RELIANCE
OILFIELD SERVICES

Temperature Gamma Ray Casing Collar Log

Company TEP Rocky Mountain LLC
Well Federal RWF 522-8
Field Rulison
County Garfield
State Colorado

Company	TEP Rocky Mountain LLC
Well	Federal RWF 522-8
Field	Rulison
County	Garfield
State	Colorado

Location: API #: 05-045-24321

SEC 8 TWP 6S RGE 94W

Other Services: --

Permanent Datum	Ground Level	Elevation	5979.6'
Log Measured From	Kelly Bushing	24 FT	
Drilling Measured From	Kelly Bushing		

Elevation
K.B. 6003.6'
D.F. 6002.6'
G.L. 5979.6'

Date	20-OCT-2020		
Run Number	One		
Depth Driller	9467 FT		
Depth Logger	9425 FT		
Bottom Logged Interval	9425 FT		
Top Log Interval	Surface		
Open Hole Size	8.750"		
Type Fluid	Fresh Water		
Density / Viscosity	8.34 lb/gal		
Max. Recorded Temp.	244°F		
Estimated Cement Top	2900 FT		
Time Well Ready	ROA		
Time Logger on Bottom	22:15		
Equipment Number	HD-0331		
Location	Grand Junction, CO		
Recorded By	A. Ellsworth		
Witnessed By	S. Bumgarner		

Borehole Record				Tubing Record		
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size (in)	Wgt (lbs/Ft)	Grade	Top	Bottom
Surface Casing	9 5/8	36	J-55	Surface	1040 FT
Intermediate #1	4 1/2	11.6	P-110	Surface	9425 FT
Intermediate #2					
Liner					

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price S

Comments

Log ran as per customer request
Depth referenced to Kelly Bushing at 24 FT
Log ran from Surface to 9425 FT
Log ran with 0 PSI Surface Induced Pressure

Thank you for choosing Reliance Oilfield Services, LLC!!

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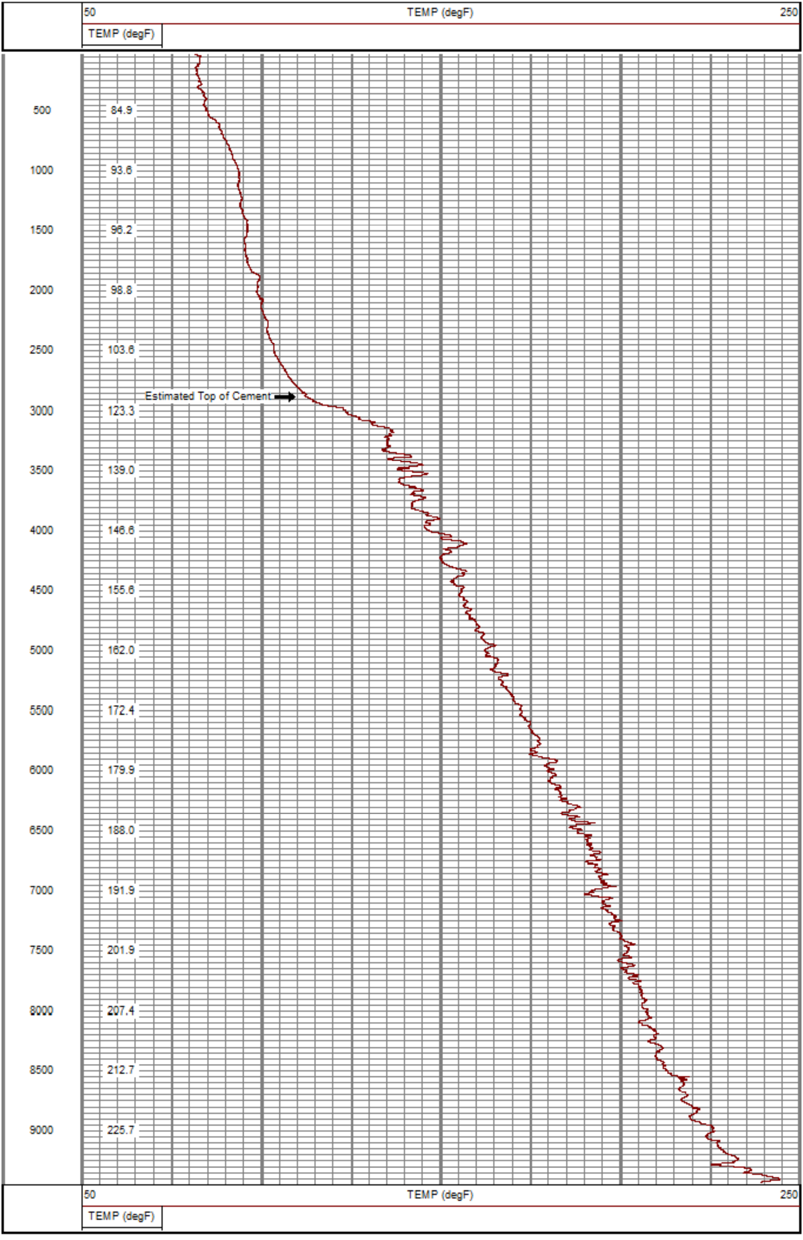
Main Pass (Quick Look)

Recorded With 0 PSI Surface Induced Pressure

Database File tep\tep_federal rwf 522-8_temp_10-20-20\tep_federal rwf 522-8_temp_10-20-20.db
Dataset Pathname main_ql
Presentation Format ros_temp_ql_tep
Dataset Creation Tue Oct 20 22:41:07 2020
Charted by Depth in Feet scaled 1:10000



