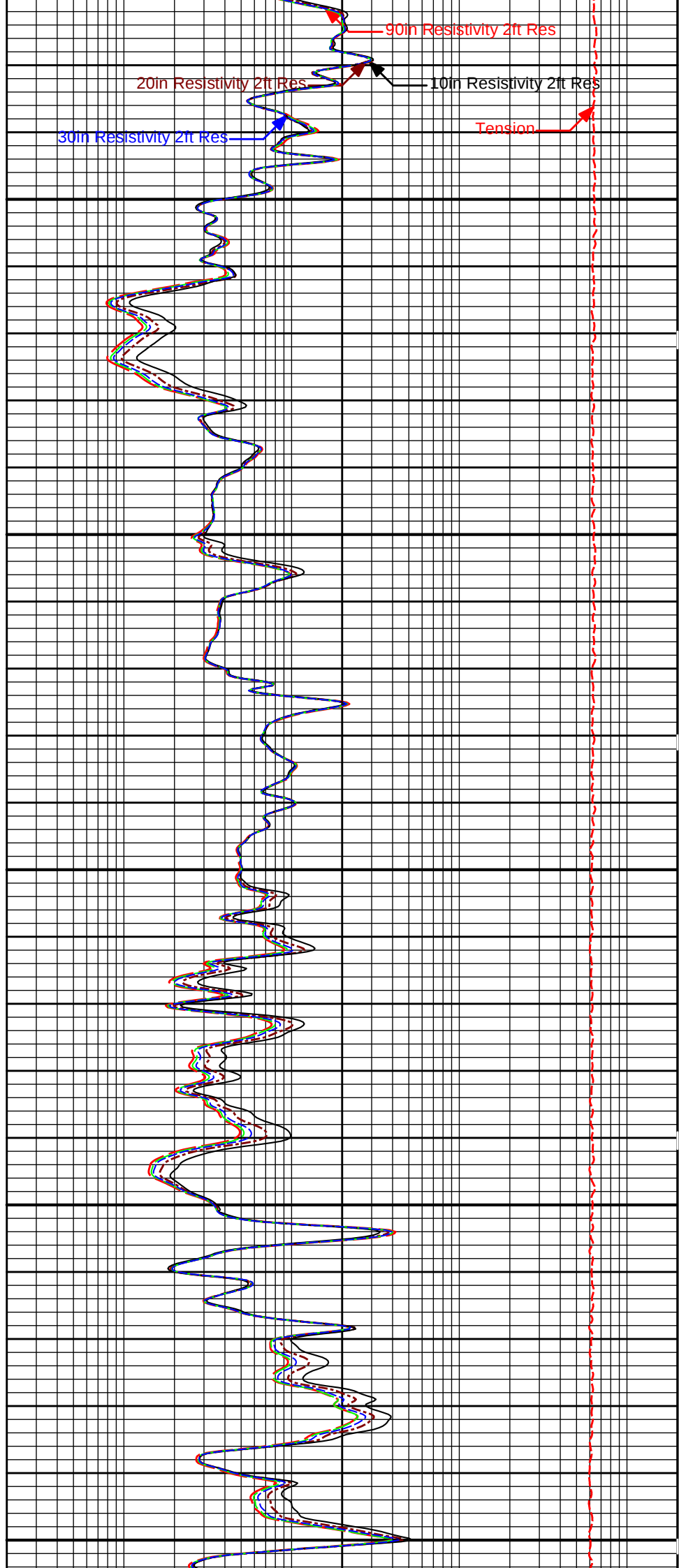




3200

3300

3400



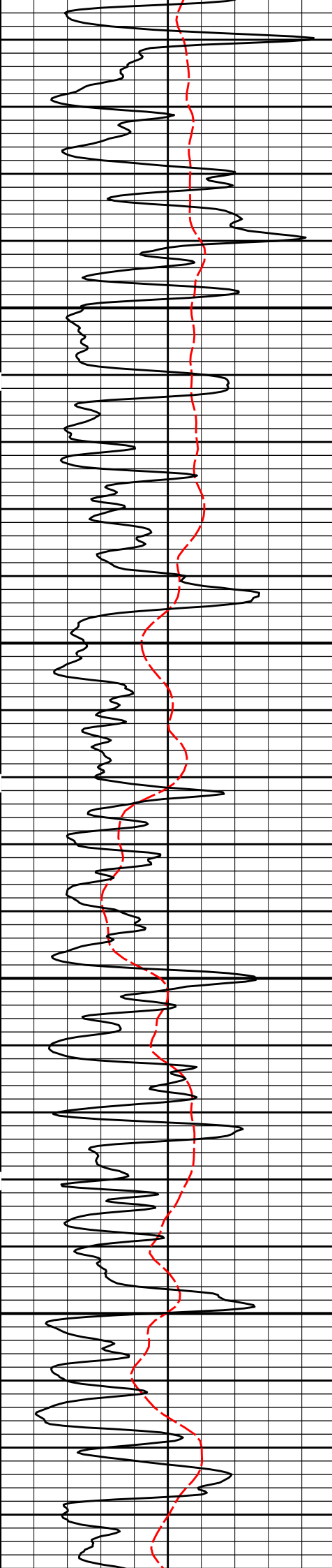
20in Resistivity 2ft Res

30in Resistivity 2ft Res

90in Resistivity 2ft Res

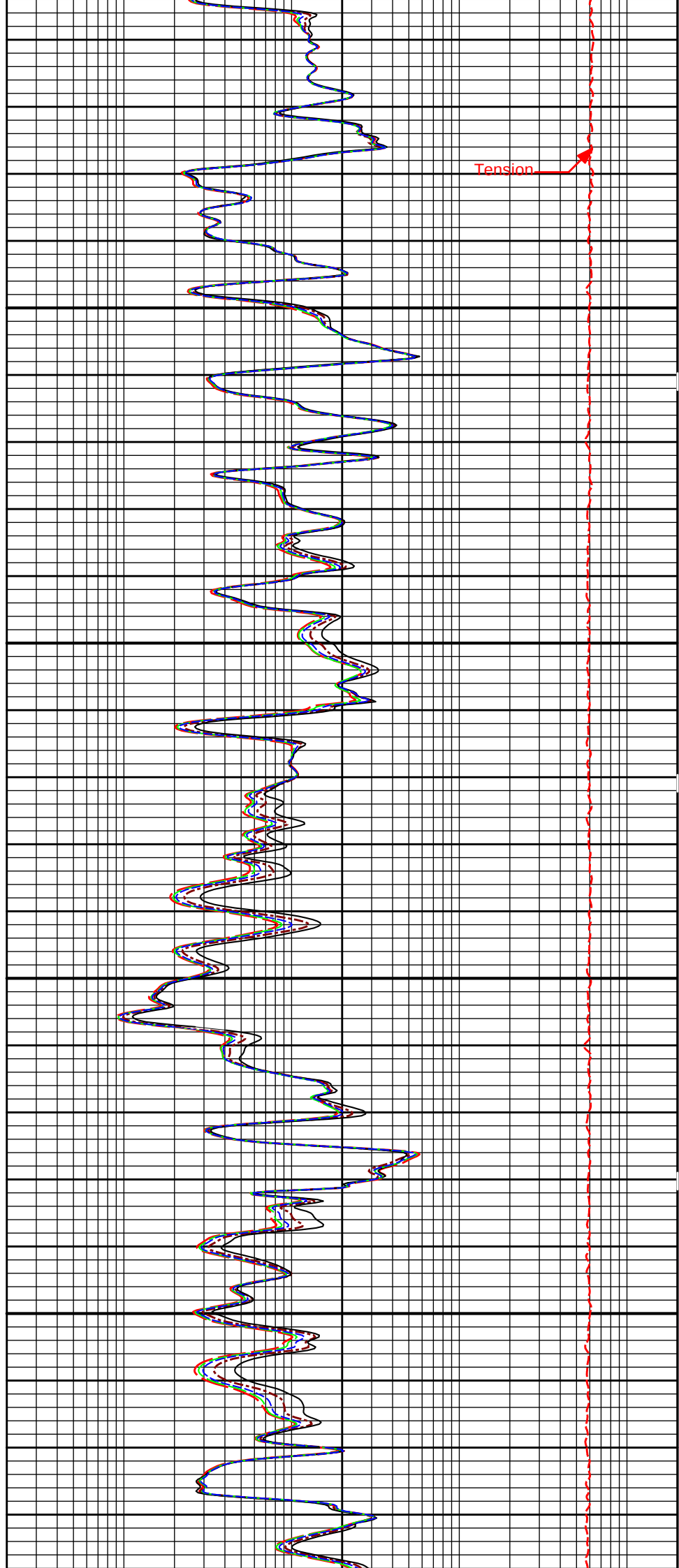
10in Resistivity 2ft Res

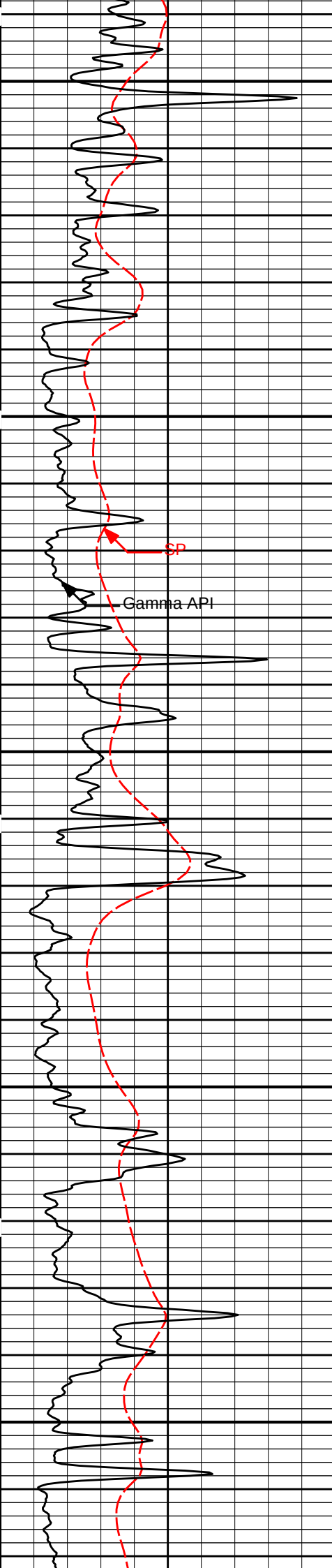
Tension



3500

3600





