Radial Cement Bond
Gamma Ray
Casing Collar Log

Company	TEP Rocky Mountain LLC
Well	Federal #RG 321-24-298
Field	Sulfer Creek
County	Rio Blanco
State	Colorado

Company TEP Rocky Mountain LLC

Well Federal #RG 321-24-298

Field Sulfer Creek

County Rio Blanco State Colorado

Location: API # : 05-103-12577

SEC 13 TWP 2S RGE 98W

Other Services

Permanent Datum	Ground Level	Elevation	6667'	Elevation
Log Measured From	Kelly Bushing			K.B. 6697'
Drilling Measured From	Kelly Bushing			G.L. 6667'

Date	12 JULY 2024
Run Number	One
Depth Driller	11710'
Depth Logger	11653'
Bottom Logged Interval	11650'
Top Log Interval	Surface
Open Hole Size	8.75"
Type Fluid	Water
Density / Viscosity	8.34 Lb/Gal
Max. Recorded Temp.	256°F
Estimated Cement Top	See Log
Time Well Ready	ROA
Time Logger on Bottom	15:00
Equipment Number	8102
Location	Grand Junction
Recorded By	Vaughn
Witnessed By	C. Applegate

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface Casing		36	Surface	3196'
Production Casing	4.5"	11.6	Surface	11700'
Intermediate #2				
Liner				

<<< Fold Here >>>

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 Schedule.

Comments

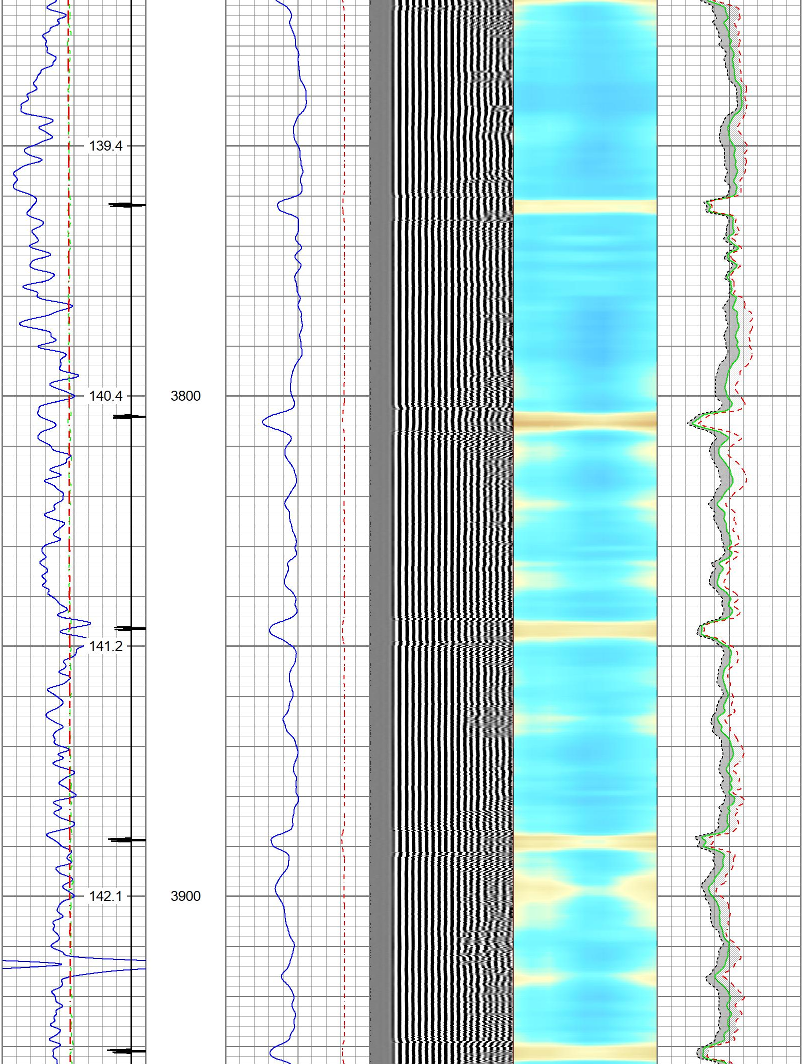
Log ran as per customer request
Depth referenced to Kelly Bushing at 30'
Marker joint logged @ 6722' - 6732'

Thank you for choosing The Wireline Group!

Main Pass 5"=100'

(0 PSI)