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Main Pass

Recorded With 0 PSI Surface Induced Pressure

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Dataset Pathname main
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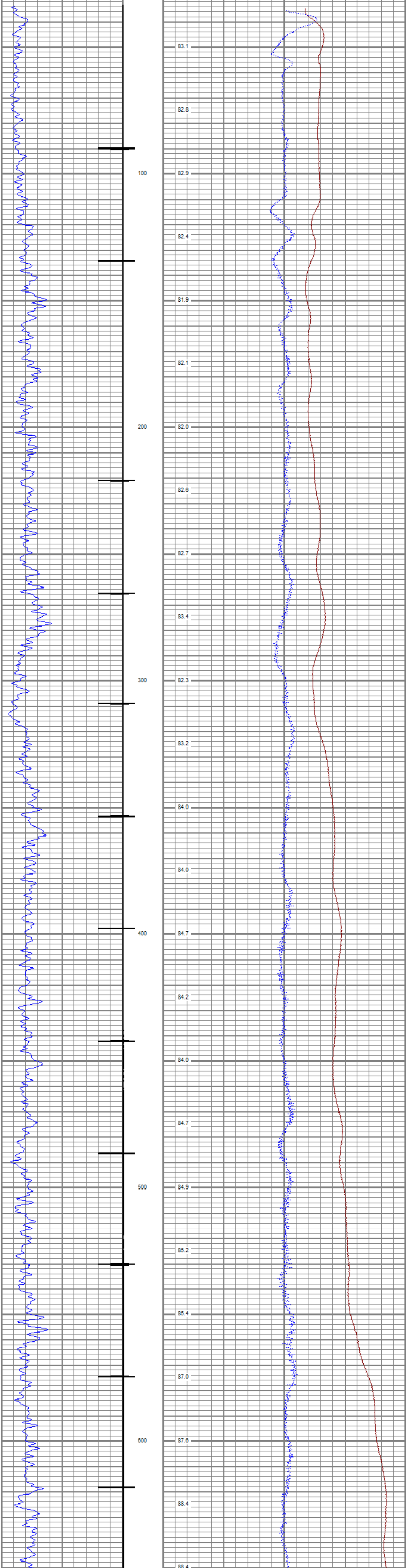
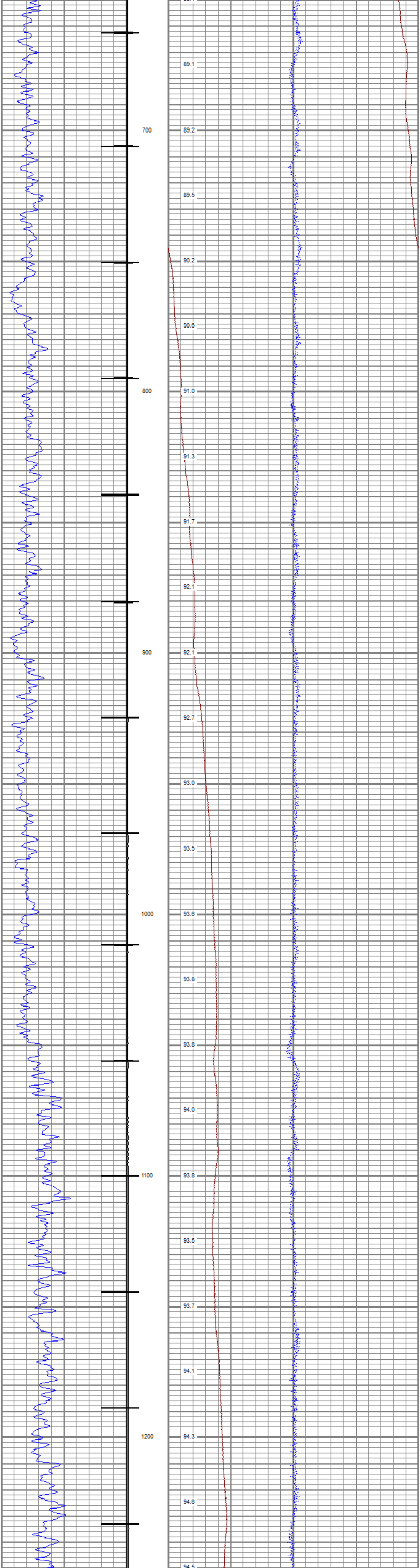
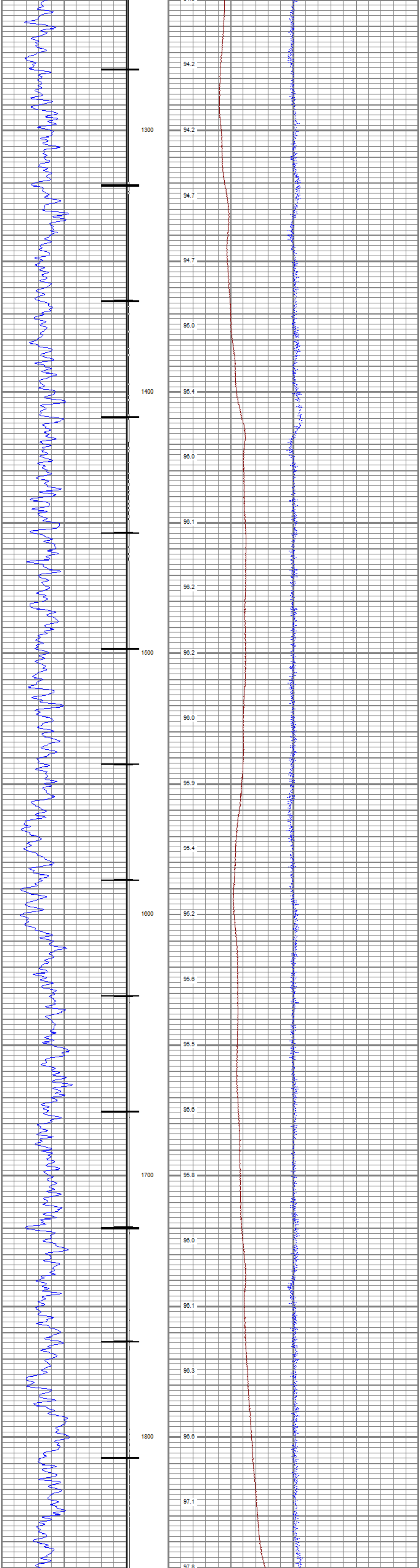
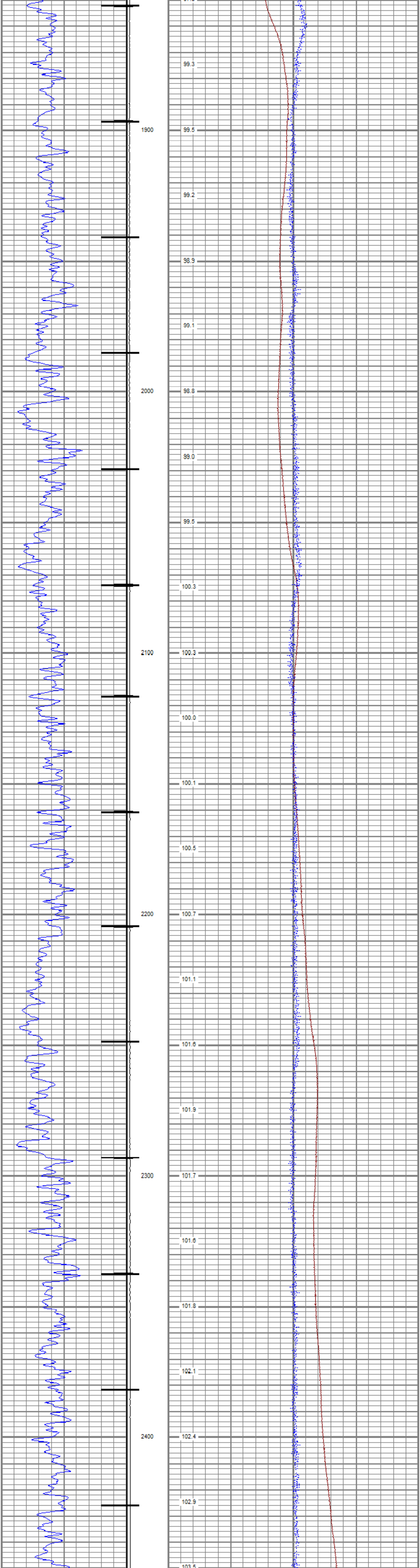
Dataset Creation Tue Oct 20 21:14:21 2020
Charted by Depth in Feet scaled 1:240