3700

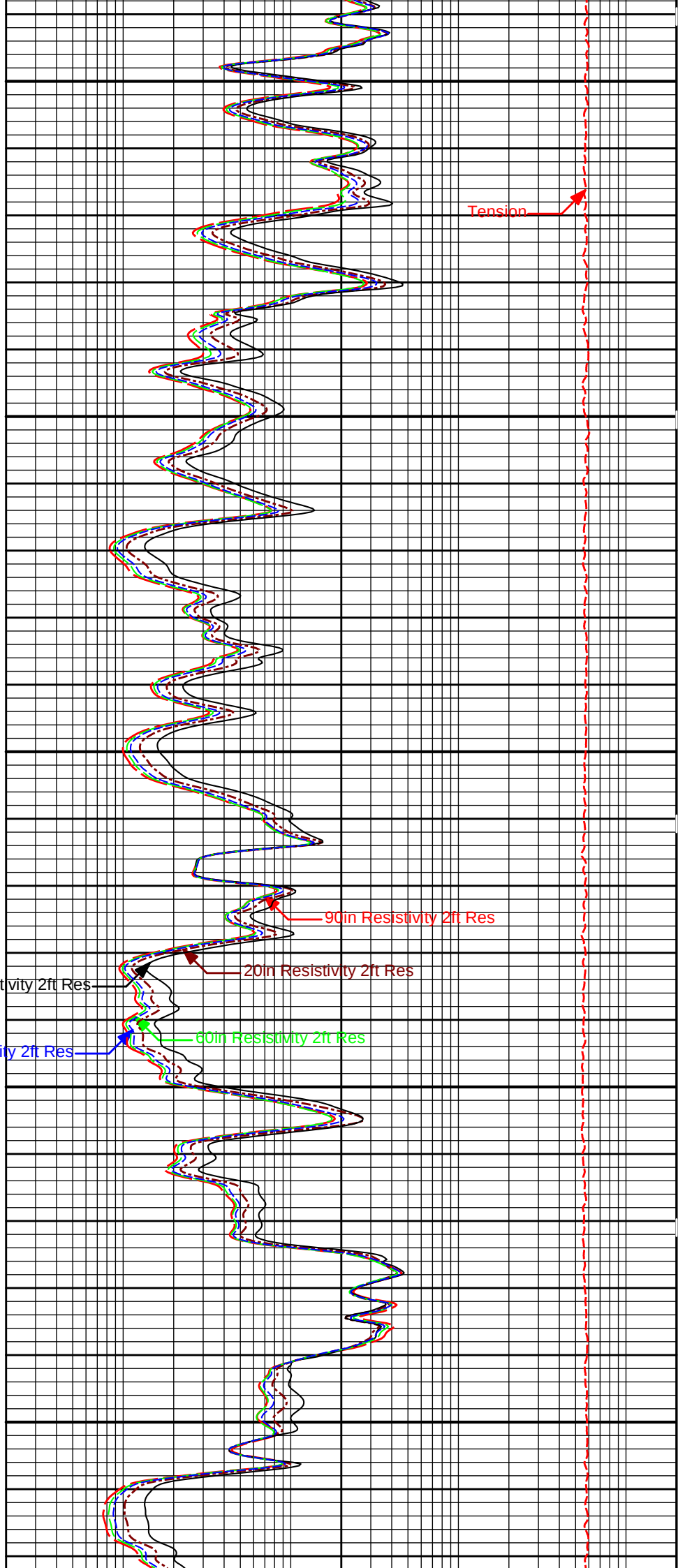
Gamma API

SP

10in Resistivity 2ft Res

30in Resistivity 2ft Res

3800

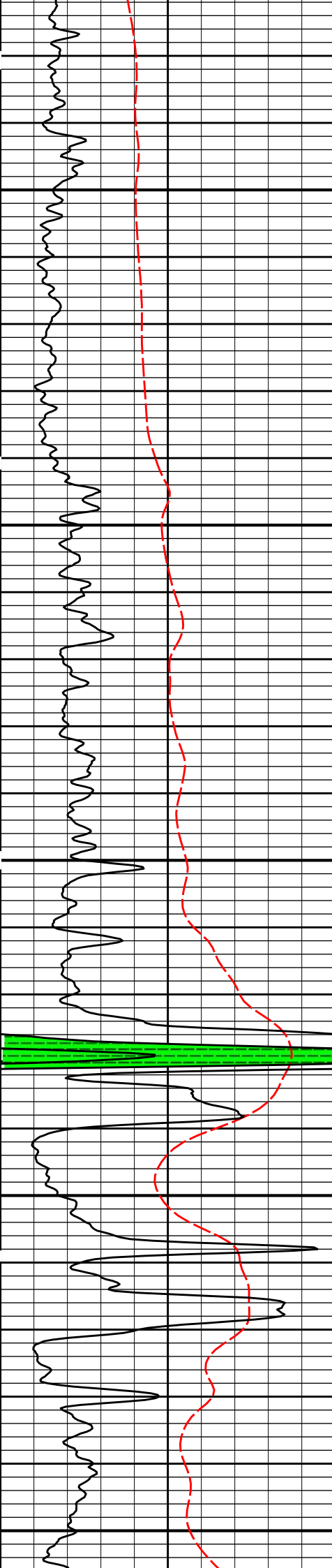


Tension

90in Resistivity 2ft Res

20in Resistivity 2ft Res

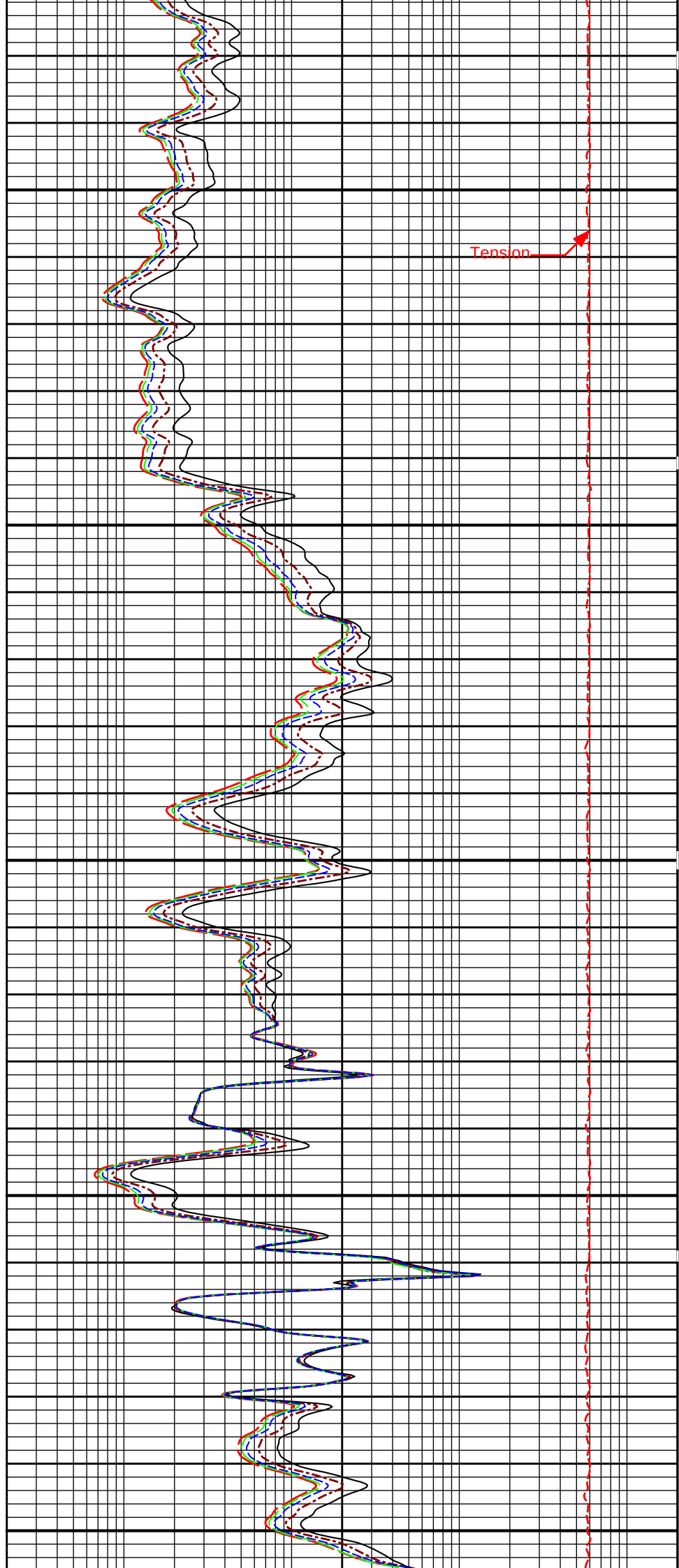
60in Resistivity 2ft Res

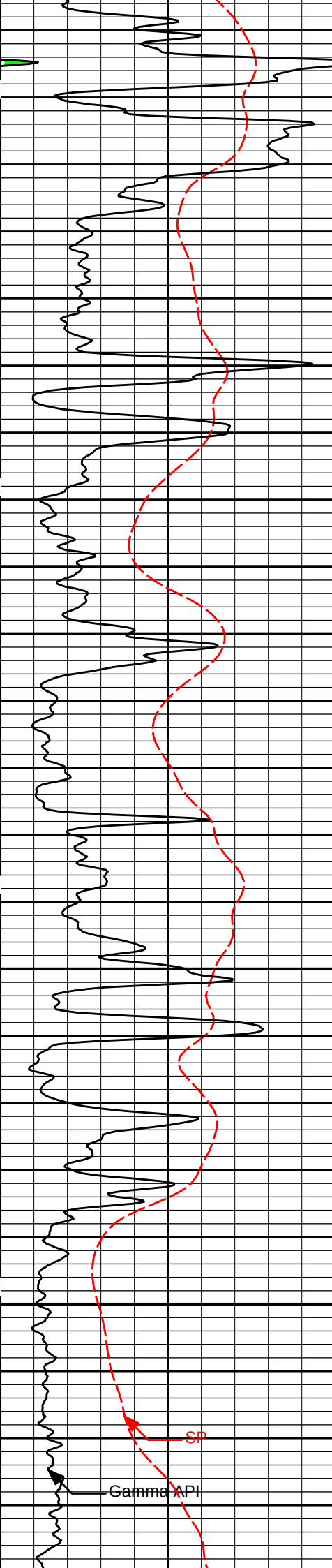