Database File	tep_rg_321-24-298_rcbl\tep_rg_321-24-298_rcbl.db
Dataset Pathname	merge1
Presentation Format	twgrcbl
Dataset Creation	Fri Jul 12 16:48:27 2024
Charted by	Depth in Feet scaled 1:240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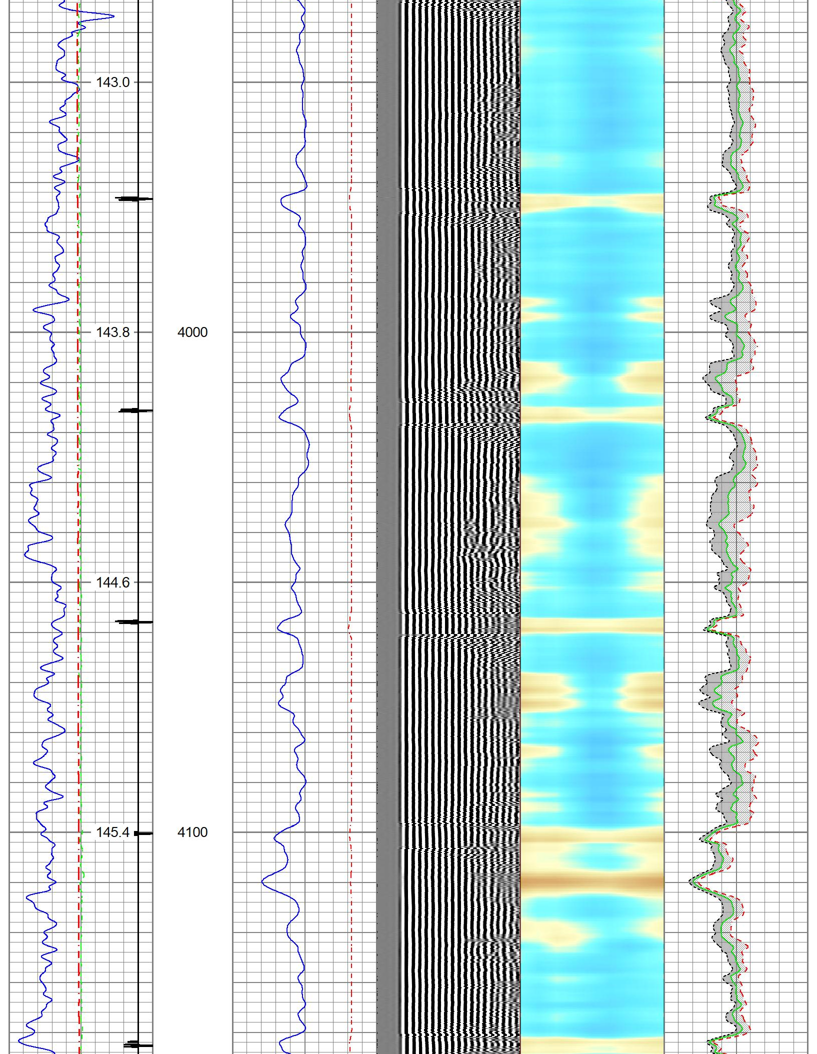
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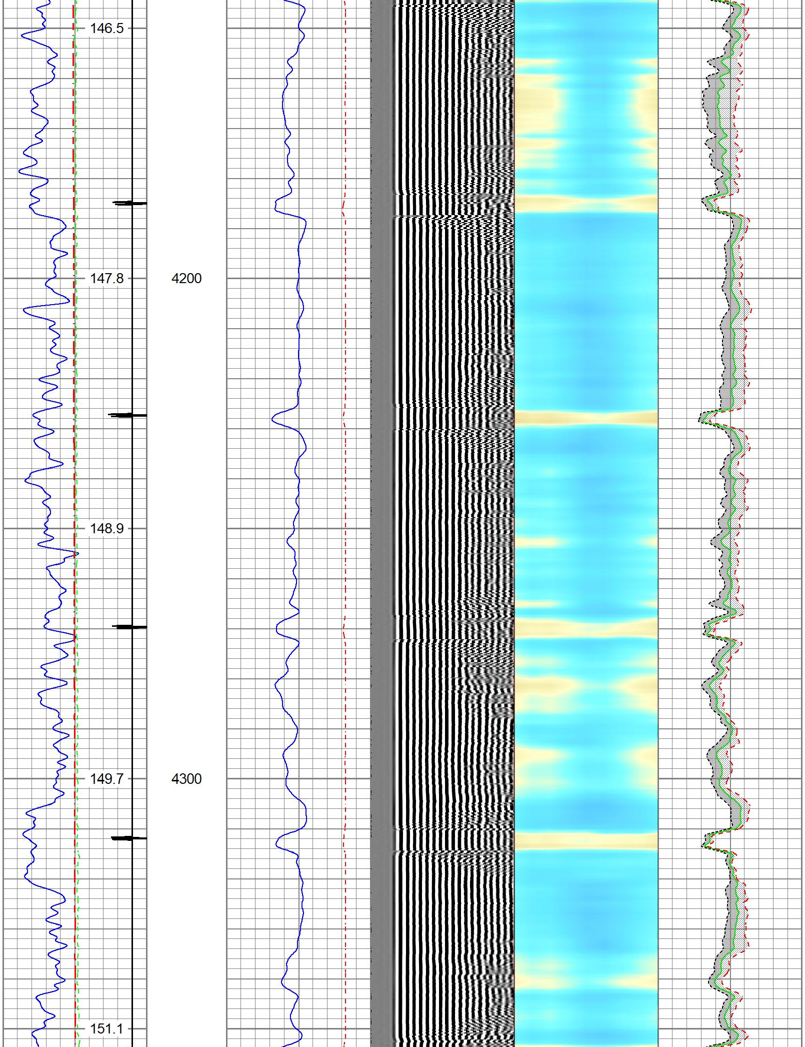
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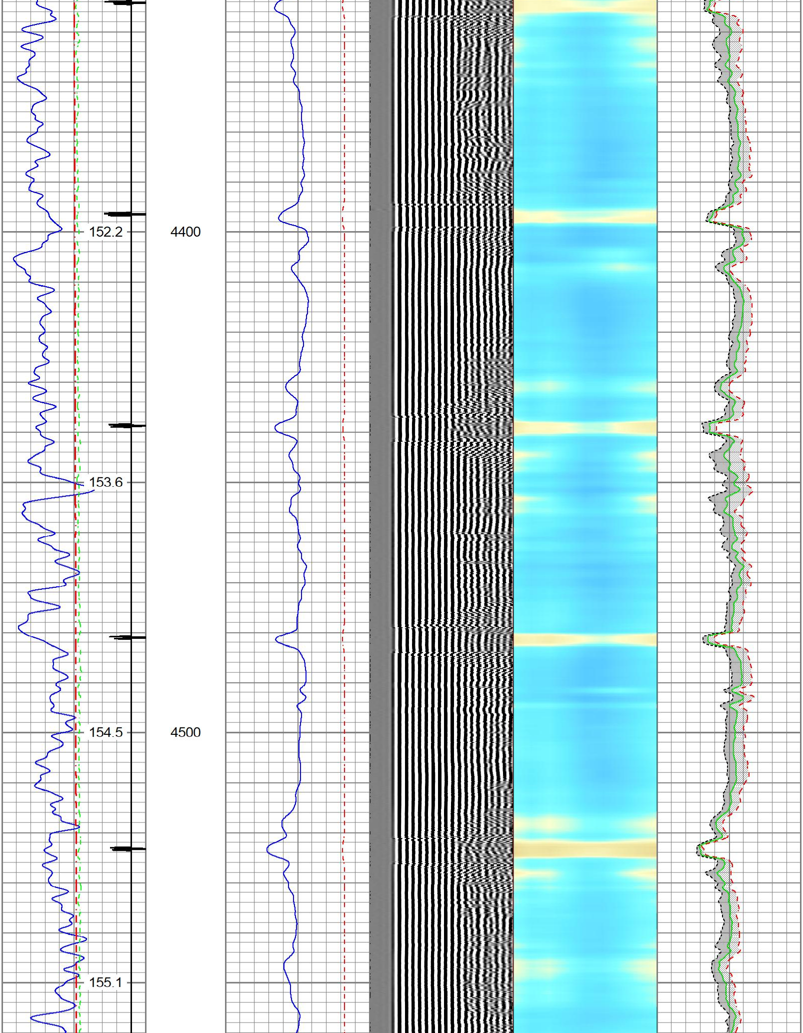