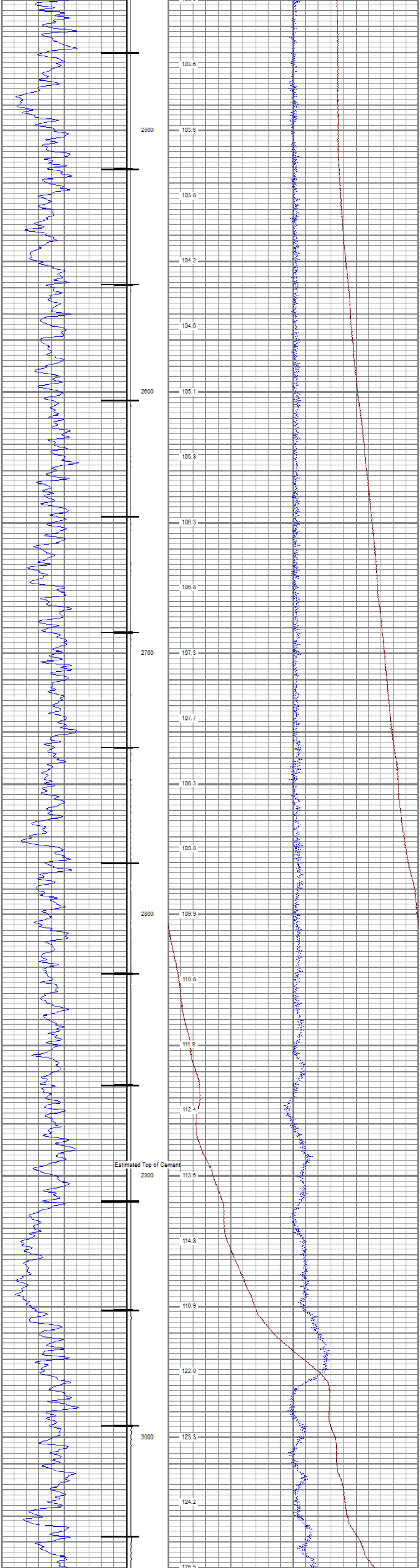
0 Gamma Ray (GAPI) 120	LTEN	50 TEMP (degF) 70
Casing Collar Locator	0 (lb) 2000	-1 DTMP (degF) 1
		TEMP (degF)