3900

4000

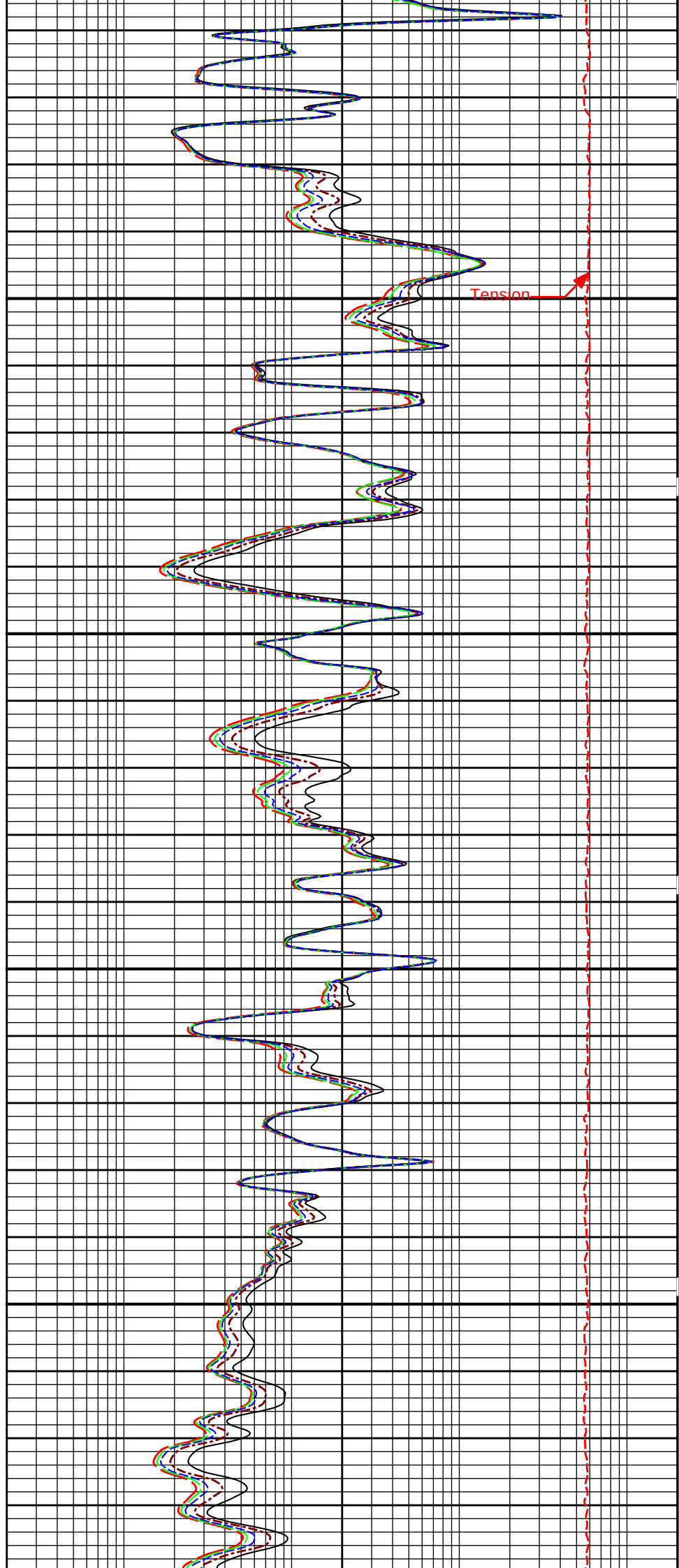
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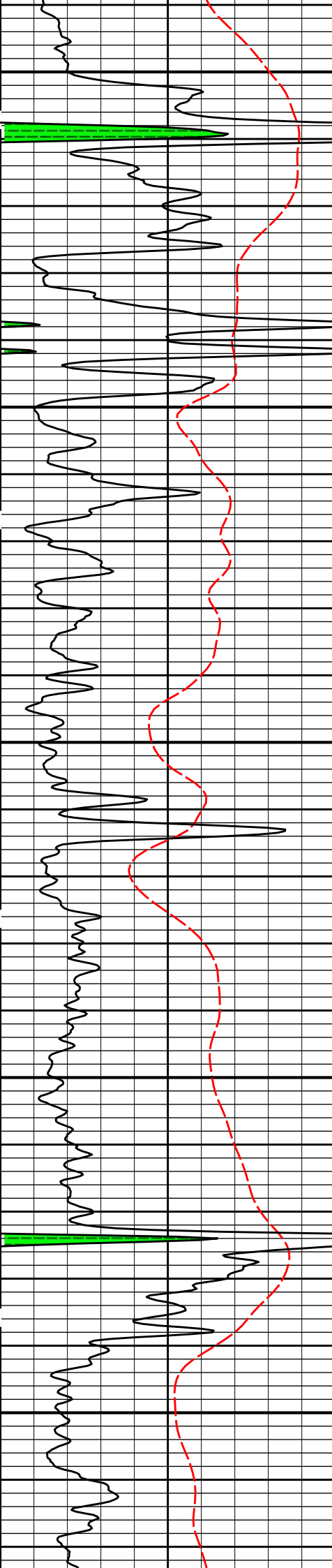




4200

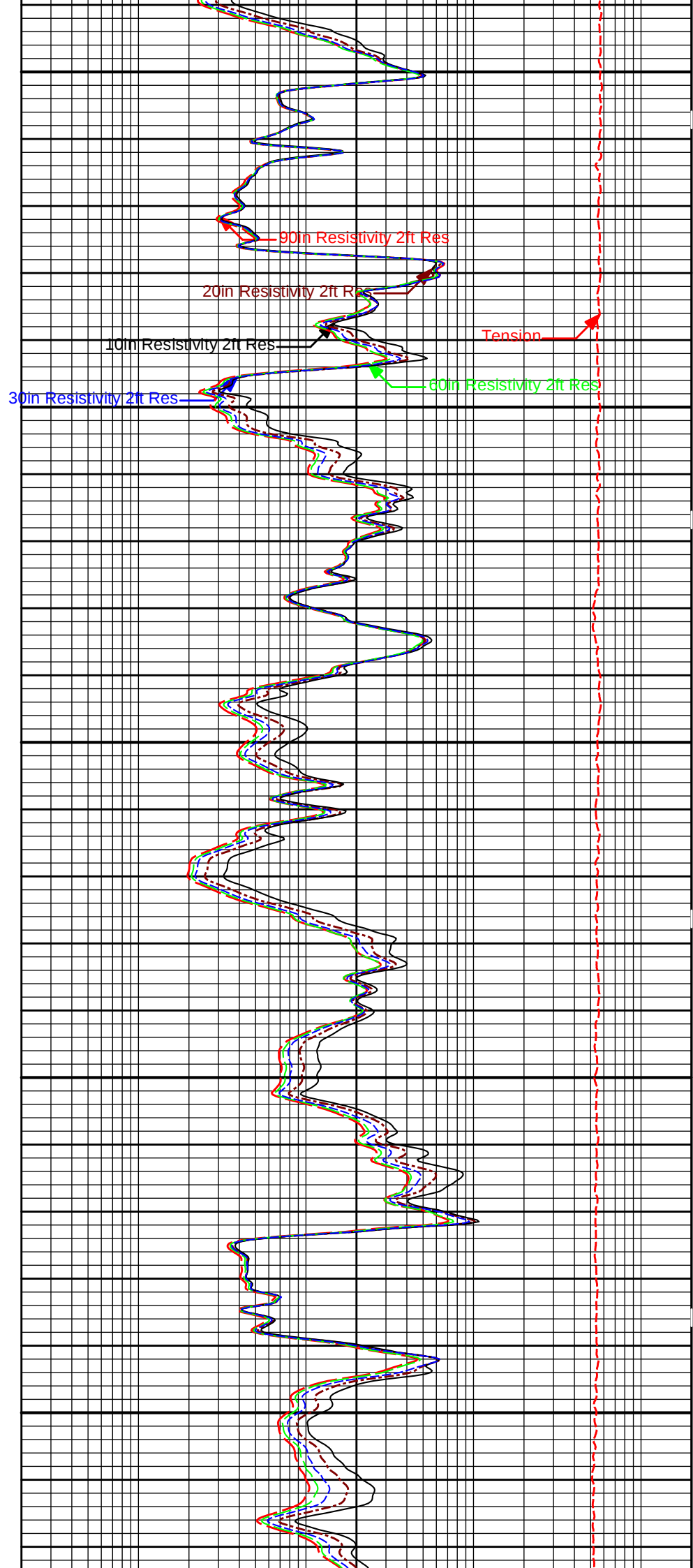
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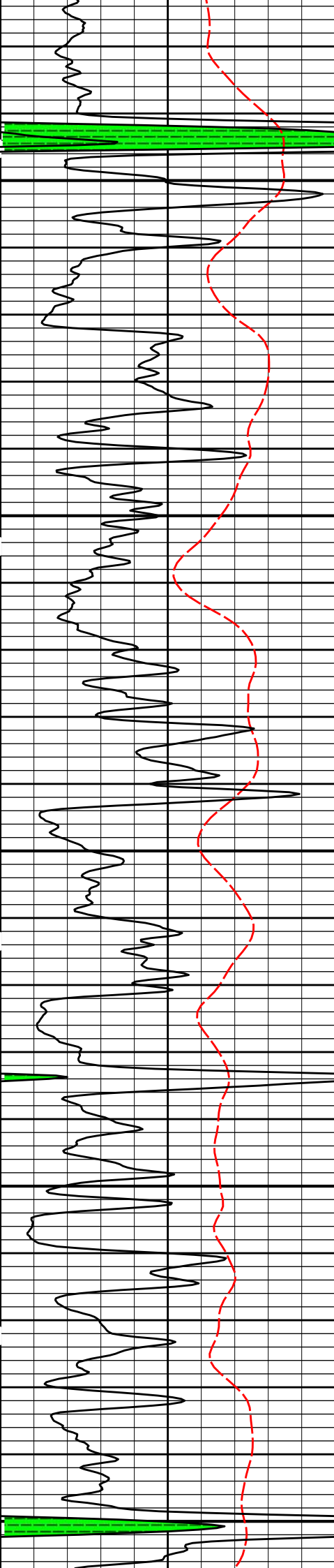