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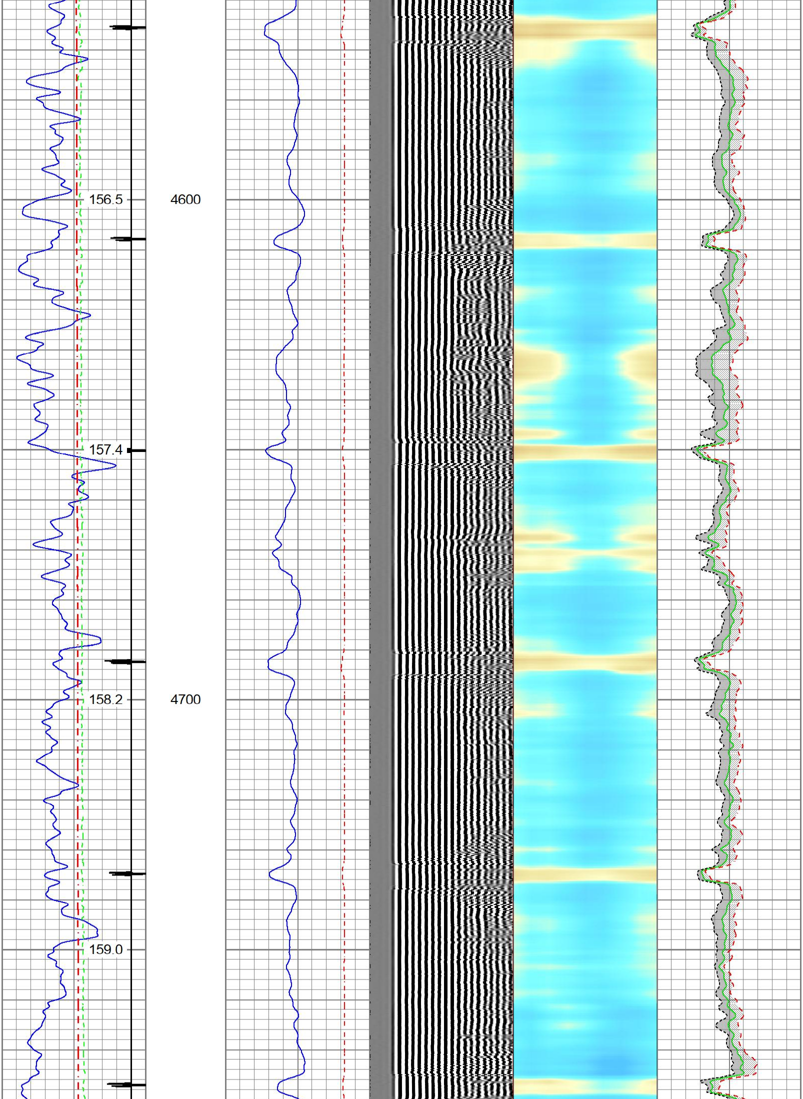
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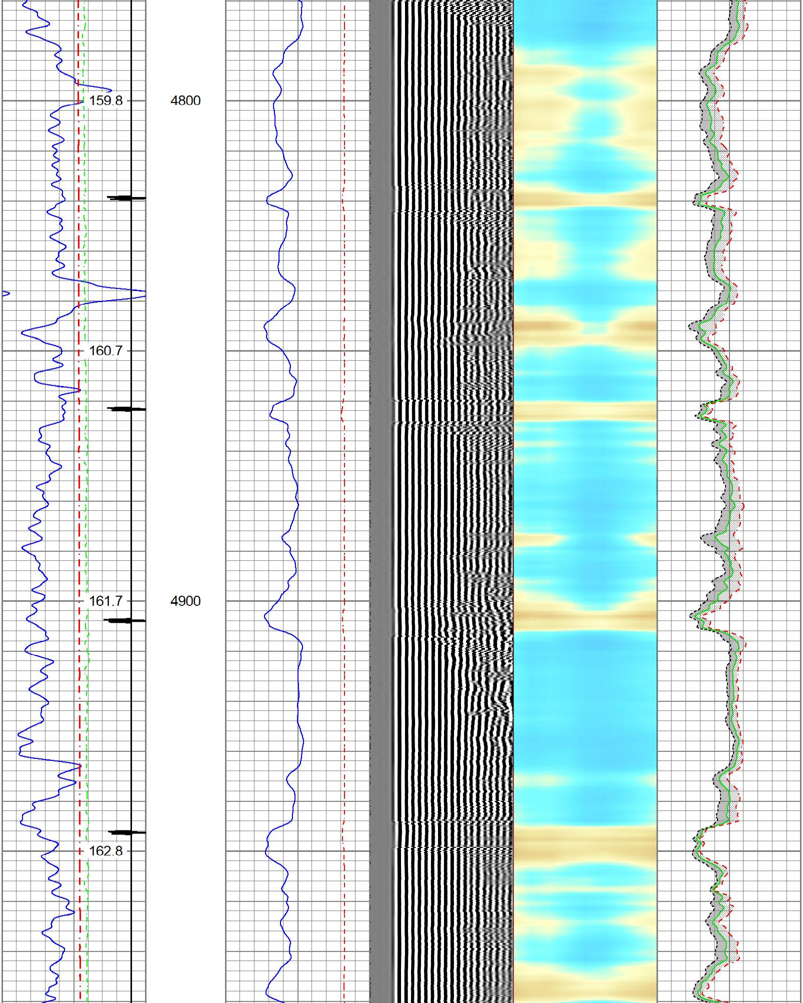
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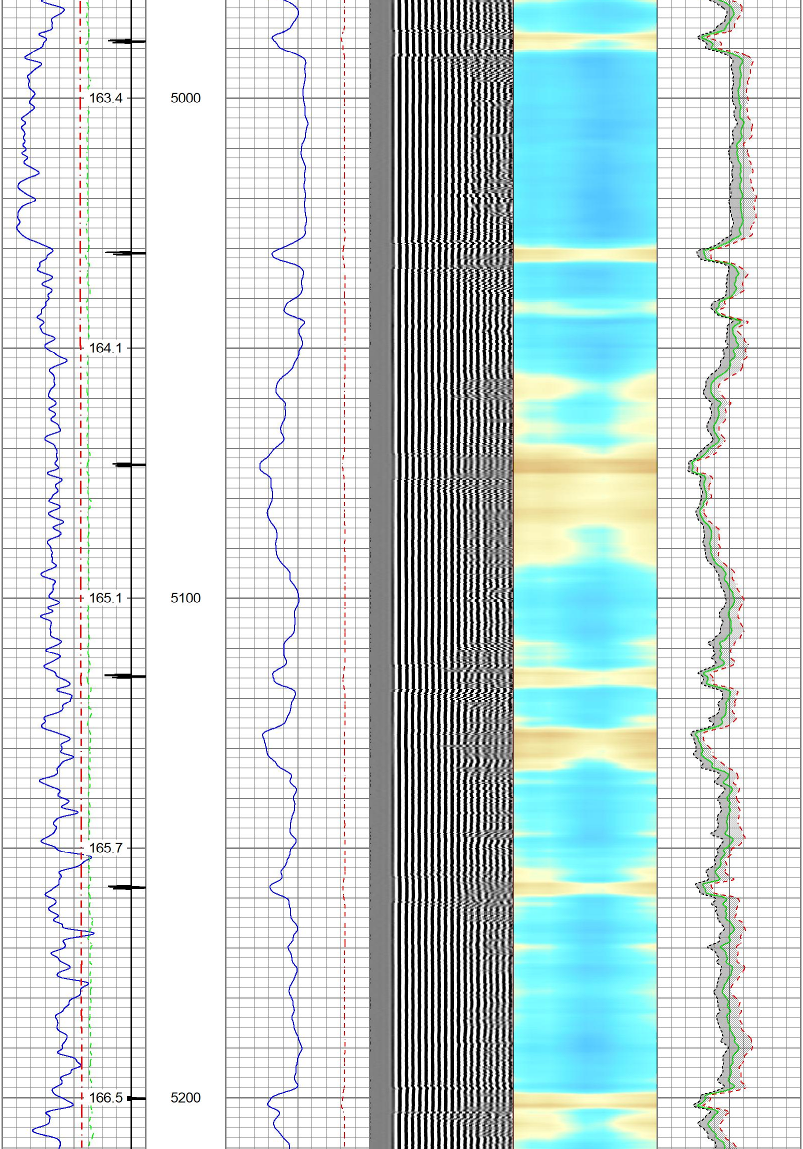
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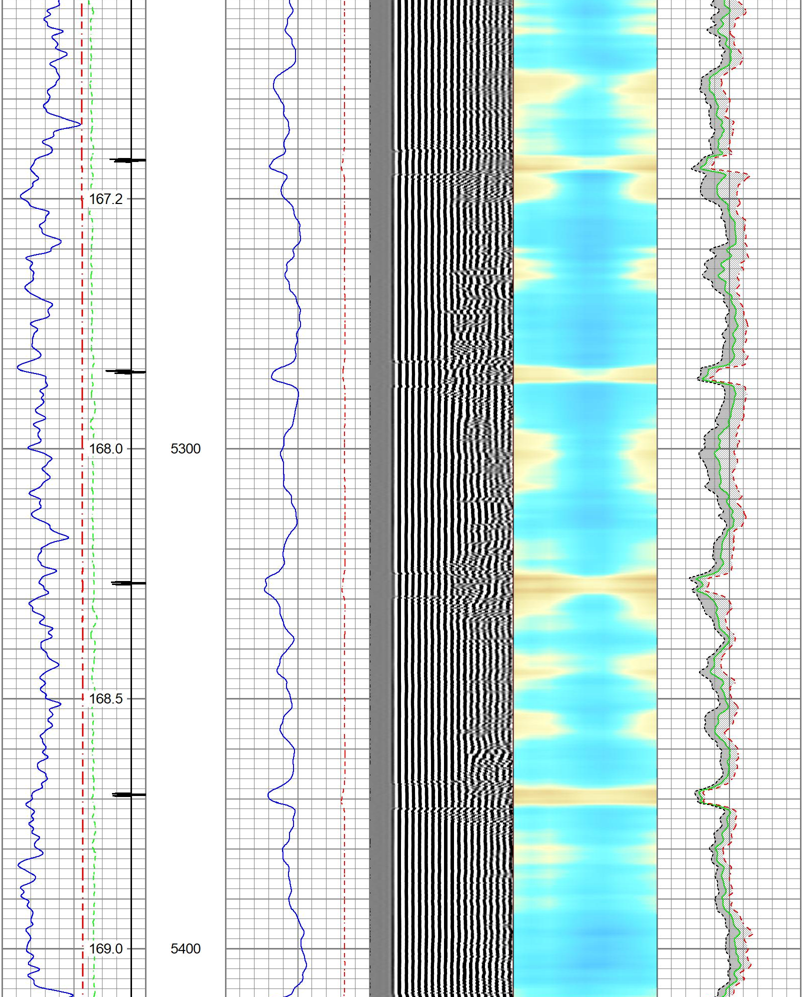