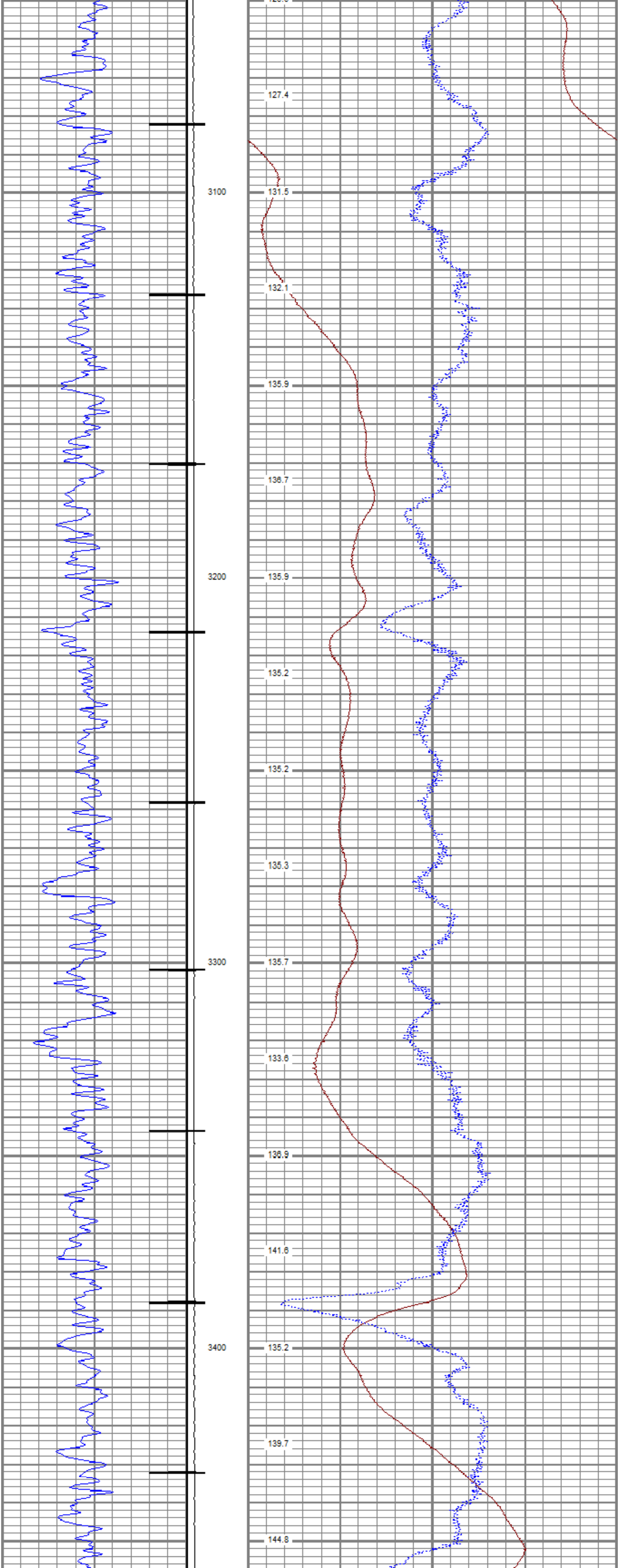


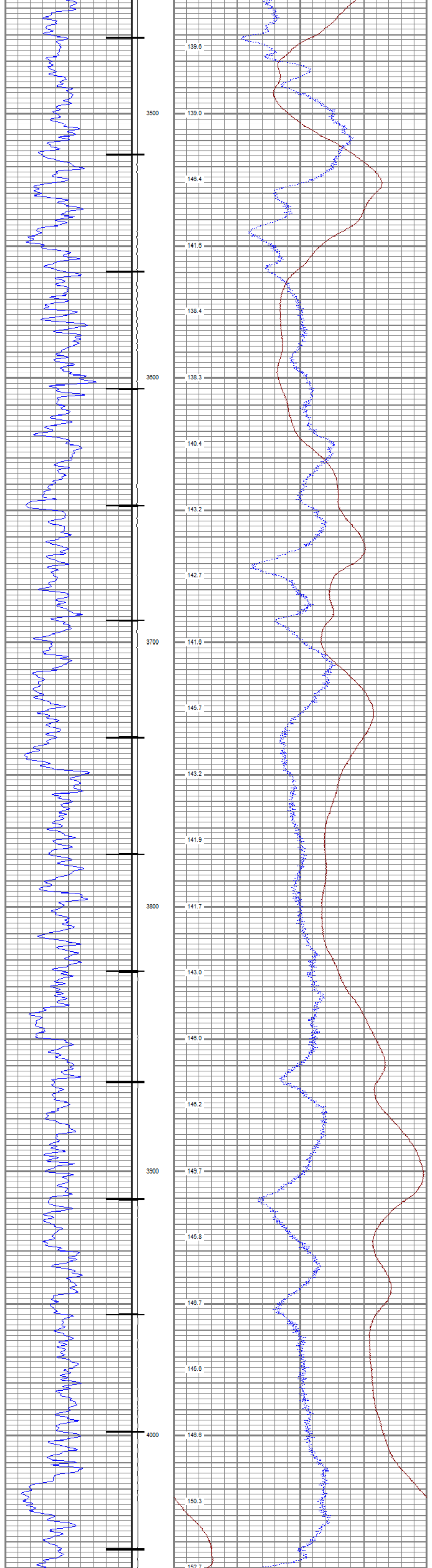








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142.7
141.6
145.7
143.2
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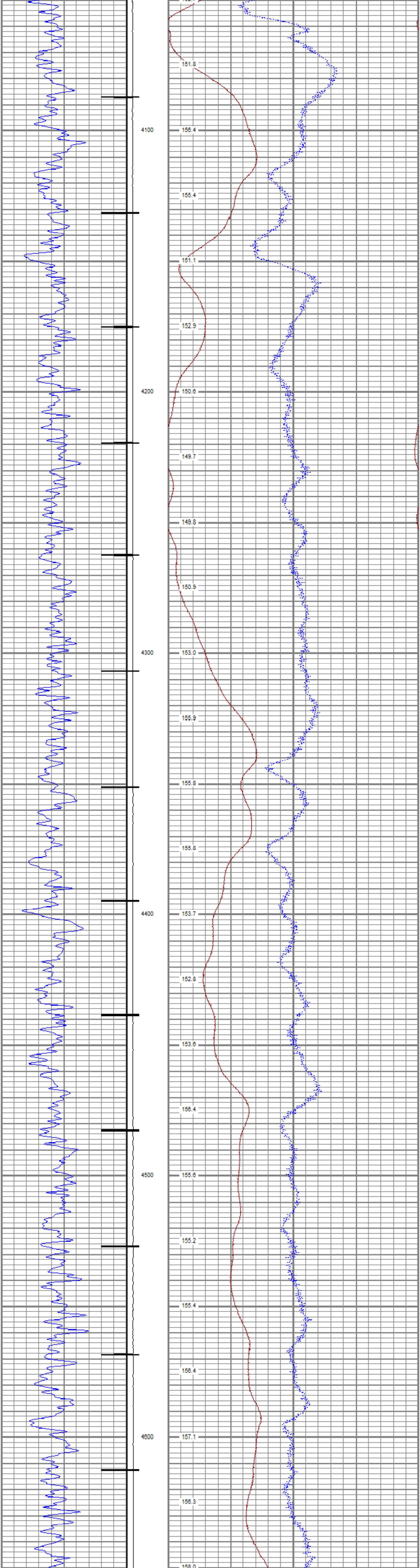