4400

4500

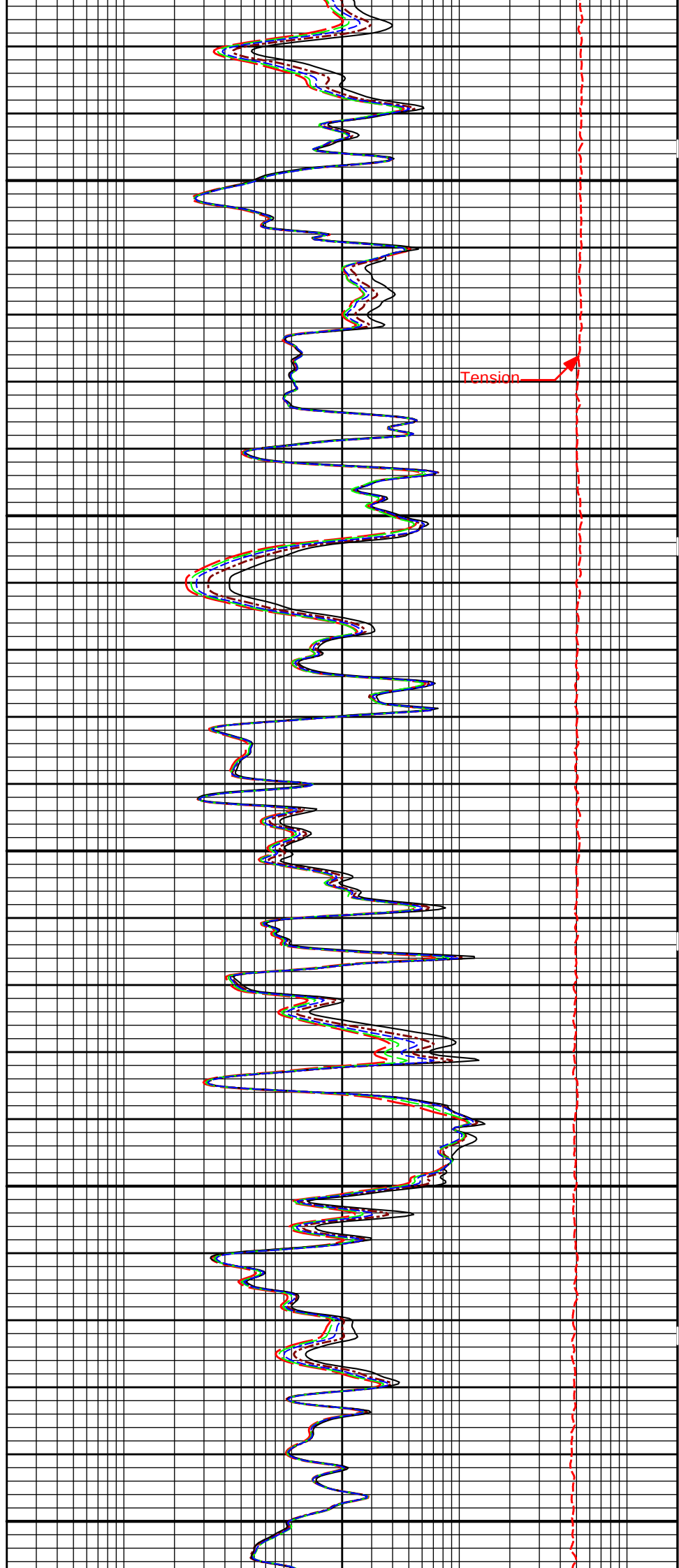


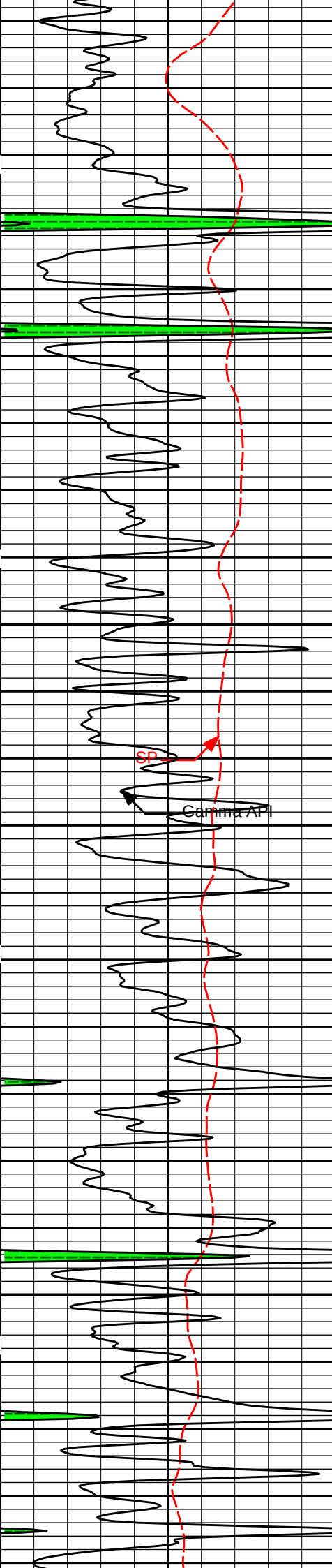


4600

4700

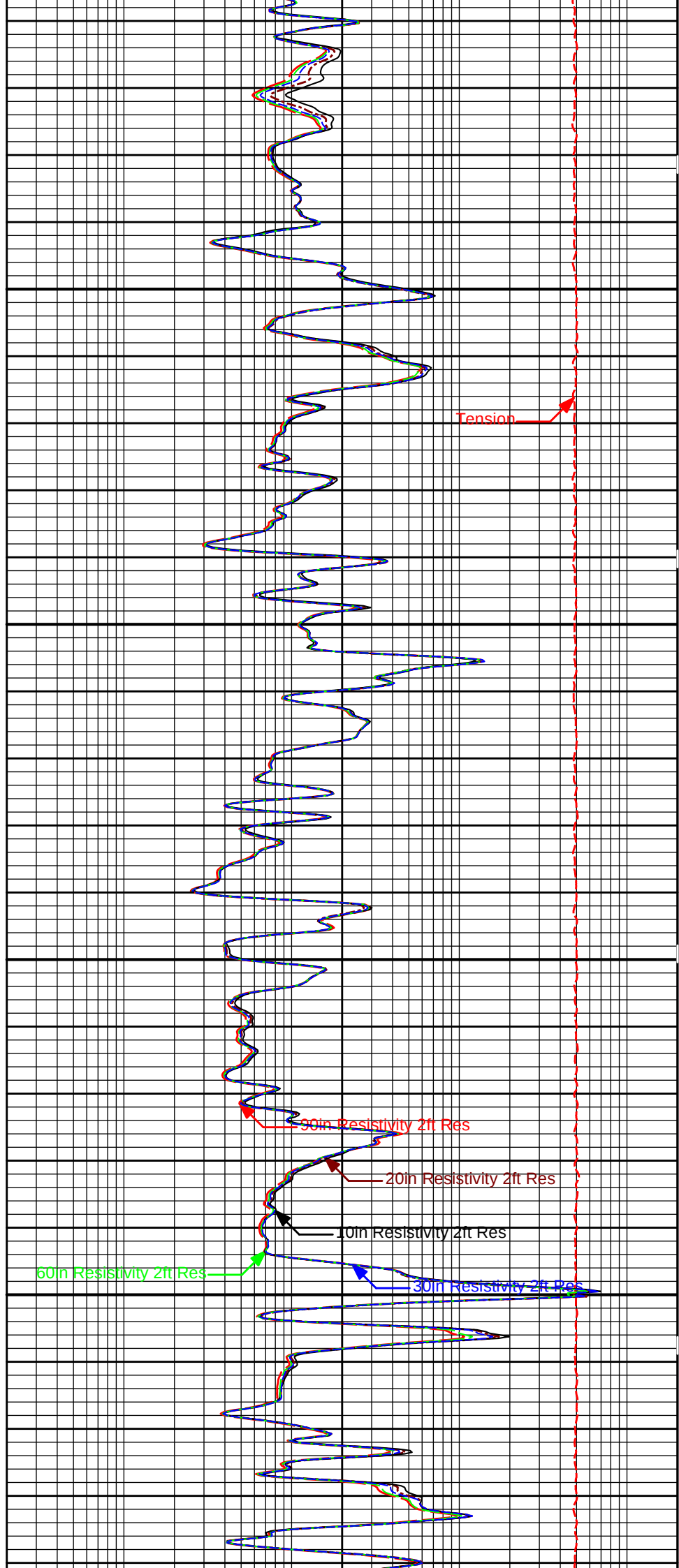
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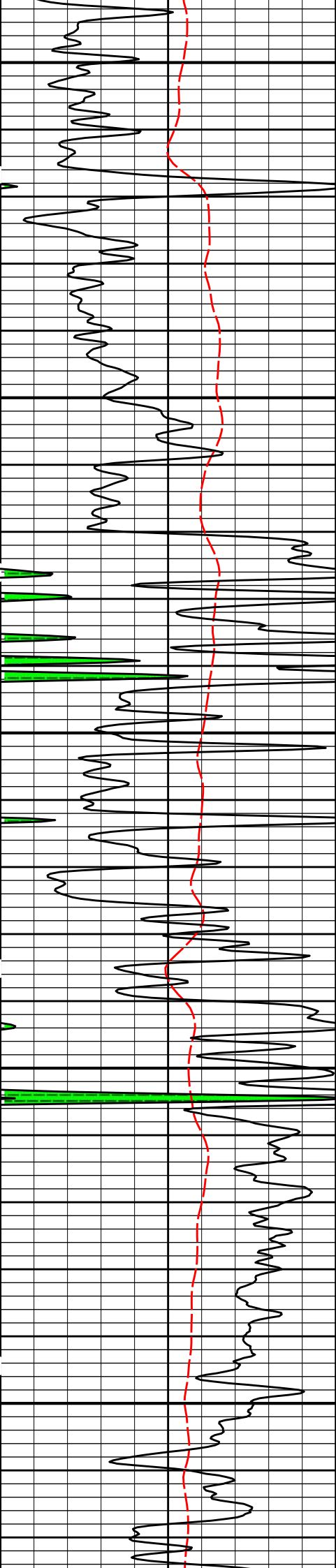