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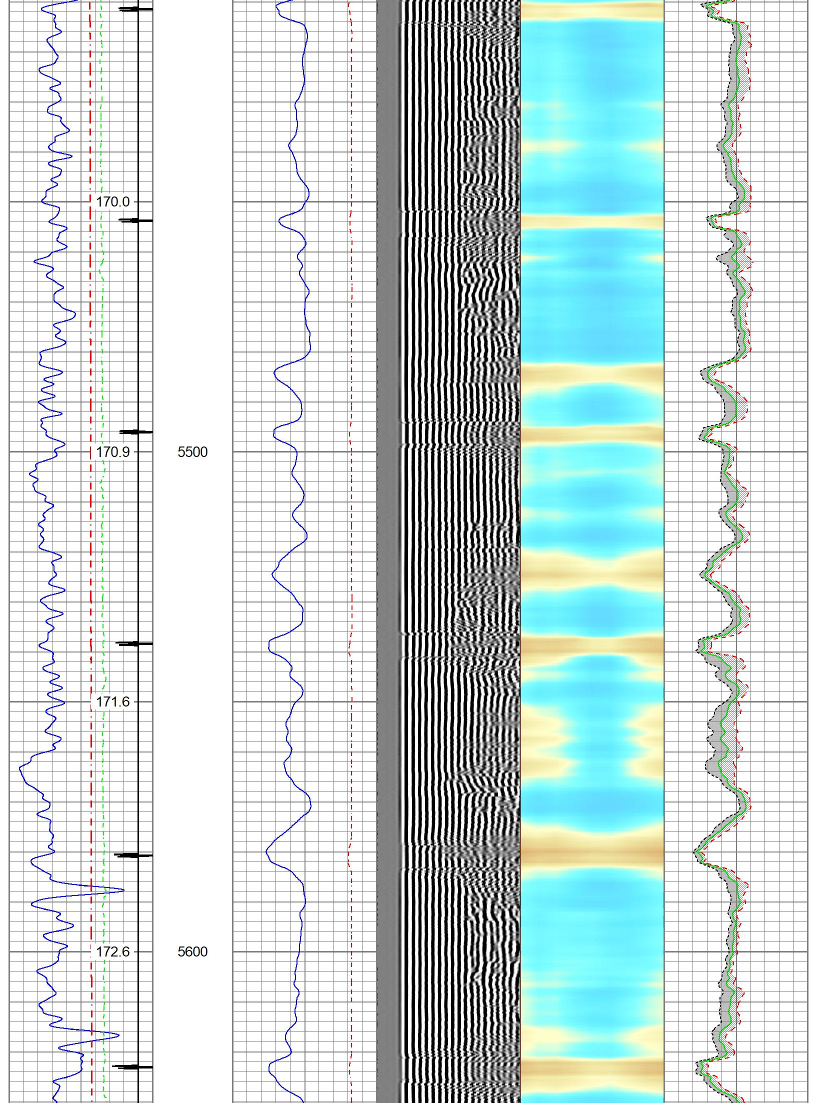
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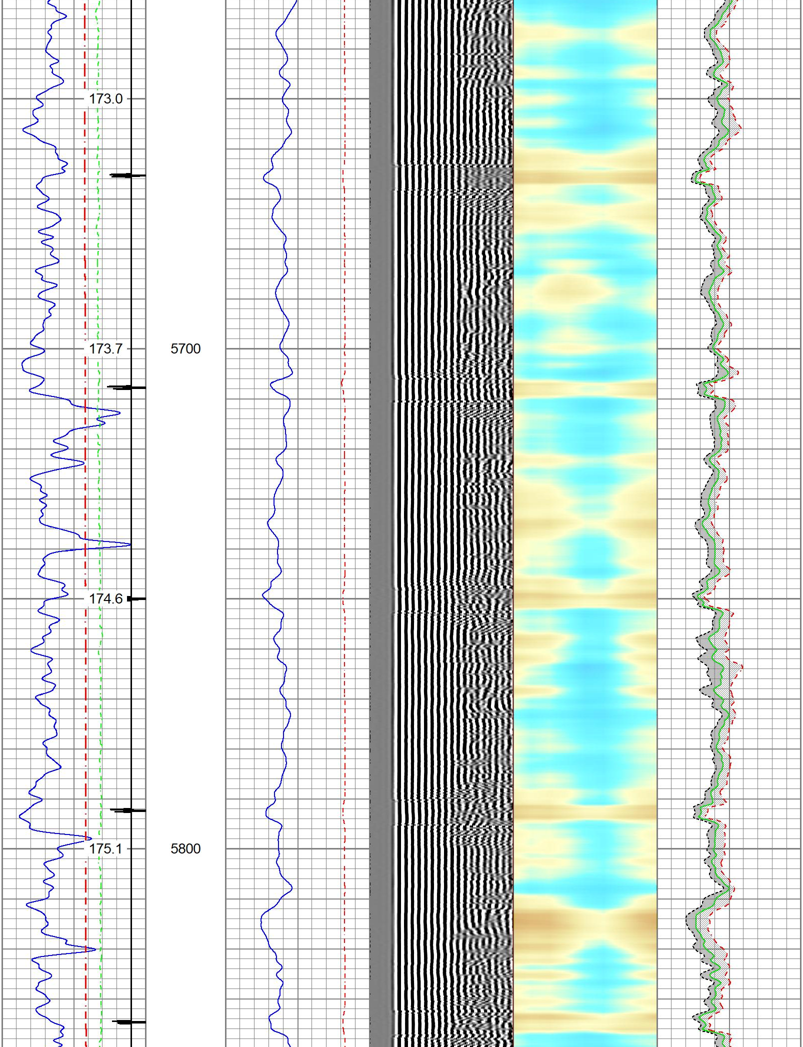
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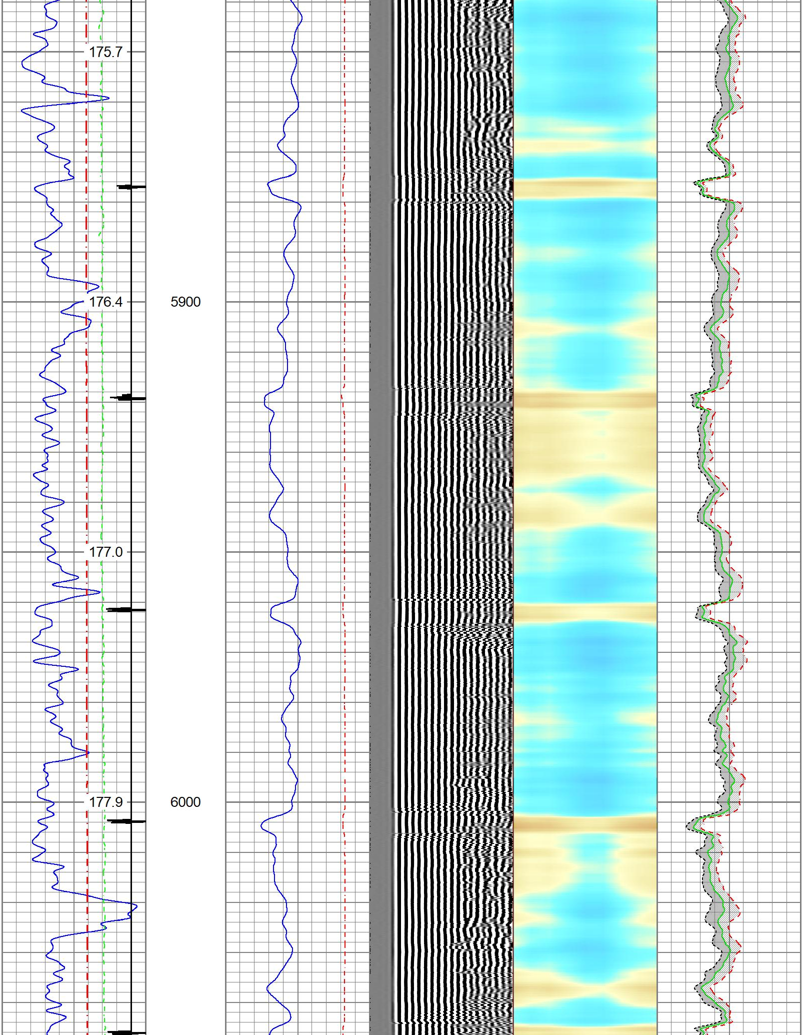
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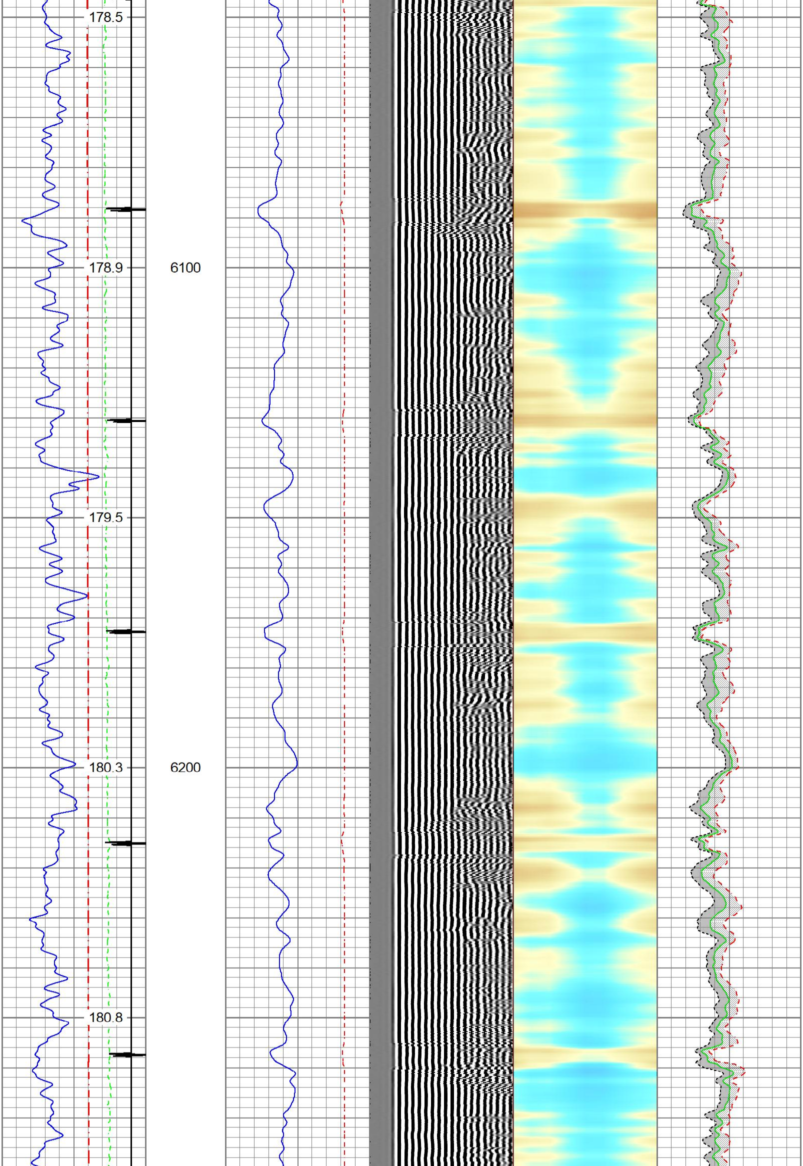
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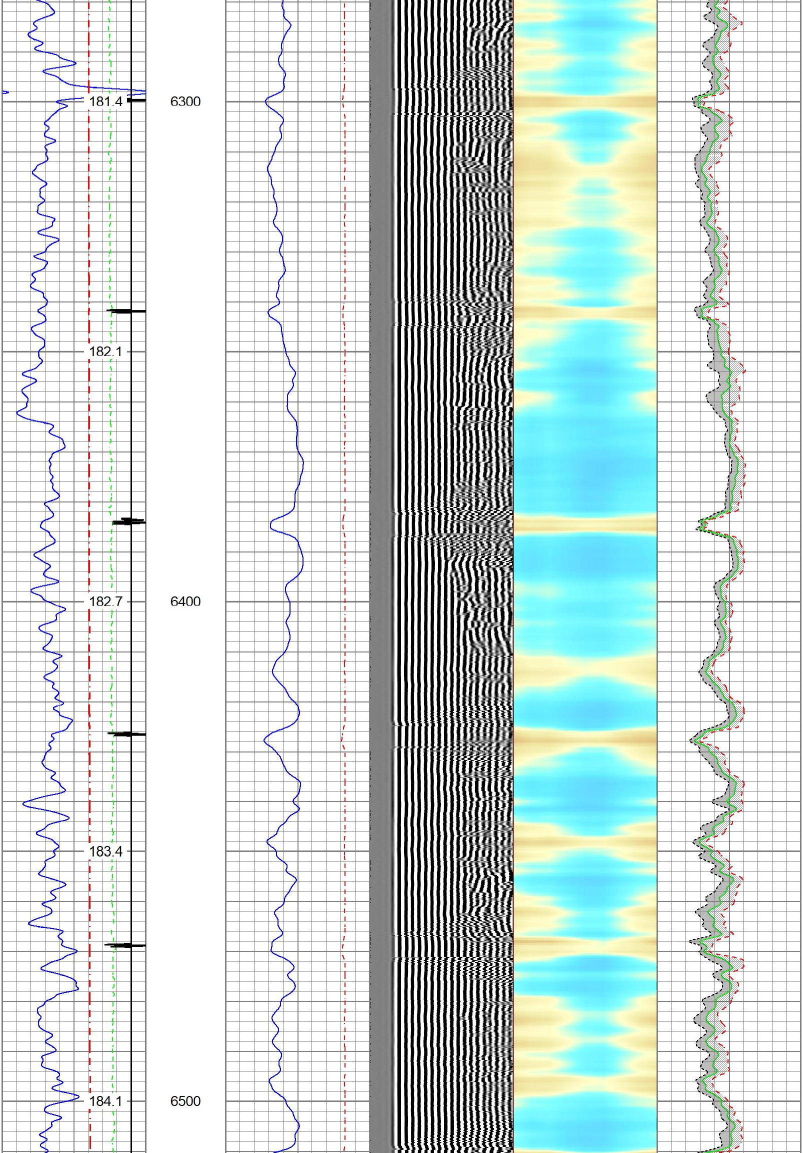