152.7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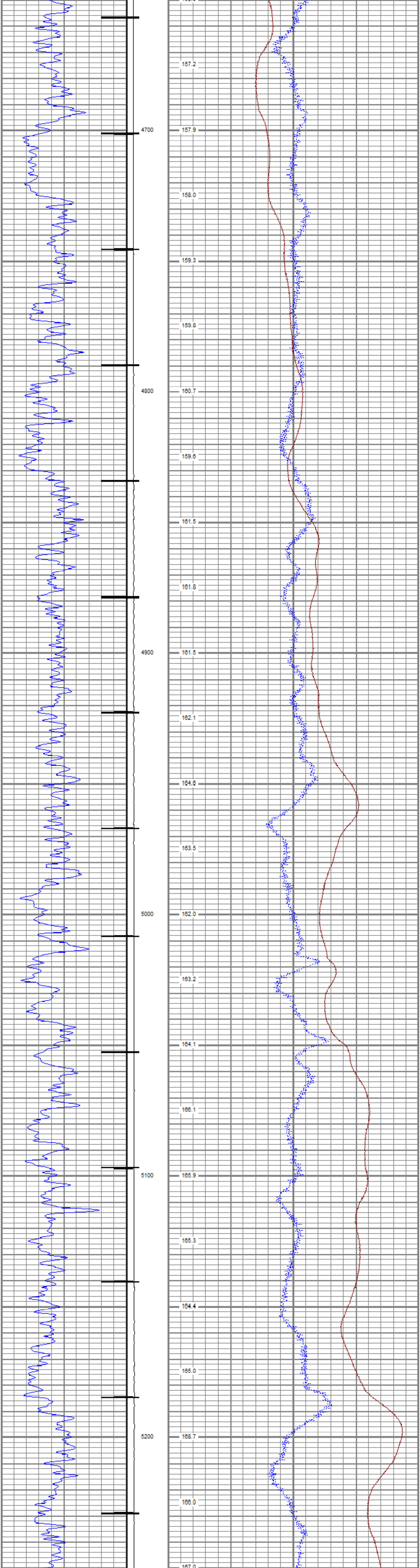
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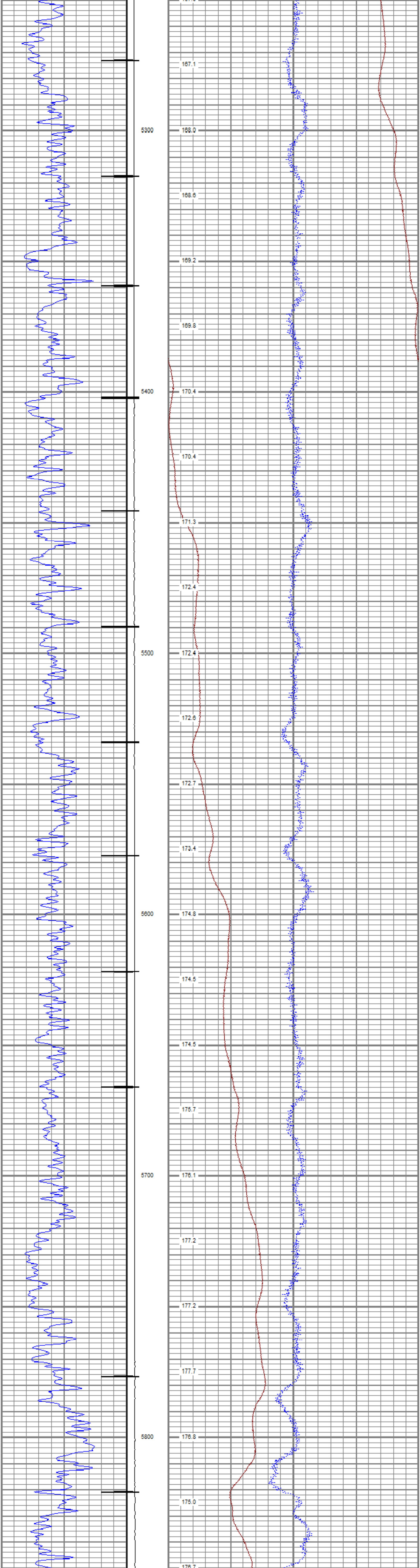
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