4900

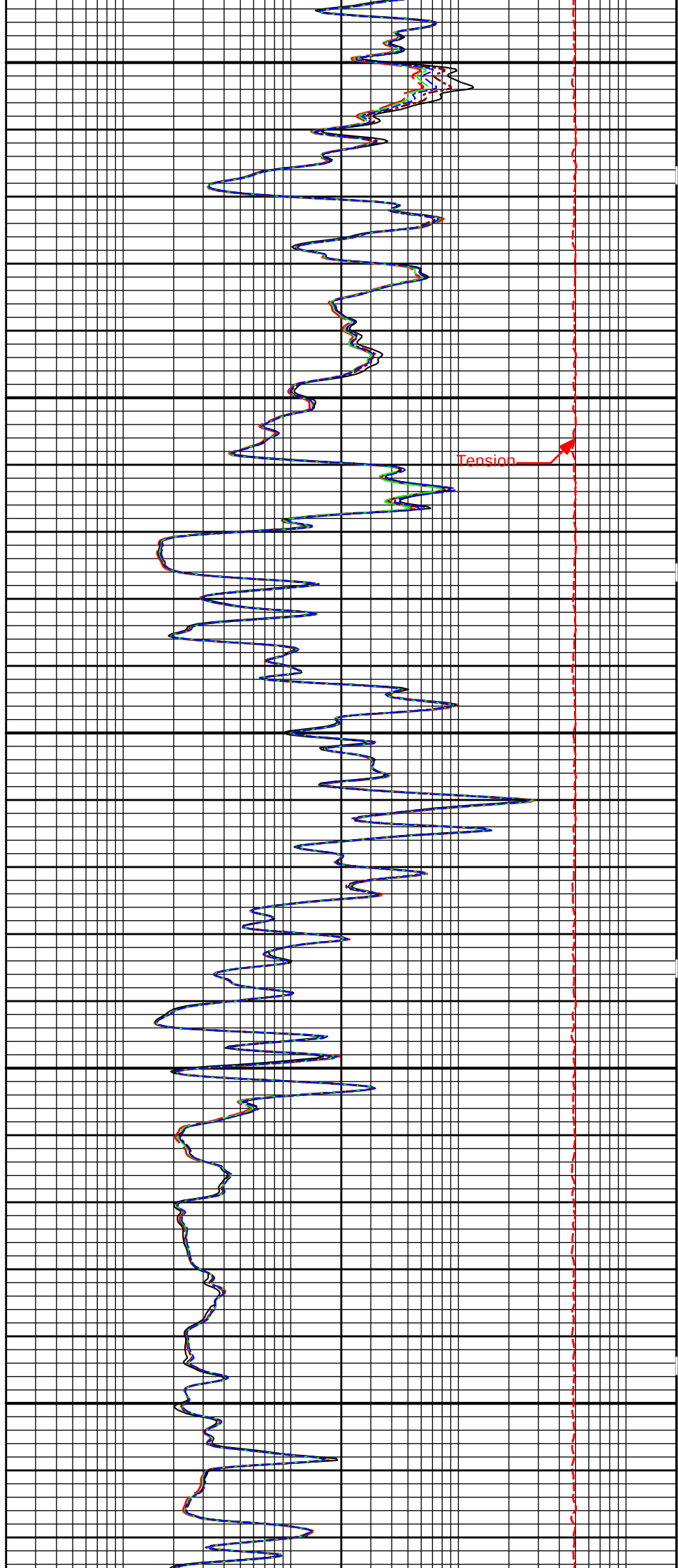
5000





5100

5200

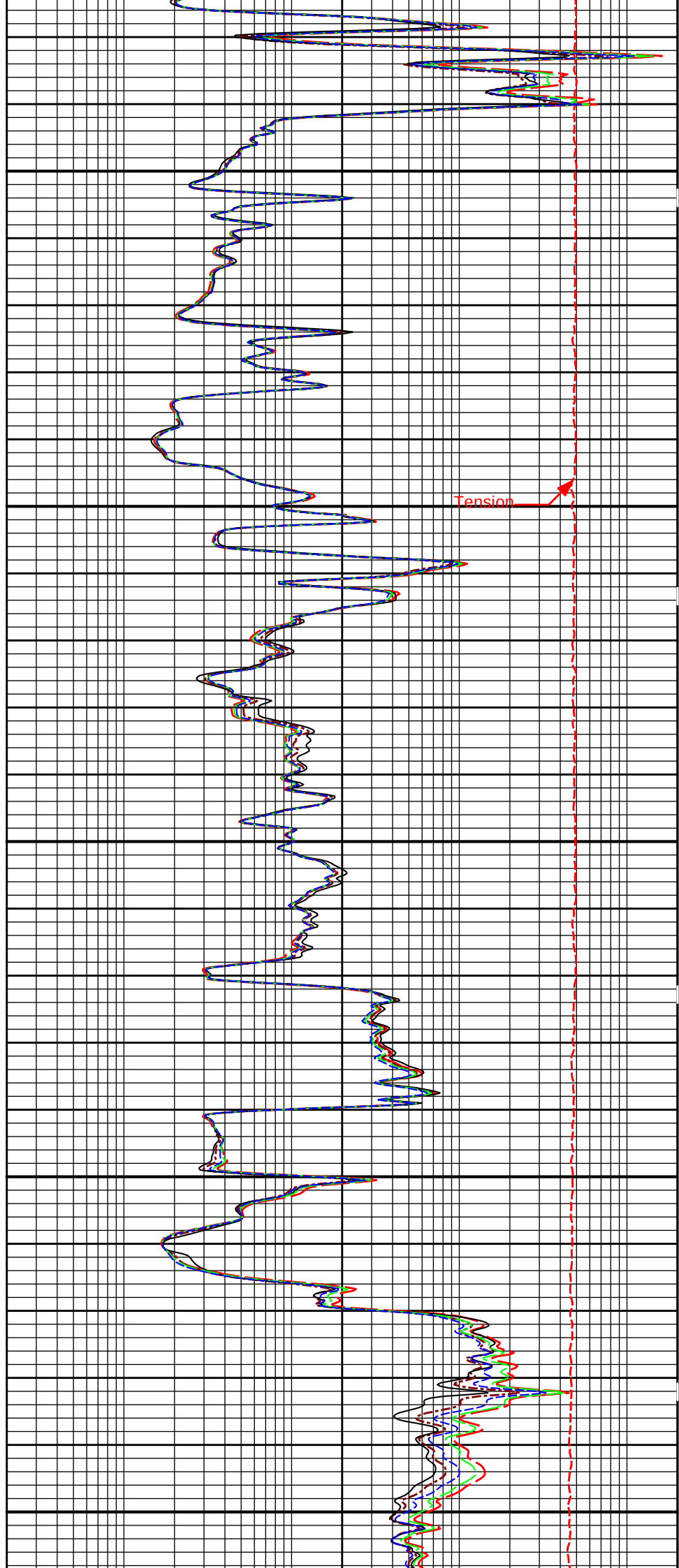


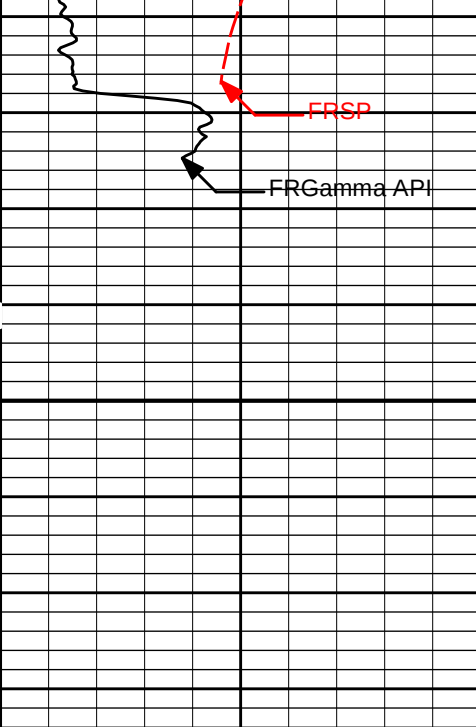


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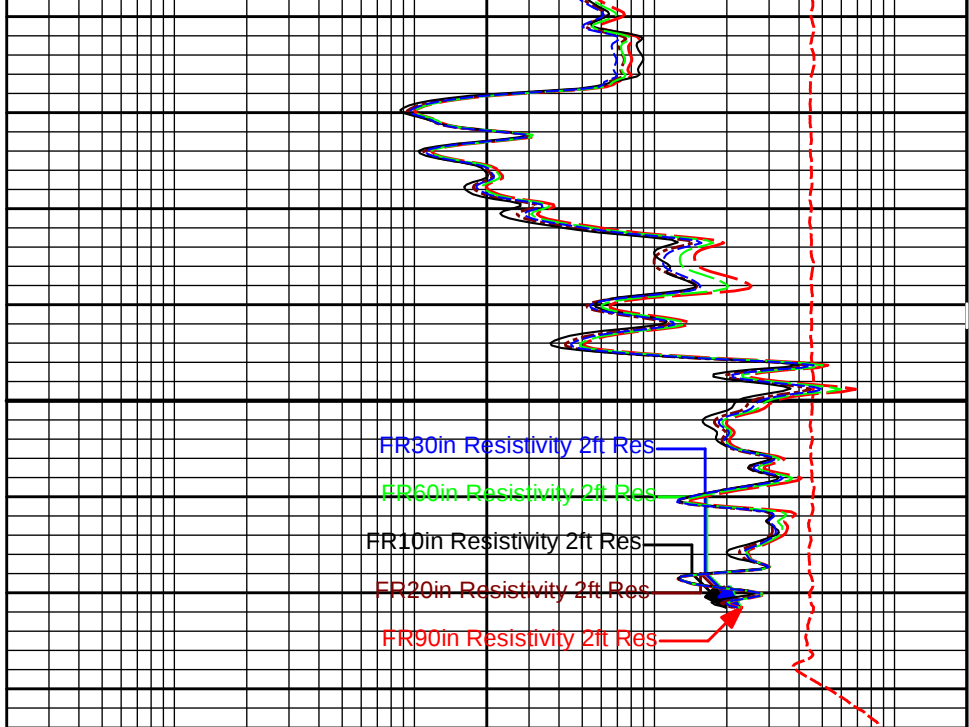
5400

5500





TD



0	SP -]20[+ 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

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Plot Time: 24-Nov-19 18:07:34
Plot Range: 1740 ft to 5584.25 ft
Data: WENU-505\Well Based\MAIN\
Plot File: \\-LOCAL-\\WENU-505\Well Based\ACRT5\ACRT_5_main_lib