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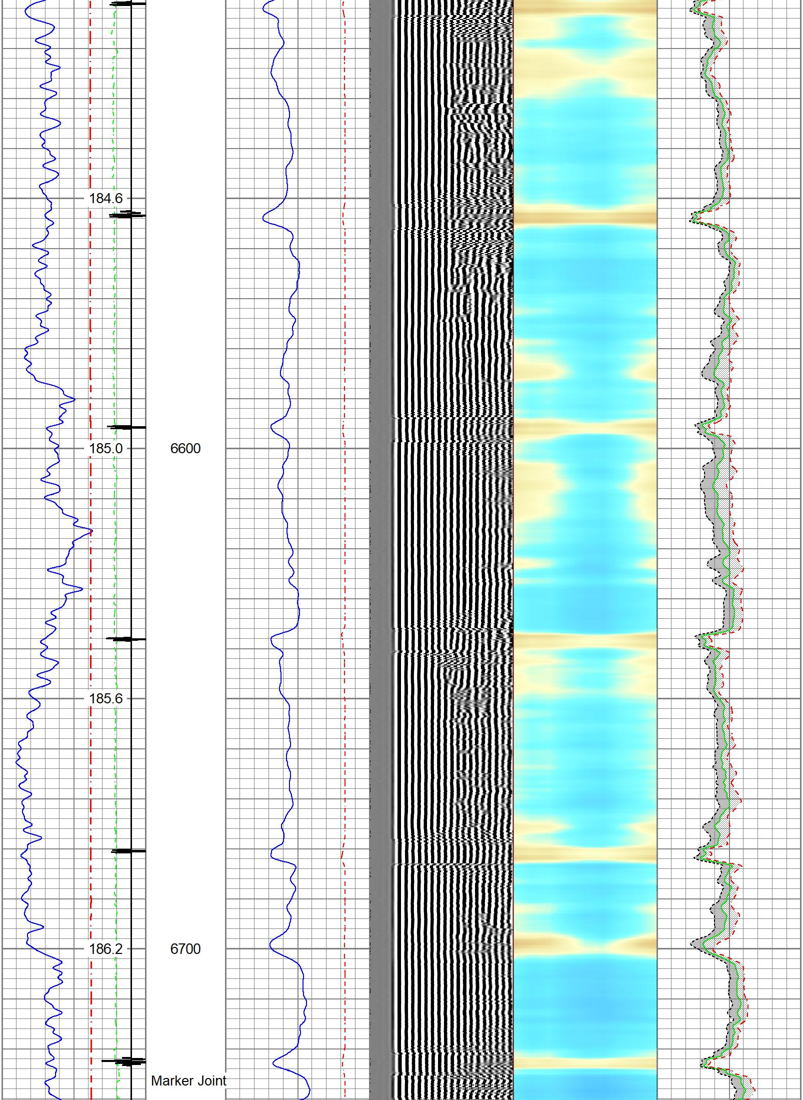
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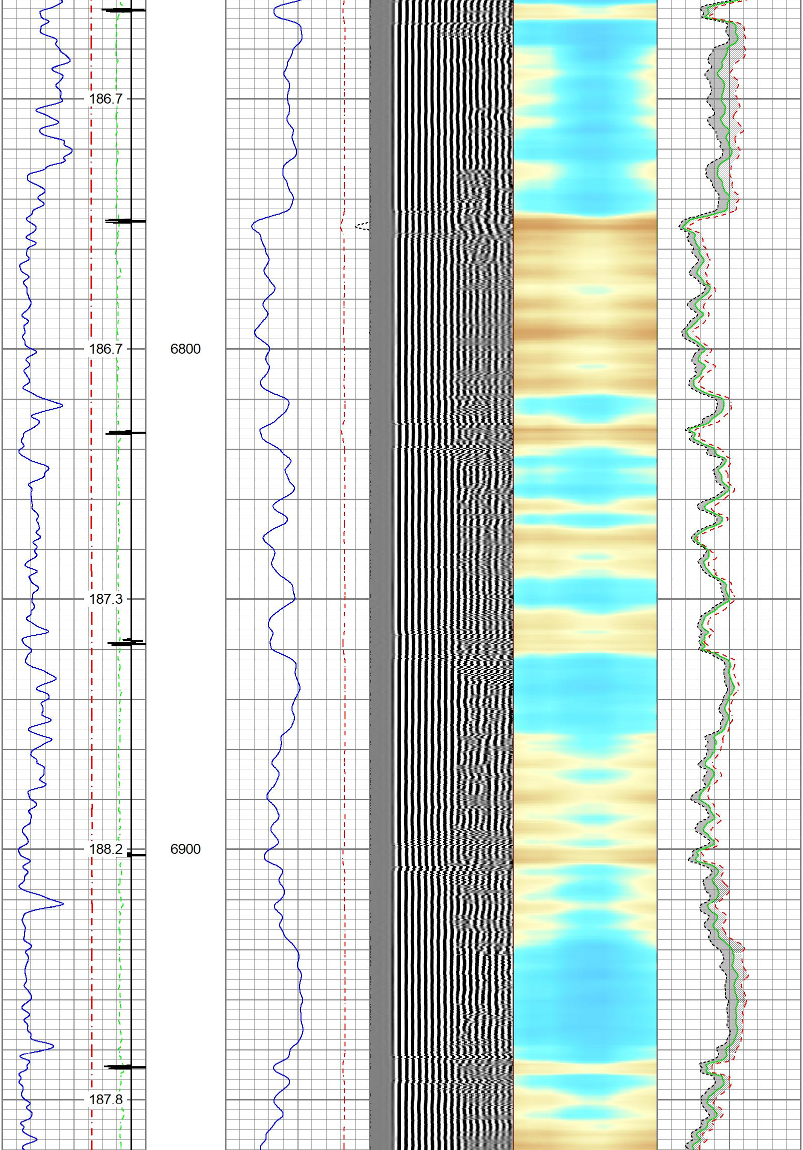
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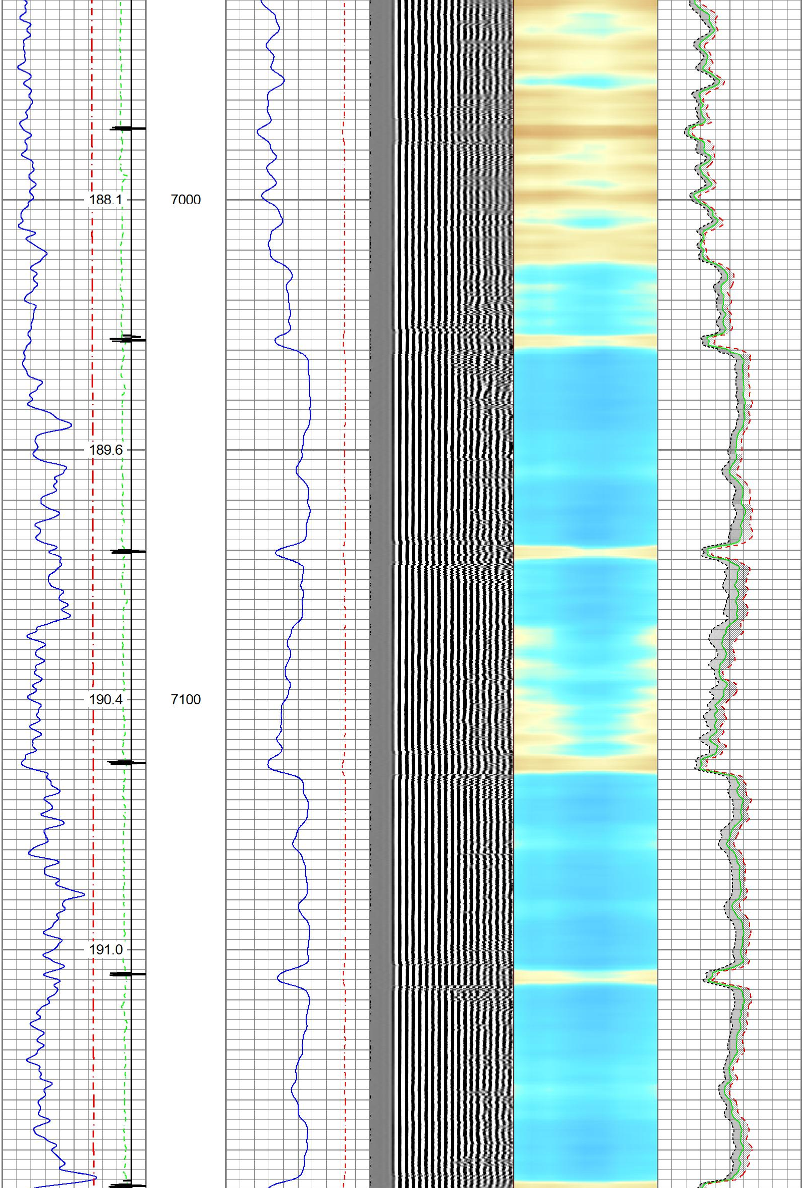
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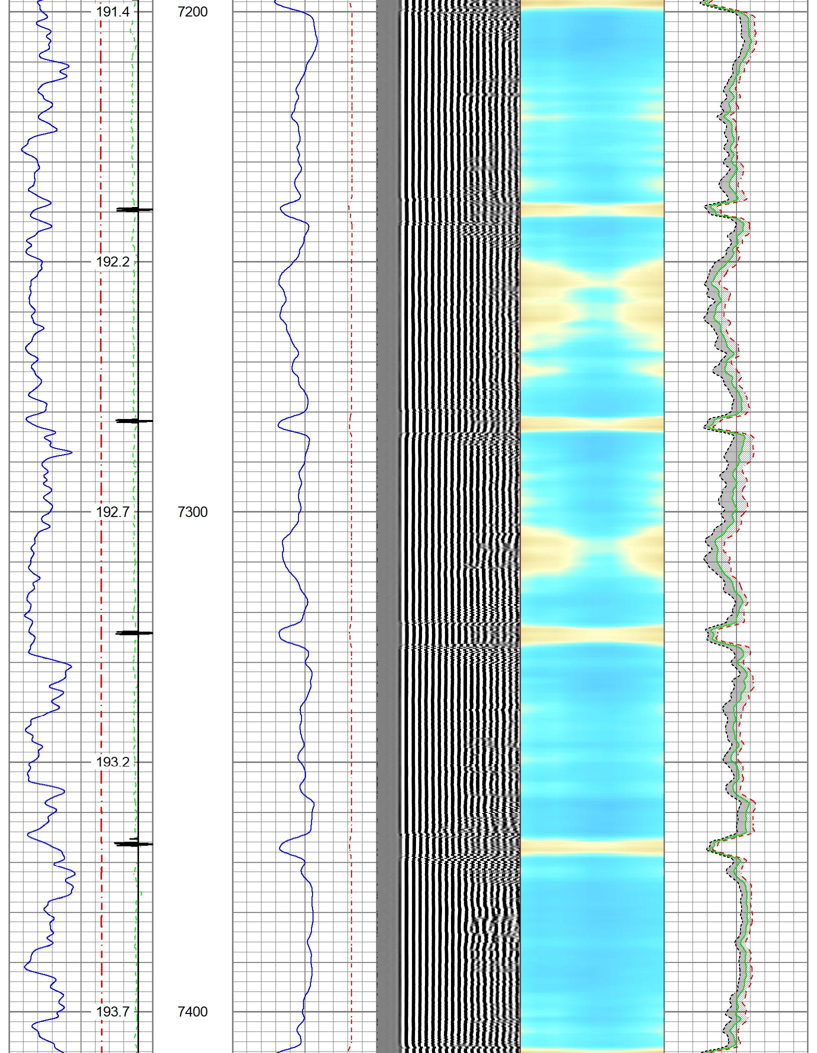
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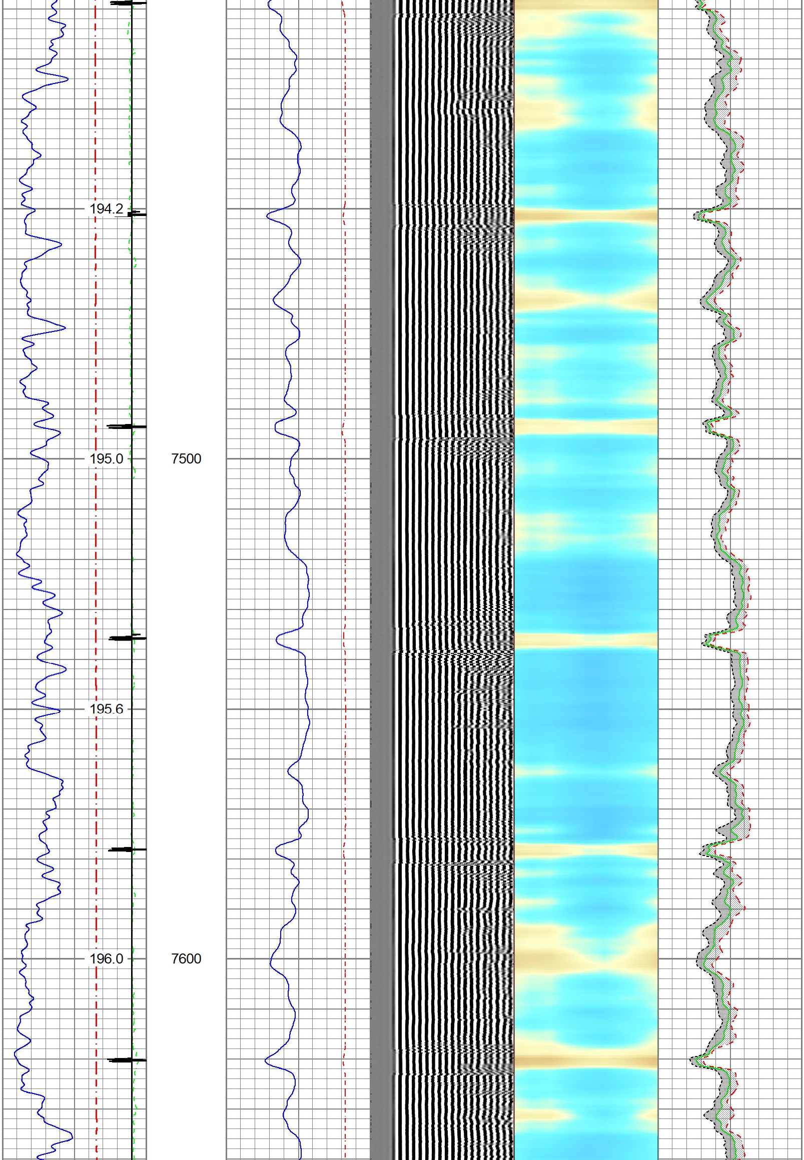