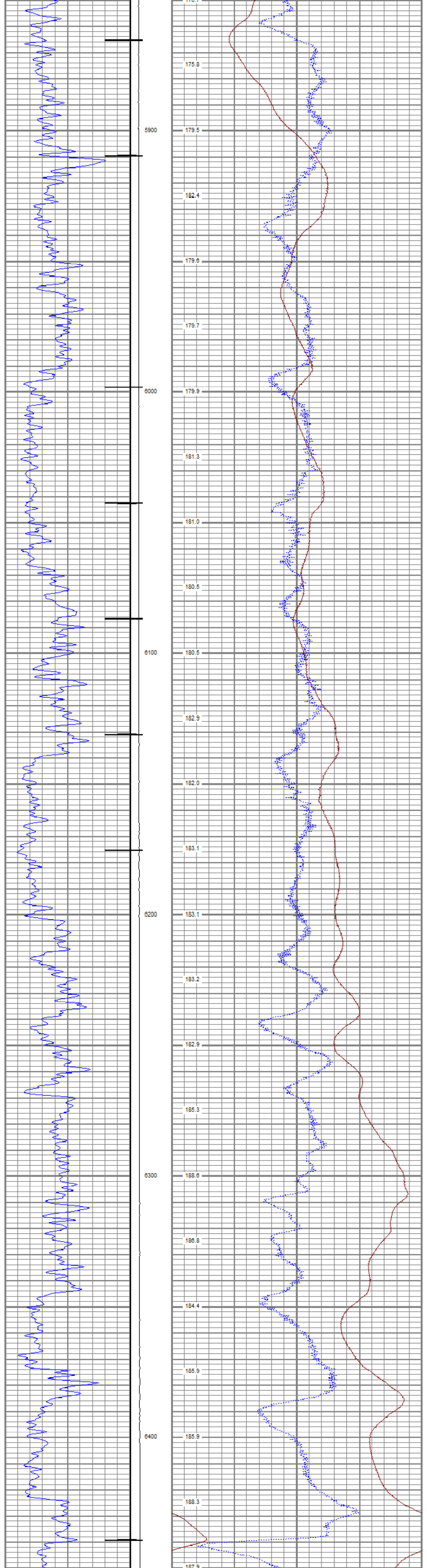
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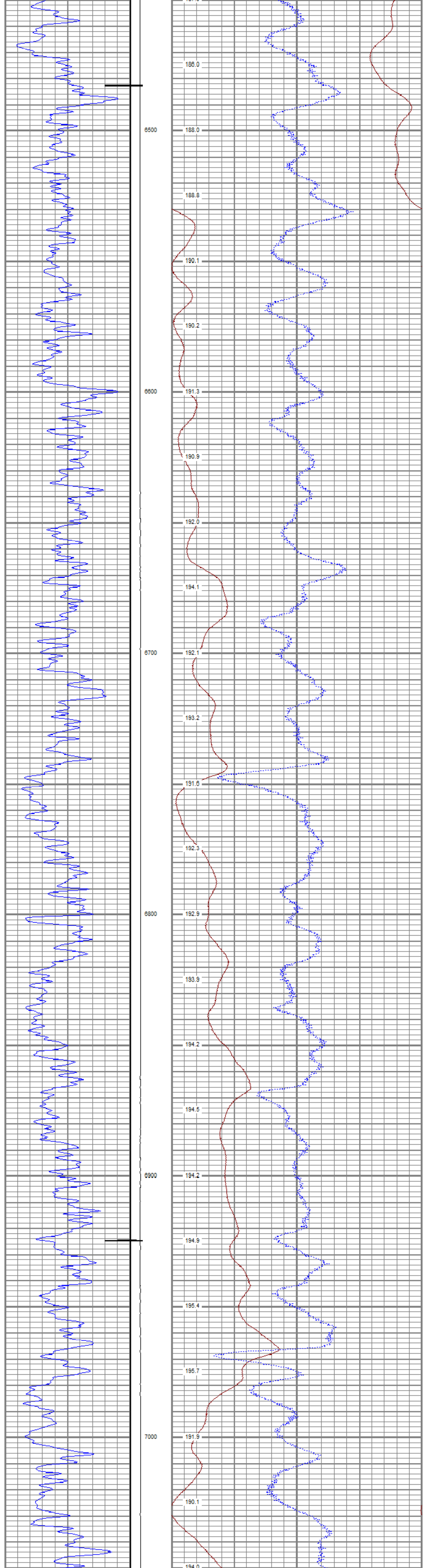
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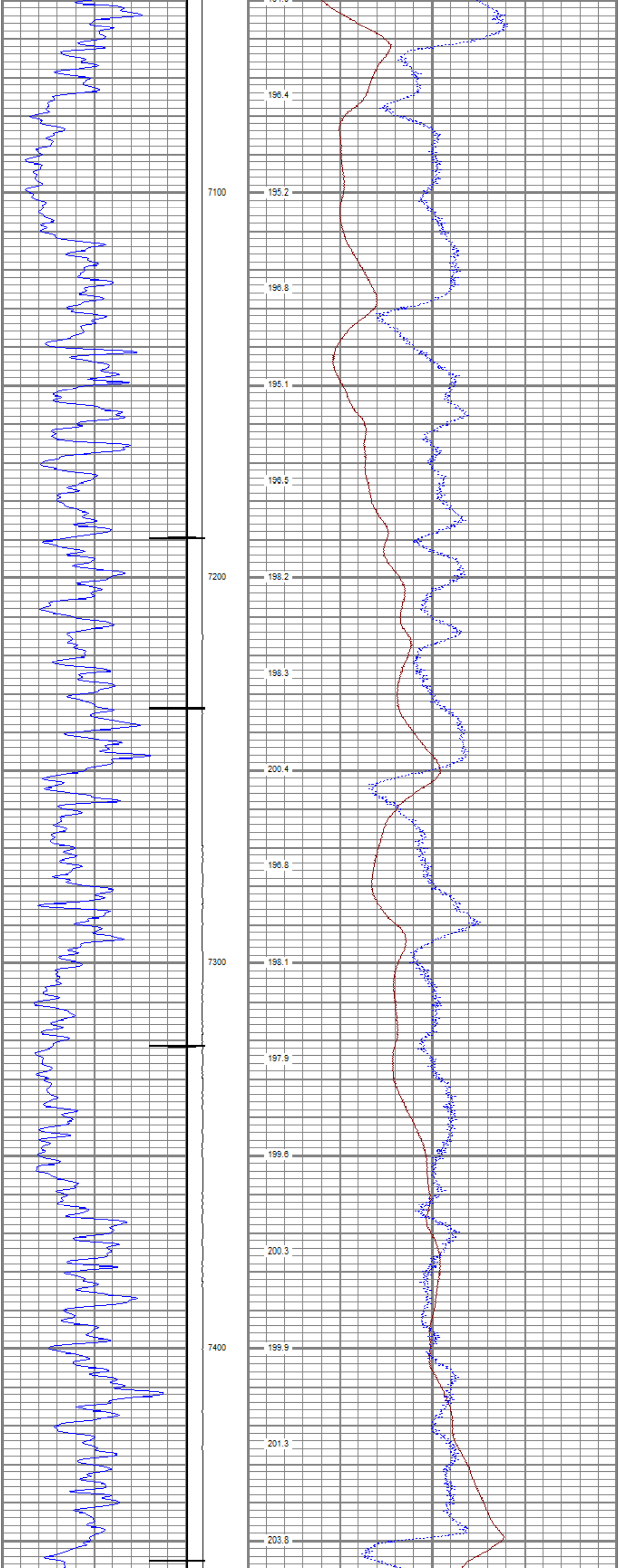