5 INCH MAIN LOG

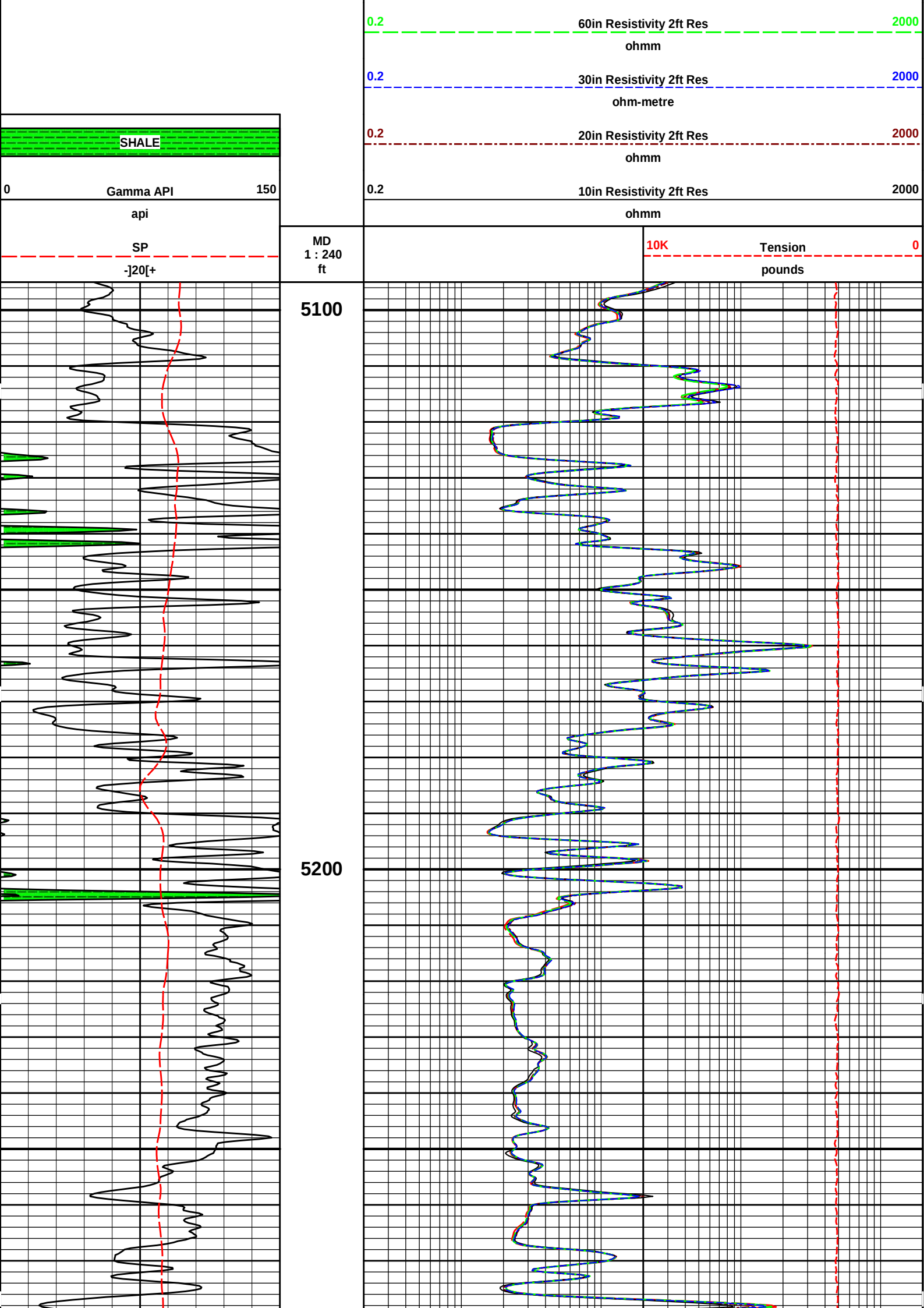
MEASURED DEPTH
MAIN SECTION 5" PER 100'

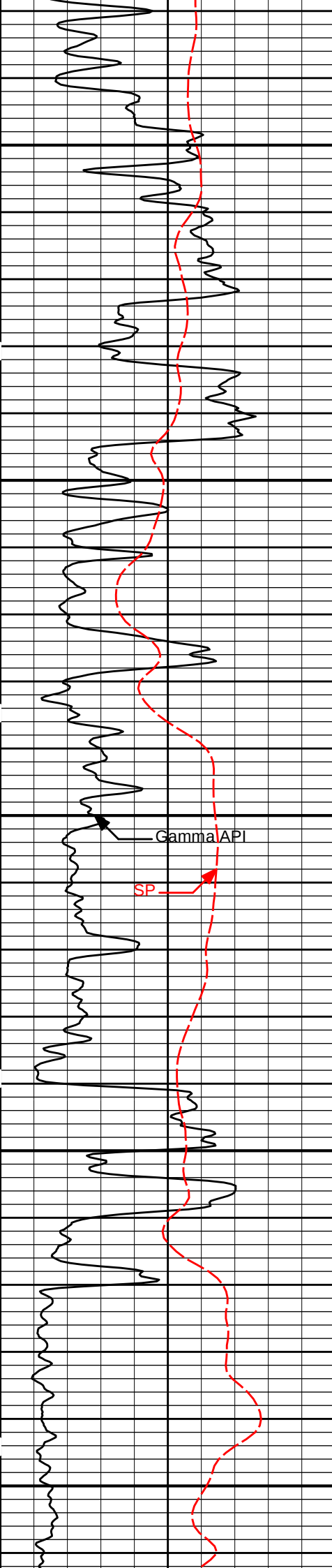
HALLIBURTON

Plot Time: 24-Nov-19 18:07:34
Plot Range: 5095 ft to 5582.92 ft
Data: WENU-505\Well Based\REPEAT\
Plot File: \\-LOCAL-\\WENU-505\Well Based\ACRT5\ACRT_5_repeat_lib

REPEAT SECTION

0.2	90in Resistivity 2ft Res 2000 ohmm
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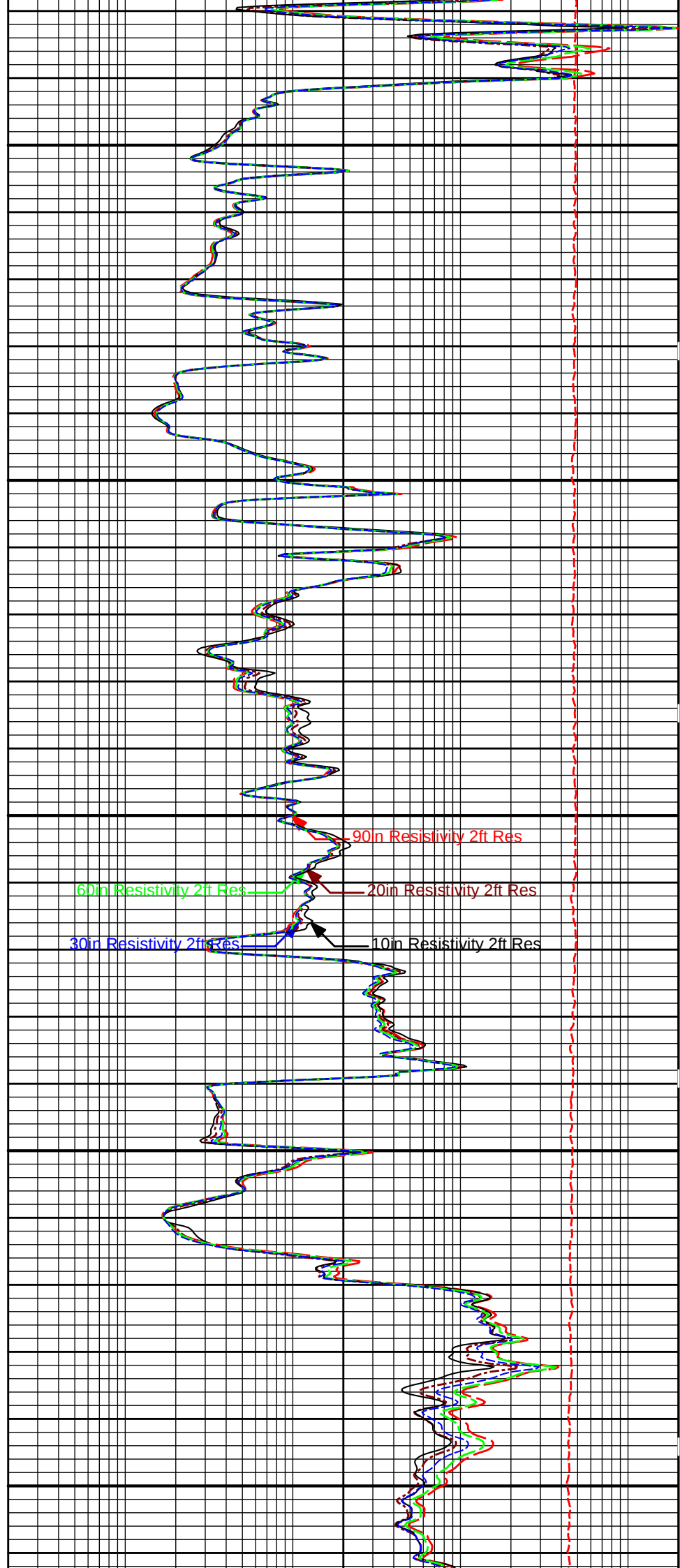


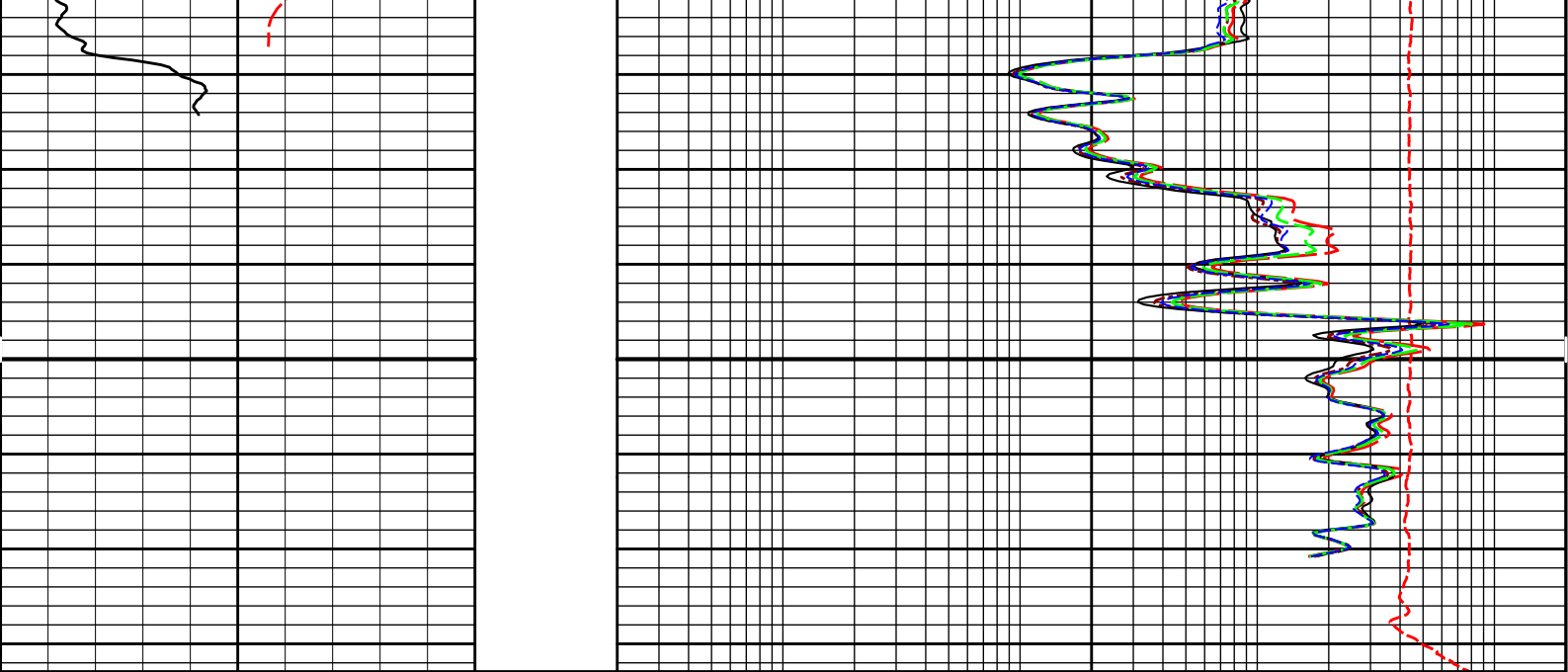


5300

5400

5500





SP		MD 1 : 240 ft	10K Tension 0	
-]20[+			pounds	
0	Gamma API 150		0.2 10in Resistivity 2ft Res 2000	
api			ohmm	
SHALE			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