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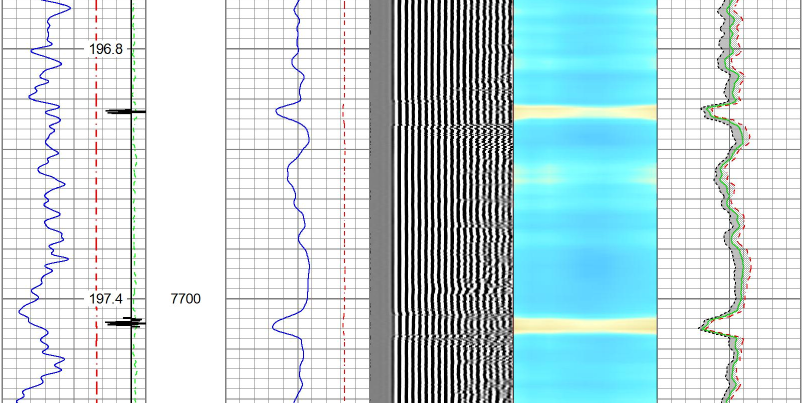
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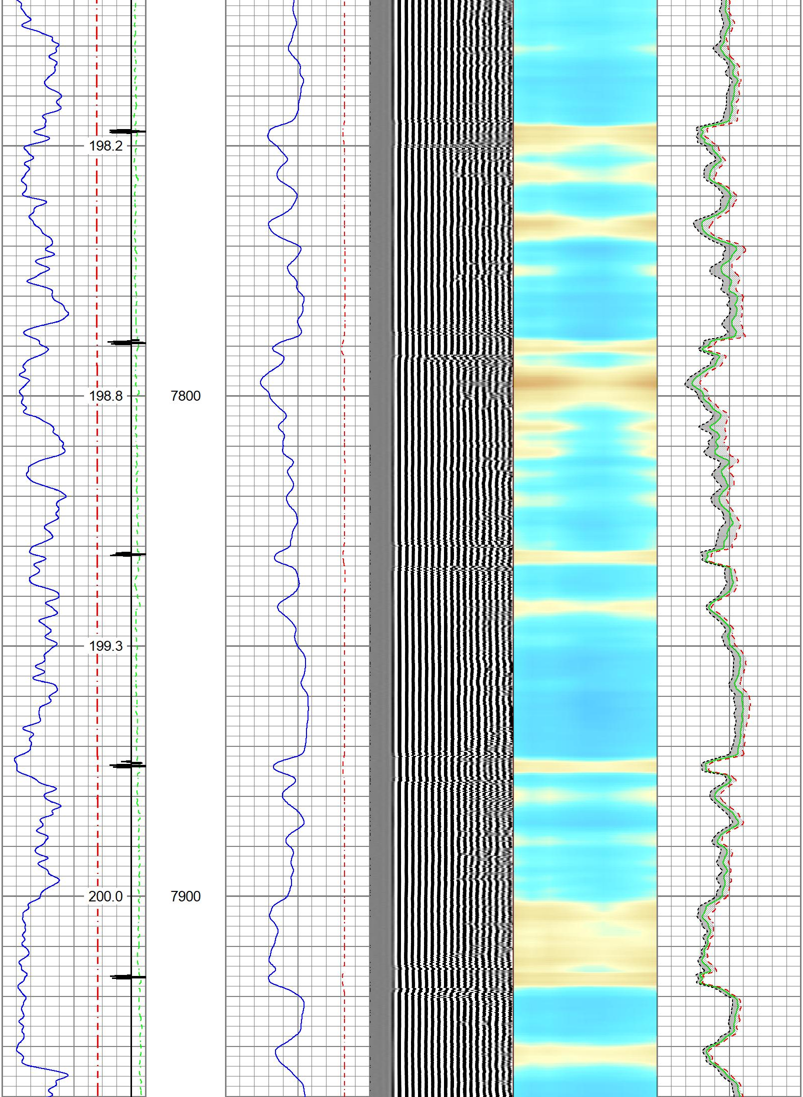
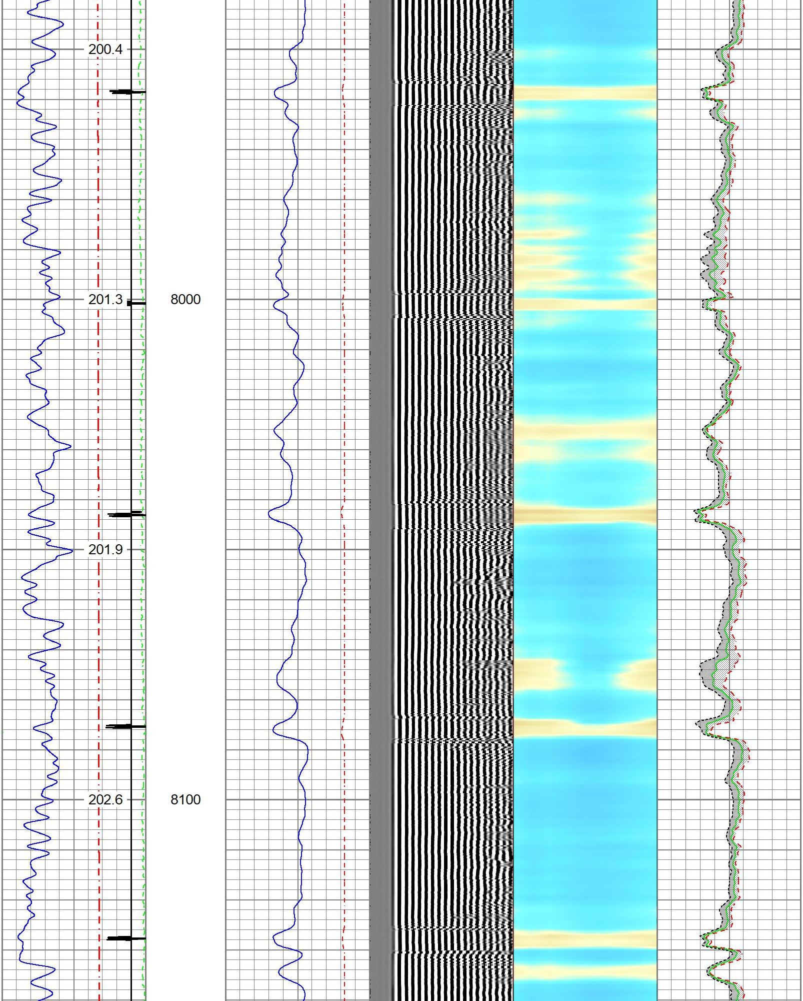
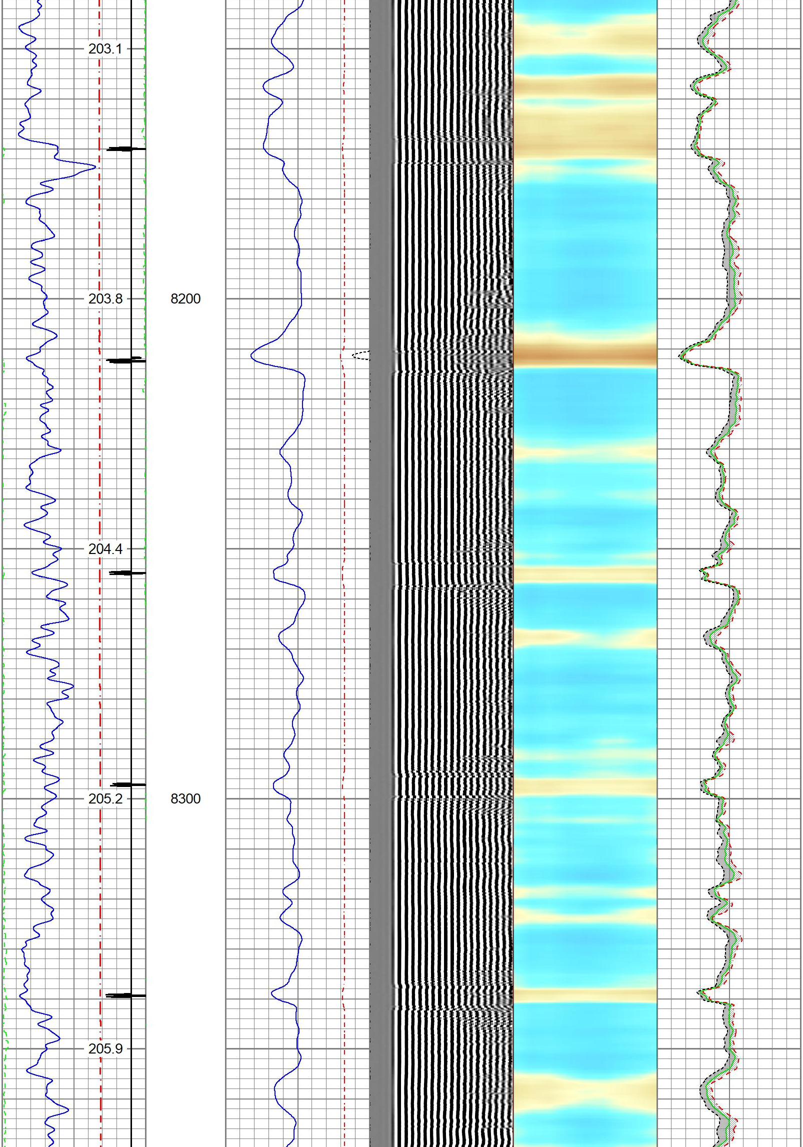
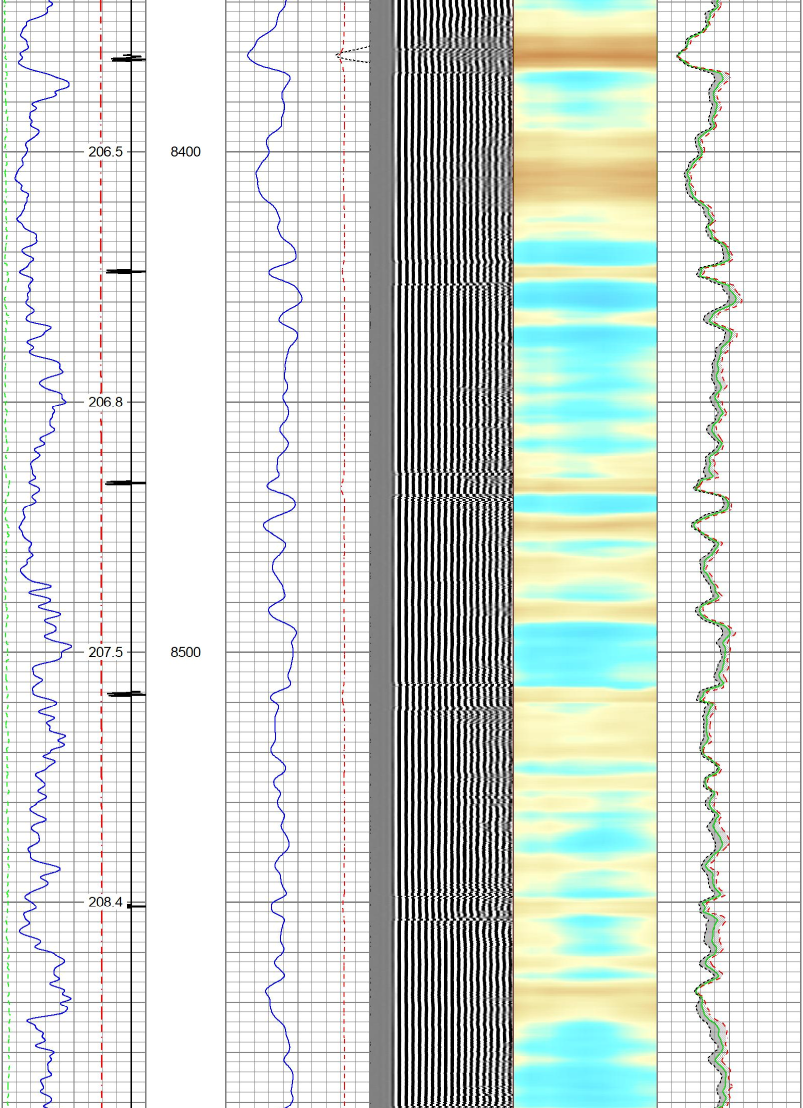
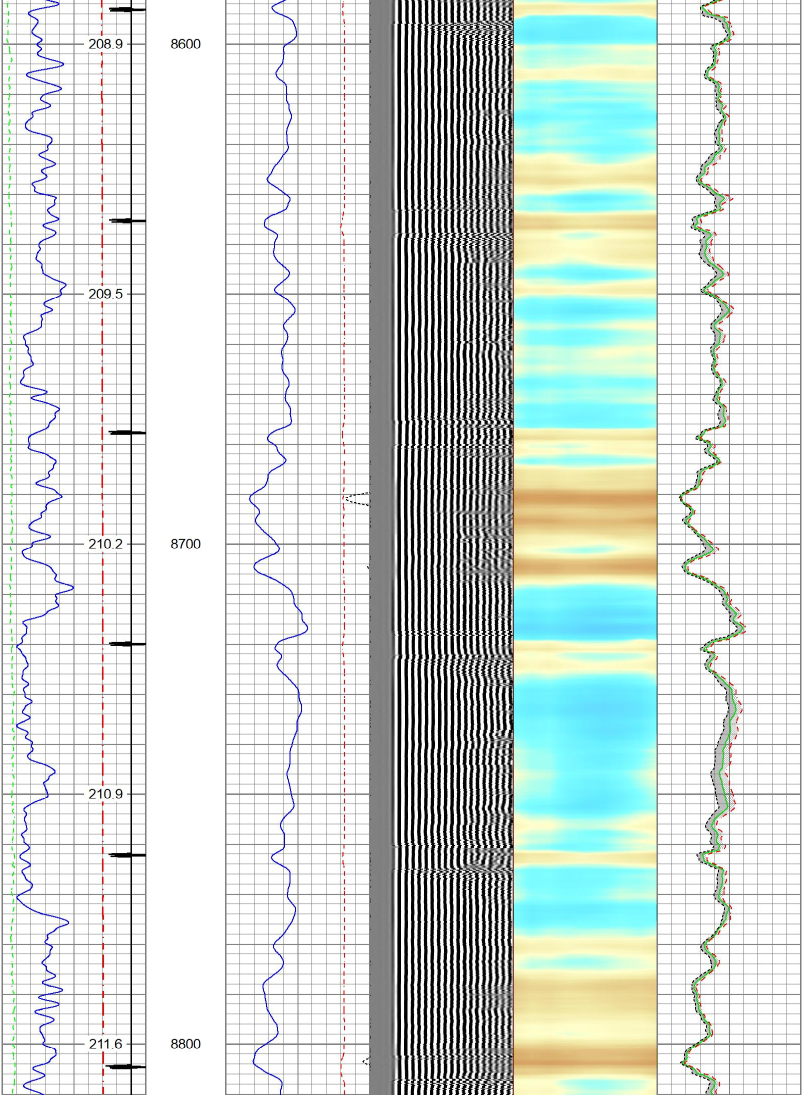
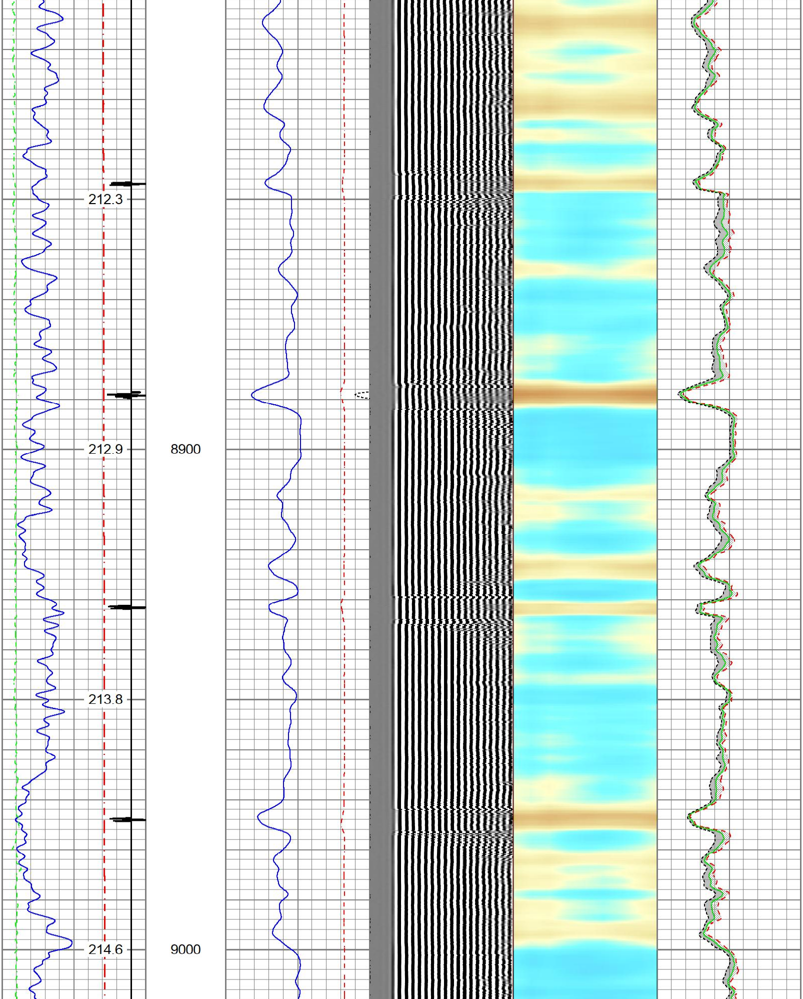