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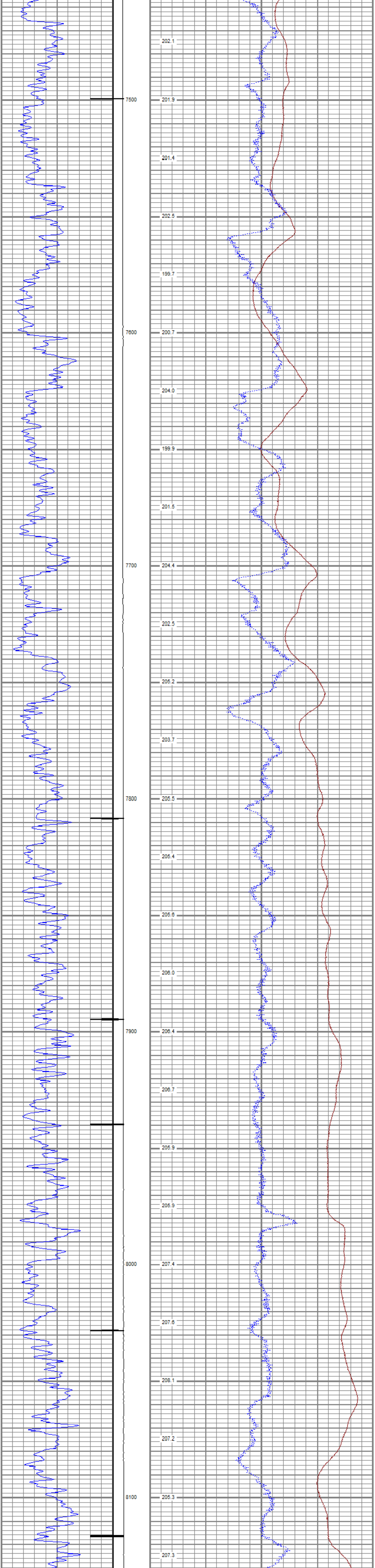
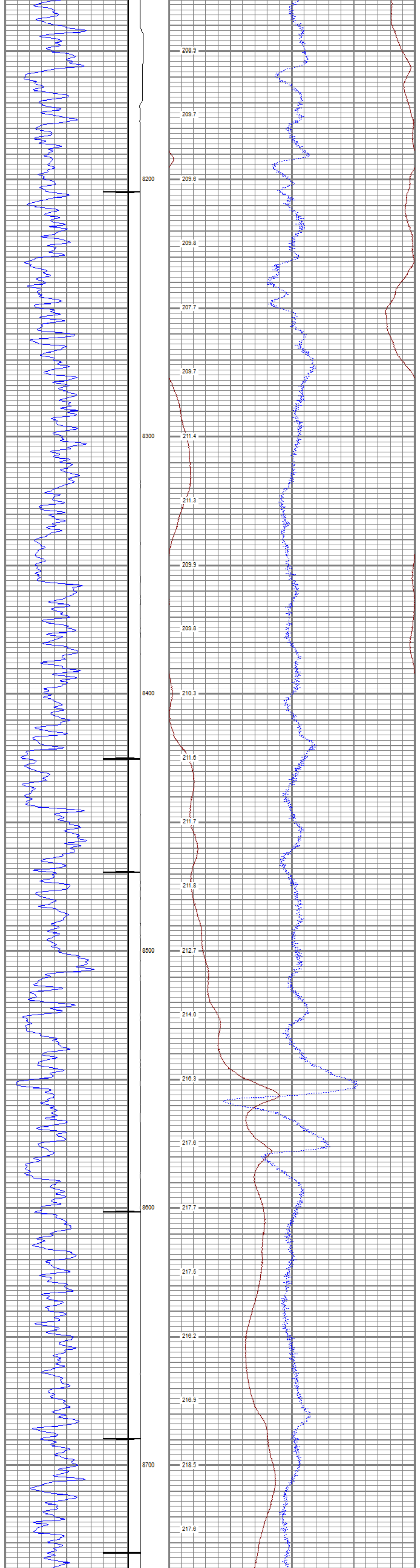
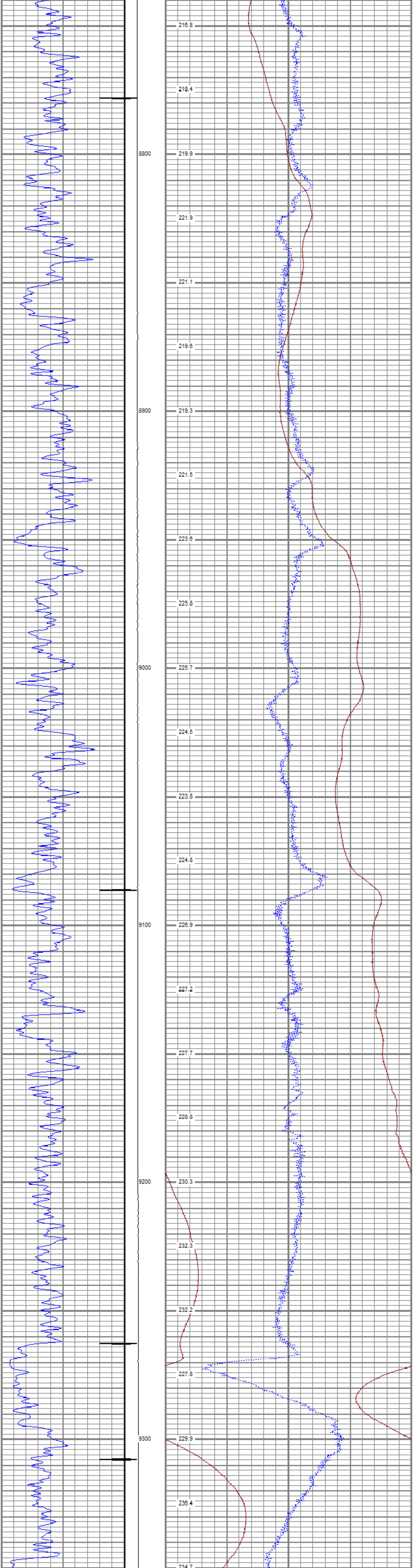
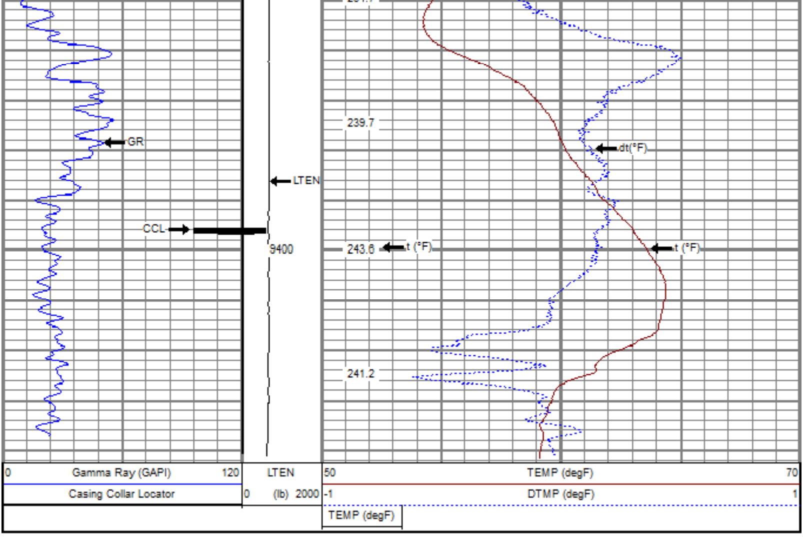
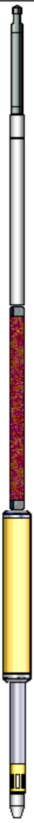








Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan CHD-14375 GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	3.60
			UW AGS-001 (211461) Sondex 1-11/16" Ultrawire Adapter - GO Box to Sondex UW Pin	0.21	1.69	1.00
			UW XTU-002 (10024281) Sondex 1-11/16" Ultrawire Toolbus Crossover to Ultralink Telemetry	1.58	1.69	6.50
GR	3.37		UW PGR-020 (10013899) Sondex 1-11/16" Ultrawire Production Gamma Ray	1.92	1.69	9.50
CCL	1.77		UW CCL-028 (10026421) Sondex 3-1/8" Ultrawire Casing Collar Locator	1.61	3.13	36.00
TEMP	0.37		UW PRT-016 (10024052) Sondex 1-11/16" Ultrawire Platinum Resistance Thermometer	1.04	1.69	5.20
TSTAMP	0.00		UW BUL-006 (10019730) Sondex 1-11/16" Ultrawire Bullnose Terminator Sub	0.22	1.69	1.20

Dataset: TEP_Federal RWF 522-8_TEMP_10-20-20.db: field/well/run1/main
Total length: 7.62 ft
Total weight: 63.00 lb
O.D.: 3.13 in

Calibration Report

Database File C:\ProgramData\Warrior\Data\TEP\TEP_Federal RWF 522-8_TEMP_10-20-20\TEP_Federal RWF 522-8_TEMP_10-20-20.db
Dataset Pathname main
Dataset Creation Tue Oct 20 21:14:21 2020

Temperature Calibration Report

Serial Number: 10024052
Tool Model: 016
Performed: Mon Oct 01 10:54:16 2018

Point #	Reading		Reference	
1	12242.00	cps	68.00	degF
2	18329.00	cps	104.00	degF
3	29563.00	cps	176.00	degF
4	41222.00	cps	248.00	degF
5	52988.00	cps	320.00	degF
6	58824.00	cps	356.00	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

Gamma Ray Calibration Report

Serial Number: 10013899
Tool Model: 020
Performed: Mon Oct 01 10:55:17 2018

Calibrator Value: 637.0 GAPI

Background Reading: 78.8 cps
Calibrator Reading: 1069.9 cps

Sensitivity: 0.6427 GAPI/cps

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Well	Federal RWF 522-8
Field	Rulison
County	Garfield
State	Colorado