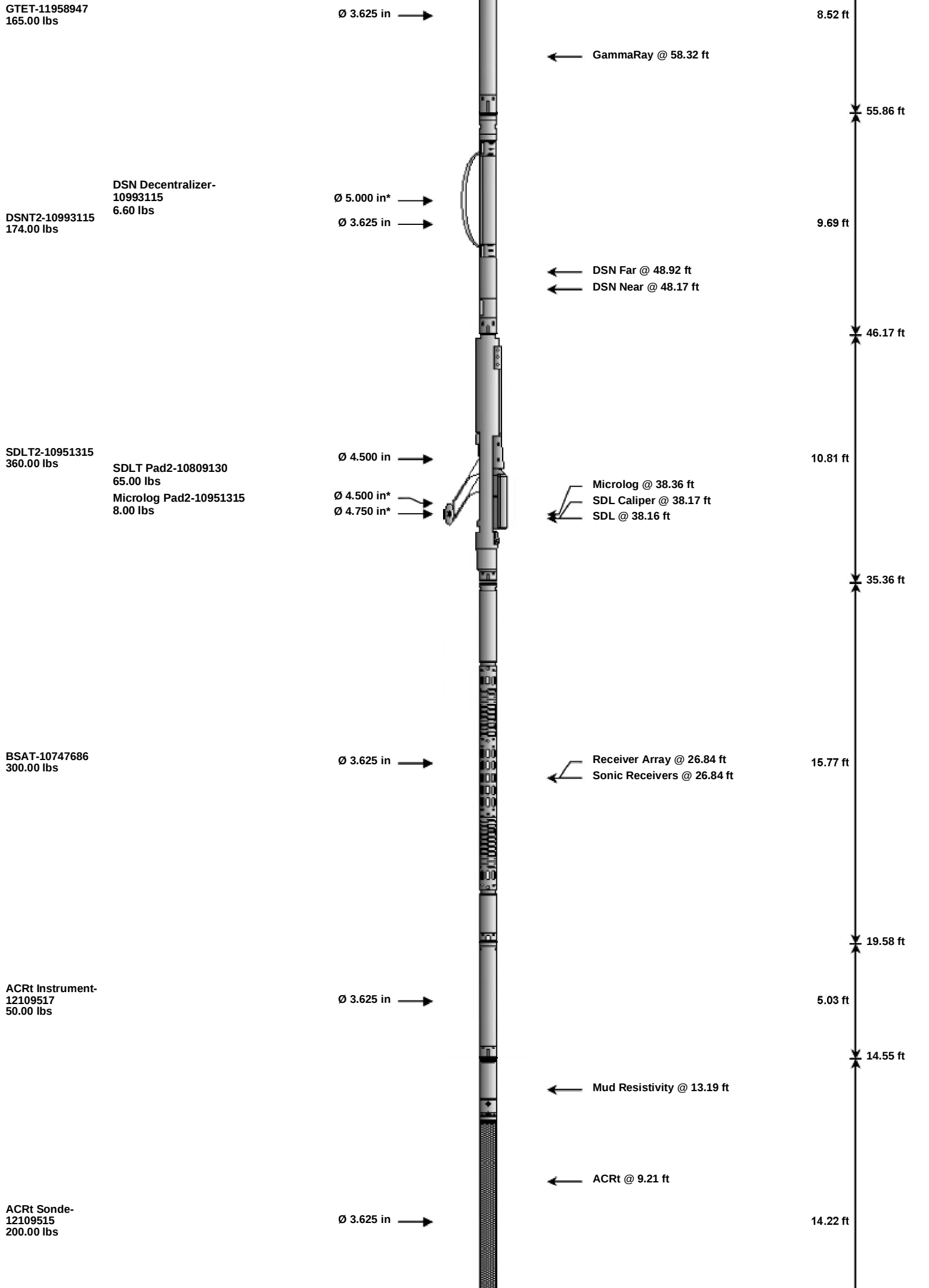
Plot Time: 24-Nov-19 18:07:36
Plot Range: 5095 ft to 5582.92 ft
Data: WENU-505\Well Based\REPEAT\
Plot File: \\-LOCAL-WENU-505\Well Based\ACRT5\ACRT_5_repeat_lib

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
RWCH-12027542 135.00 lbs	Weak Point Solid-12027542 0.01 lbs	Ø 2.310 in		Fishing Neck @ 73.49 ft	74.37 ft	
		Ø 3.625 in		Load Cell @ 70.68 ft BH Temperature @ 70.12 ft	6.25 ft	
		Ø 0.010 in*				68.12 ft
SP Sub-11441455 60.00 lbs		Ø 3.625 in		SP @ 66.34 ft Z-Accelerometer @ 63.93 ft	3.74 ft	64.38 ft



Bull Nose-11111111
5.00 lbs

Ø 2.750 in →



0.33 ft
0.33 ft
0.00 ft

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	68.12	300.00
WPSS	Weak Point Solid	12027542	0.01	0.01	* 68.12	300.00
SP	SP Sub	11441455	60.00	3.74	64.38	300.00
GTET	Gamma Telemetry Tool	11958947	165.00	8.52	55.86	60.00
DSNT	Dual Spaced Neutron	10993115	174.00	9.69	46.17	60.00
DCNT	DSN Decentralizer	10993115	6.60	5.13	* 49.50	300.00
SDLT	Spectral Density Tool	10951315	360.00	10.81	35.36	60.00
SDLP	Density Insite Pad	10809130	65.00	2.55	* 37.57	60.00
MICP	Microlog Pad	10951315	8.00	1.00	* 37.86	60.00
BSAT	Borehole Sonic Array Tool	10747686	300.00	15.77	19.58	60.00
ACRt	Array Compensated True Resistivity Instrument Section	12109517	50.00	5.03	14.55	120.00
ACRt	Array Compensated True Resistivity Sonde Section	12109515	200.00	14.22	0.33	120.00
BLNS	Bull Nose	11111111	5.00	0.33	0.00	300.00
Total			1,528.61	74.37		
* Not included in Total Length and Length Accumulation.						
Data: WENU-505\0001 RWCH-GTET-DSNT2-SDLT2-BSAT-ACRT_PASSENGERS\IDLE					Date: 24-Nov-19 15:29:48	

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	1.128	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	5580.00	ft
	SHARED	BHT	Bottom Hole Temperature	128.0	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	Automatic	
	Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
	Rwa /	MEAC	Archie M factor	2.1500	

CrossPlot	MFAC	Archie M factor	2.1500	
Rwa / CrossPlot	RMFR	Rmf Reference	1.02	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	SDLT2	
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	SDLT2	
DSNT2	DNOK	Process DSN?	Yes	
DSNT2	DEOK	Process DSN EVR?	No	
DSNT2	NLIT	Neutron Lithology	Limestone	
DSNT2	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT2	DNTT	Temperature Correction Type	None	
DSNT2	DPRS	DSN Pressure Correction Type	None	
DSNT2	SHCO	View More Correction Options	No	
DSNT2	UTVD	Use TVD for Gradient Corrections?	No	
DSNT2	LHWT	Logging Horizontal Water Tank?	No	
DSNT2	UCLA	Classic Neutron Parameter utilized?	No	
DSNT2	BHSM	Borehole Size Source Tool	SDLT2	
SDLT2	CLOK	Process Caliper Outputs?	Yes	
Microlog Pad2	MLOK	Process MicroLog Outputs?	Yes	
SDLT Pad2	DNOK	Process Density?	Yes	
SDLT Pad2	DNOK	Process Density EVR?	No	
SDLT Pad2	CB	Logging Calibration Blocks?	No	
SDLT Pad2	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad2	DTWN	Disable temperature warning	No	
SDLT Pad2	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad2	DFL	Formation Density Fluid	1.000	g/cc
SDLT Pad2	BHSM	Borehole Size Source Tool	SDLT2	
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 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	SDLT2	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	
BOTTOM				
Data: WENU-505\0001 RWCH-GTET-DSNT2-SDLT2-BSAT-ACRT_PASSENGERS\003 24-Nov-19 16:38 Up @5583.8f			Date: 24-Nov-19 16:44:49	

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 11958947

Reference Calibration Date: 20-Aug-19 09:32:18

Engineer: M. RICHTER

Calibration Date: 24-Oct-19 09:31:28

Software Version: WL INSITE R6.2.7 (Build 7)

Calibration Version: 1

Calibrator Source S/N: TB-146
Calibrator API Reference:225.00 api
Equivalent Calibrator API Reference:228.9 api

Measurement	Measured	Calibrated	Units
Background	28.5	29.7	api
Background + Calibrator	247.6	258.7	api
Calibrator	219.1	228.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: GTET - 11958947

Reference Calibration Date: 24-Oct-19 09:31:28

Engineer: JORGE ORLANDO PEREZ

Calibration Date: 18-Nov-19 10:17:26

Software Version: WL INSITE R6.2.7 (Build 7)

Calibration Version: 1

Calibrator Source S/N: TB-146
Calibrator API Reference:225.00 api
Equivalent Calibrator API Reference:228.9 api

Field Verification	Shop	Field	Units
Background	29.7	117.8	api
Background + Calibrator	258.7	345.1	api
Calibrator	228.9	227.3	api

Shop	Field	Difference	Tolerance
228.9	227.3	1.6	+/- 9.00

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name: ACRt Sonde - 12109515

Reference Calibration Date: 05-Nov-19 11:58:32

Engineer: JORGE ORLANDO PEREZ

Calibration Date: 05-Nov-19 12:10:35

Software Version: WL INSITE R6.2.7 (Build 7)