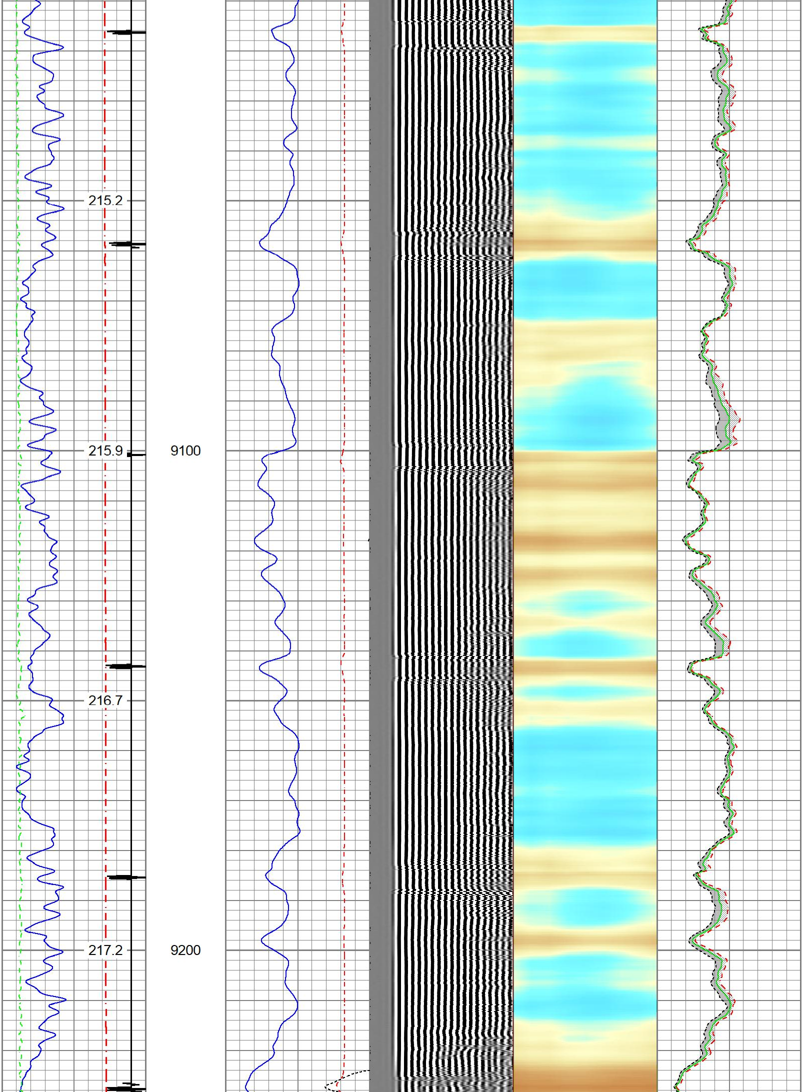


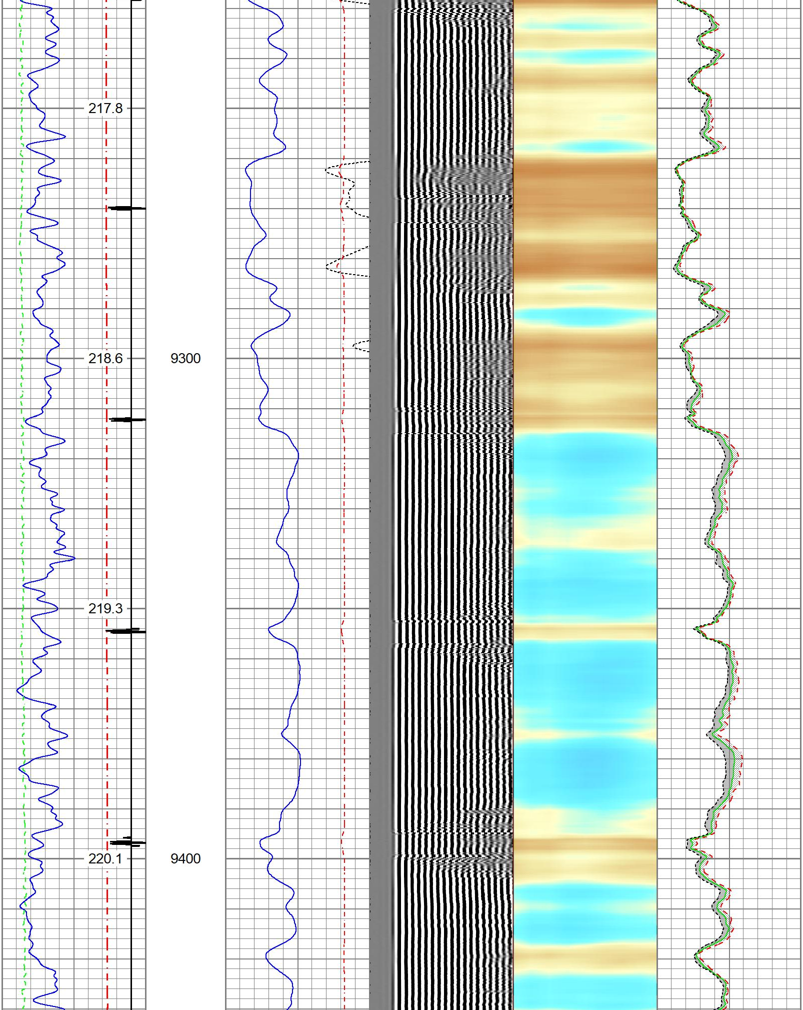


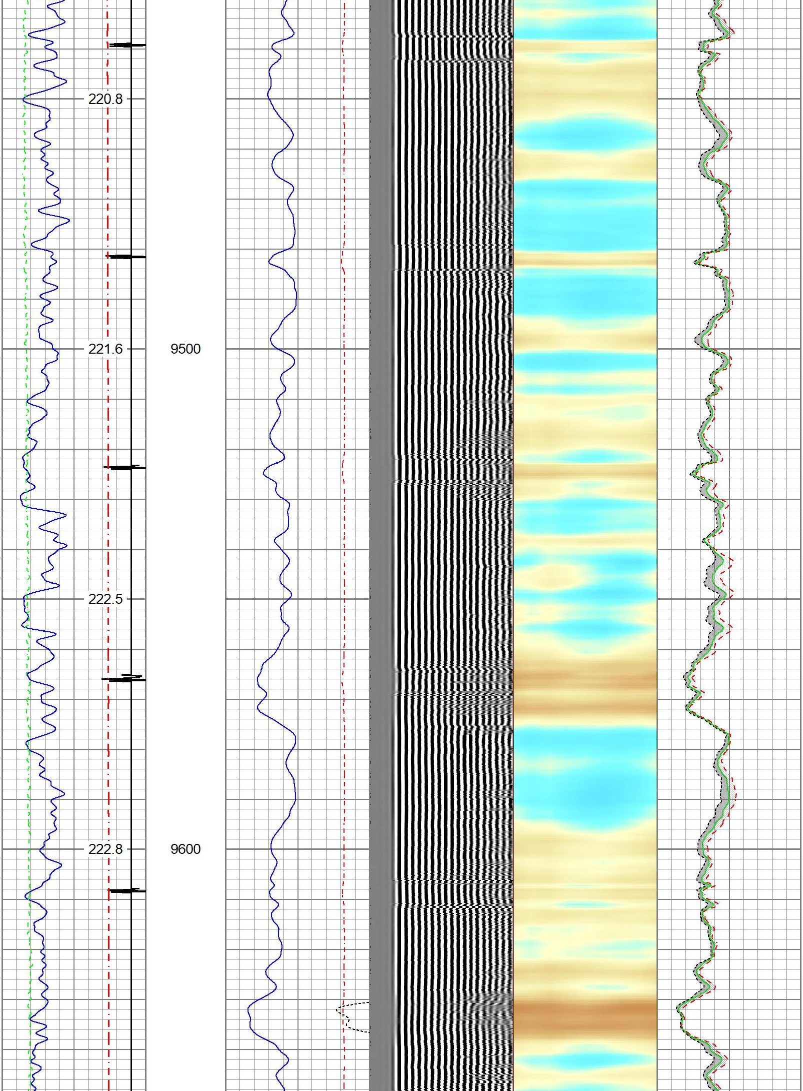


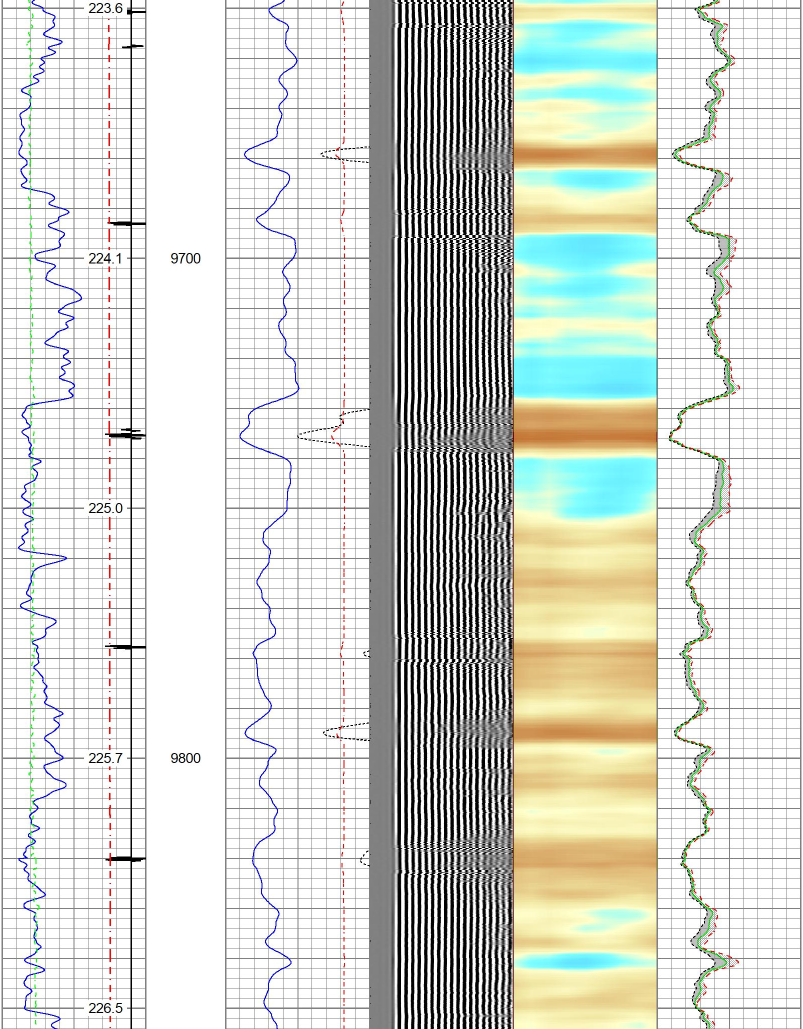