Calibration Version: 1

Host Tool Name: ACRt Instrument - 12109517

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0483	1.05	0.95	1.0281	1.05	0.95	1.0194	1.05
A2 (50")	0.95	1.0432	1.05	0.95	1.0241	1.05	0.95	1.0199	1.05
A3 (29")	0.95	1.0405	1.05	0.95	1.0207	1.05	0.95	1.0139	1.05
A4 (17")	0.95	1.0260	1.05	0.95	1.0049	1.05	0.95	1.0001	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0075	1.05	0.95	1.0013	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9915	1.05	0.95	0.9857	1.05

SONDE OFFSET

Subarray	R12KHz			R36KHz			R72KHz		
	(mmho/m)			(mmho/m)			(mmho/m)		
A1 (80")	0.925			-4.442			-5.976		
A2 (50")	-0.294			-3.989			-5.130		
A3 (29")	-13.002			-4.506			-3.595		
A4 (17")	-109.639			-33.745			-25.586		
A5 (10")	N/A			-92.837			-41.440		

A6 (6")		N/A		302.926		156.861	
TRANSMITTER CURRENT GAIN				R-MUD VERIFICATION			
Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.88	1.3	Mud Cell	0.95	1.00	1.05
36K	1.0	1.89	2.0				
72K	1.0	1.12	2.0				
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	228.9	227.3	-----	1.6	+/- 9.00	api	
ACRt Sonde-12109515							
Mud Cell	1.00	-----	-----	0	-----	ohm-m	
Data: WENU-505\0001 RWCH-GTET-DSNT2-SDLT2-BSAT-ACRT_PASSENGERS\IDLE						Date: 24-Nov-19 15:32:33	

						
INPUTS, DELAYS AND FILTERS TABLE						
Mnemonic	Input Description	Delay (ft)	Depth Filter Type	Depth Filter Length (ft)	Time Filter Type	Time Filter Length (sec)
Depth Panel						
TENS	Tension	0.00	NO		NO	
Rwa / CrossPlot						
TPUL	Tension Pull	74.37	NO		NO	
BS	Bit Size	74.37	NO		NO	
HDIA	Measured Hole Diameter	0.00	NO		NO	
RWCH						
DHTN	DownholeTension	0.00	BLK	0.000	NO	
SP Sub						
PLTC	Plot Control Mask	66.34	NO		NO	
SP	Spontaneous Potential	66.34	BLK	1.250	NO	
SPR	Raw Spontaneous Potential	66.34	NO		NO	
SPO	Spontaneous Potential Offset	66.34	NO		NO	
GTET						
TPUL	Tension Pull	58.32	NO		NO	
GR	Natural Gamma Ray API	58.32	TRI	1.750	NO	
GRU	Unfiltered Natural Gamma Ray API	58.32	NO		NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	58.32	W	1.416 , 0.750	NO	
HDIA	Measured Hole Diameter	0.00	NO		NO	
ACCZ	Accelerometer Z	0.00	BLK	0.083	NO	
DEVI	Inclination	0.00	NO		NO	
DSNT2						
TPUL	Tension Pull	48.07	NO		NO	
RNDS	Near Detector Telemetry Counts	48.17	BLK	1.417	NO	

RFDS	Near Detector Telemetry Counts	48.92	NO	0.583	NO
DNTT	DSN Tool Temperature	48.17	NO		NO
DSNS	DSN Tool Status	48.07	NO		NO
ERND	Near Detector Telemetry Counts EVR	48.17	BLK	0.000	NO
ERFD	Far Detector Telemetry Counts EVR	48.92	BLK	0.000	NO
ENTM	DSN Tool Temperature EVR	48.17	NO		NO
HDIA	Measured Hole Diameter	0.00	NO		NO
SDLT2					
TPUL	Tension Pull	38.17	NO		NO
PCAL	Pad Caliper	38.17	TRI	0.250	NO
ACAL	Arm Caliper	38.17	TRI	0.250	NO
BSAT					
TPUL	Tension Pull	26.84	NO		NO
STAT	Status	26.84	NO		NO
DLYT	Delay Time	26.84	NO		NO
SI	Sample Interval	26.84	NO		NO
TXRX	Raw Telemetry 10 Receivers	26.84	NO		NO
FRMC	Tool Frame Count	26.84	NO		NO
GMOD	Gain processing mode	19.58	NO		NO
ACRt Sonde					
TPUL	Tension Pull	2.73	NO		NO
F1R1	ACRT 12KHz - 80in R value	8.98	BLK	0.000	NO
F1X1	ACRT 12KHz - 80in X value	8.98	BLK	0.000	NO
F1R2	ACRT 12KHz - 50in R value	6.48	BLK	0.000	NO
F1X2	ACRT 12KHz - 50in X value	6.48	BLK	0.000	NO
F1R3	ACRT 12KHz - 29in R value	4.98	BLK	0.000	NO
F1X3	ACRT 12KHz - 29in X value	4.98	BLK	0.000	NO
F1R4	ACRT 12KHz - 17in R value	3.98	BLK	0.000	NO
F1X4	ACRT 12KHz - 17in X value	3.98	BLK	0.000	NO
F1R5	ACRT 12KHz - 10in R value	3.48	BLK	0.000	NO
F1X5	ACRT 12KHz - 10in X value	3.48	BLK	0.000	NO
F1R6	ACRT 12KHz - 6in R value	3.23	BLK	0.000	NO
F1X6	ACRT 12KHz - 6in X value	3.23	BLK	0.000	NO
F2R1	ACRT 36KHz - 80in R value	8.98	BLK	0.000	NO
F2X1	ACRT 36KHz - 80in X value	8.98	BLK	0.000	NO
F2R2	ACRT 36KHz - 50in R value	6.48	BLK	0.000	NO
F2X2	ACRT 36KHz - 50in X value	6.48	BLK	0.000	NO
F2R3	ACRT 36KHz - 29in R value	4.98	BLK	0.000	NO
F2X3	ACRT 36KHz - 29in X value	4.98	BLK	0.000	NO
F2R4	ACRT 36KHz - 17in R value	3.98	BLK	0.000	NO
F2X4	ACRT 36KHz - 17in X value	3.98	BLK	0.000	NO
F2R5	ACRT 36KHz - 10in R value	3.48	BLK	0.000	NO
F2X5	ACRT 36KHz - 10in X value	3.48	BLK	0.000	NO
F2R6	ACRT 36KHz - 6in R value	3.23	BLK	0.000	NO
F2X6	ACRT 36KHz - 6in X value	3.23	BLK	0.000	NO
F3R1	ACRT 72KHz - 80in R value	8.98	BLK	0.000	NO
F3X1	ACRT 72KHz - 80in X value	8.98	BLK	0.000	NO
F3R2	ACRT 72KHz - 50in R value	6.48	BLK	0.000	NO
F3X2	ACRT 72KHz - 50in X value	6.48	BLK	0.000	NO
F3R3	ACRT 72KHz - 29in R value	4.98	BLK	0.000	NO
F3X3	ACRT 72KHz - 29in X value	4.98	BLK	0.000	NO
F3R4	ACRT 72KHz - 17in R value	3.98	BLK	0.000	NO
F3X4	ACRT 72KHz - 17in X value	3.98	BLK	0.000	NO
F3R5	ACRT 72KHz - 10in R value	3.48	BLK	0.000	NO
F3X5	ACRT 72KHz - 10in X value	3.48	BLK	0.000	NO
F3R6	ACRT 72KHz - 6in R value	3.23	BLK	0.000	NO

F3X6	ACRT 72KHz - 6in X value	3.23	BLK	0.000	NO
RMUD	Mud Resistivity	12.52	BLK	0.000	NO
F1RT	Transmitter Reference 12 KHz Real Signal	2.73	BLK	0.000	NO
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.73	BLK	0.000	NO
F2RT	Transmitter Reference 36 KHz Real Signal	2.73	BLK	0.000	NO
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.73	BLK	0.000	NO
F3RT	Transmitter Reference 72 KHz Real Signal	2.73	BLK	0.000	NO
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.73	BLK	0.000	NO
TFPU	Upper Feedpipe Temperature Calculated	2.73	BLK	0.000	NO
TFPL	Lower Feedpipe Temperature Calculated	2.73	BLK	0.000	NO
ITMP	Instrument Temperature	2.73	BLK	0.000	NO
TCVA	Temperature Correction Values Loop Off	2.73	NO		NO
TIDV	Instrument Temperature Derivative	2.73	NO		NO
TUDV	Upper Temperature Derivative	2.73	NO		NO
TLDV	Lower Temperature Derivative	2.73	NO		NO
TRBD	Receiver Board Temperature	2.73	NO		NO
HDIA	Measured Hole Diameter	0.00	NO		NO
Microlog Pad2					
TPUL	Tension Pull	38.36	NO		NO
MINV	Microlog Lateral	38.36	BLK	0.750	NO
MNOR	Microlog Normal	38.36	BLK	0.750	NO
SDLT Pad2					
TPUL	Tension Pull	38.16	NO		NO
NAB	Near Above	37.99	BLK	0.920	NO
NHI	Near Cesium High	37.99	BLK	0.920	NO
NLO	Near Cesium Low	37.99	BLK	0.920	NO
NVA	Near Valley	37.99	BLK	0.920	NO
NBA	Near Barite	37.99	BLK	0.920	NO
NDE	Near Density	37.99	BLK	0.920	NO
NPK	Near Peak	37.99	BLK	0.920	NO
NLI	Near Lithology	37.99	BLK	0.920	NO
NBAU	Near Barite Unfiltered	37.99	BLK	0.250	NO
NLIU	Near Lithology Unfiltered	37.99	BLK	0.250	NO
FAB	Far Above	38.34	BLK	0.250	NO
FHI	Far Cesium High	38.34	BLK	0.250	NO
FLO	Far Cesium Low	38.34	BLK	0.250	NO
FVA	Far Valley	38.34	BLK	0.250	NO
FBA	Far Barite	38.34	BLK	0.250	NO
FDE	Far Density	38.34	BLK	0.250	NO
FPK	Far Peak	38.34	BLK	0.250	NO
FLI	Far Lithology	38.34	BLK	0.250	NO
PTMP	Pad Temperature	38.17	BLK	0.920	NO
NHV	Near Detector High Voltage	37.57	NO		NO
FHV	Far Detector High Voltage	37.57	NO		NO
ITMP	Instrument Temperature	37.57	NO		NO
DDHV	Detector High Voltage	37.57	NO		NO
HDIA	Measured Hole Diameter	0.00	NO		NO
Data: WENU-505\0001 RWCH-GTET-DSNT2-SDLT2-BSAT-ACRT_PASSENGERS\IDLE					Date: 24-Nov-19 15:32:09

COMPANY	MERIT ENERGY COMPANY				
WELL	WENU 505				
FIELD	EUBANK NORTH				
COUNTY	HASKELL	STATE	KANSAS		

HALLIBURTON

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