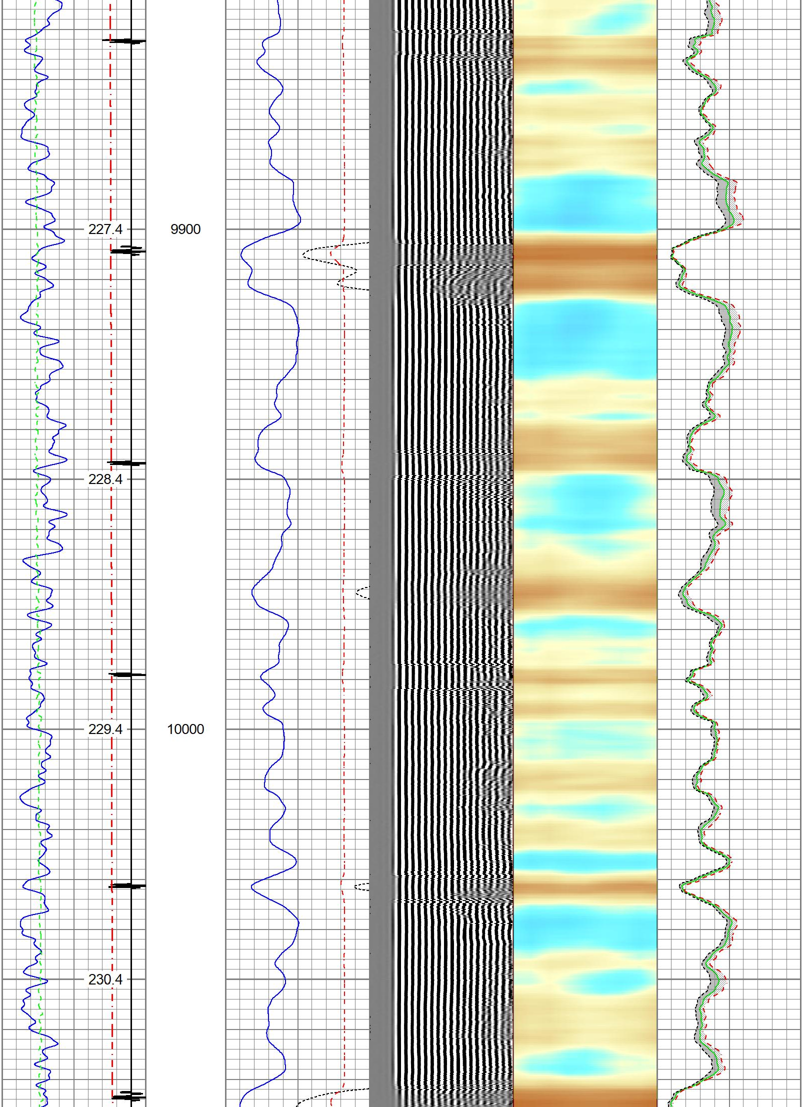


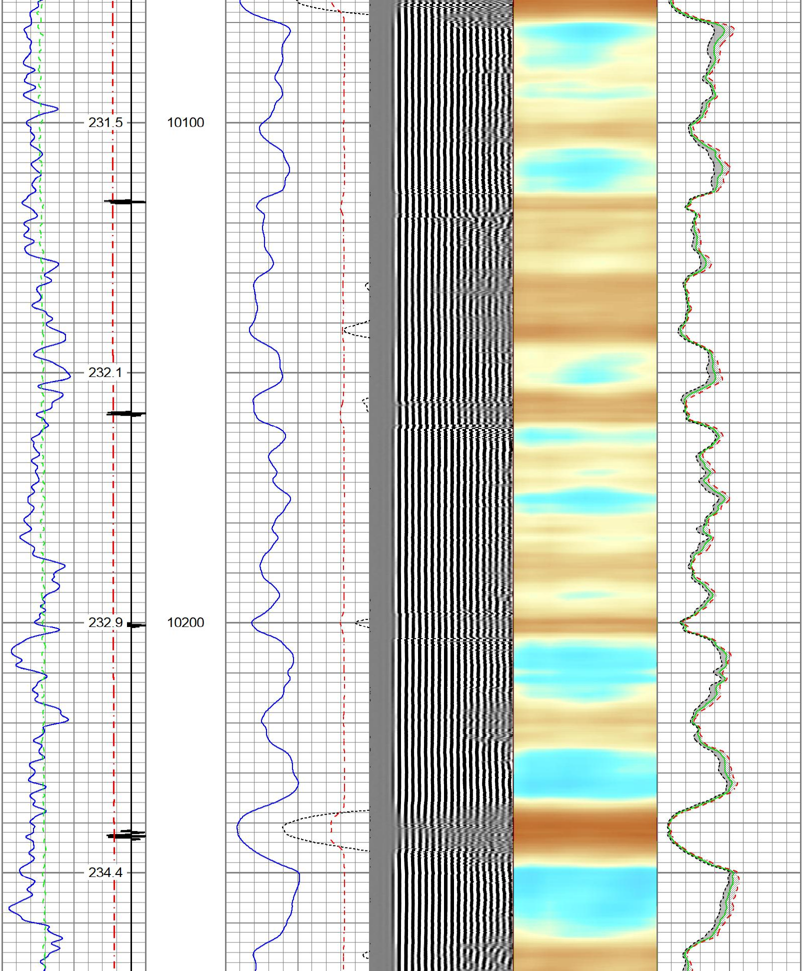


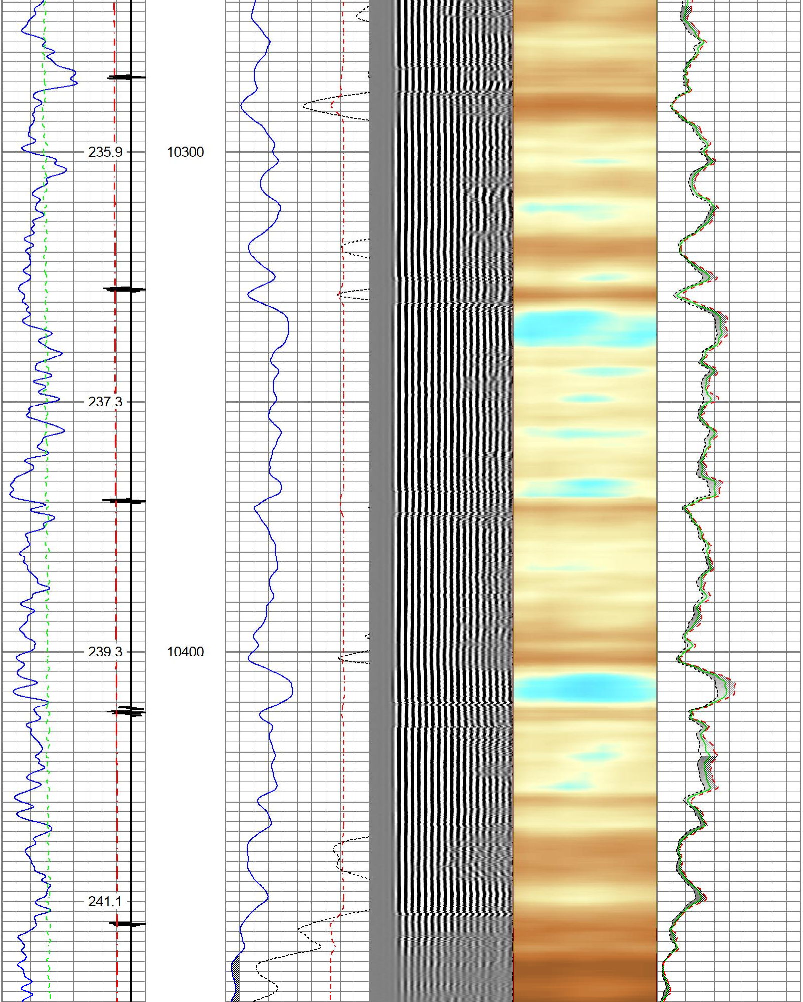


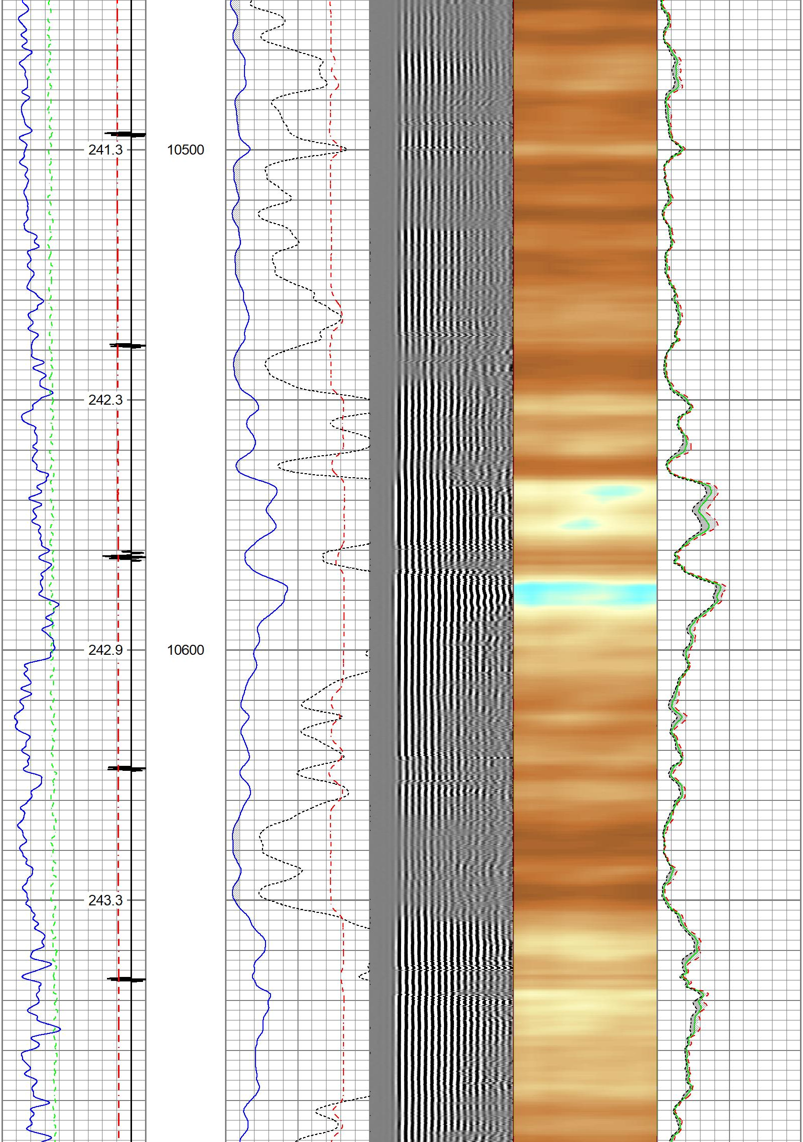


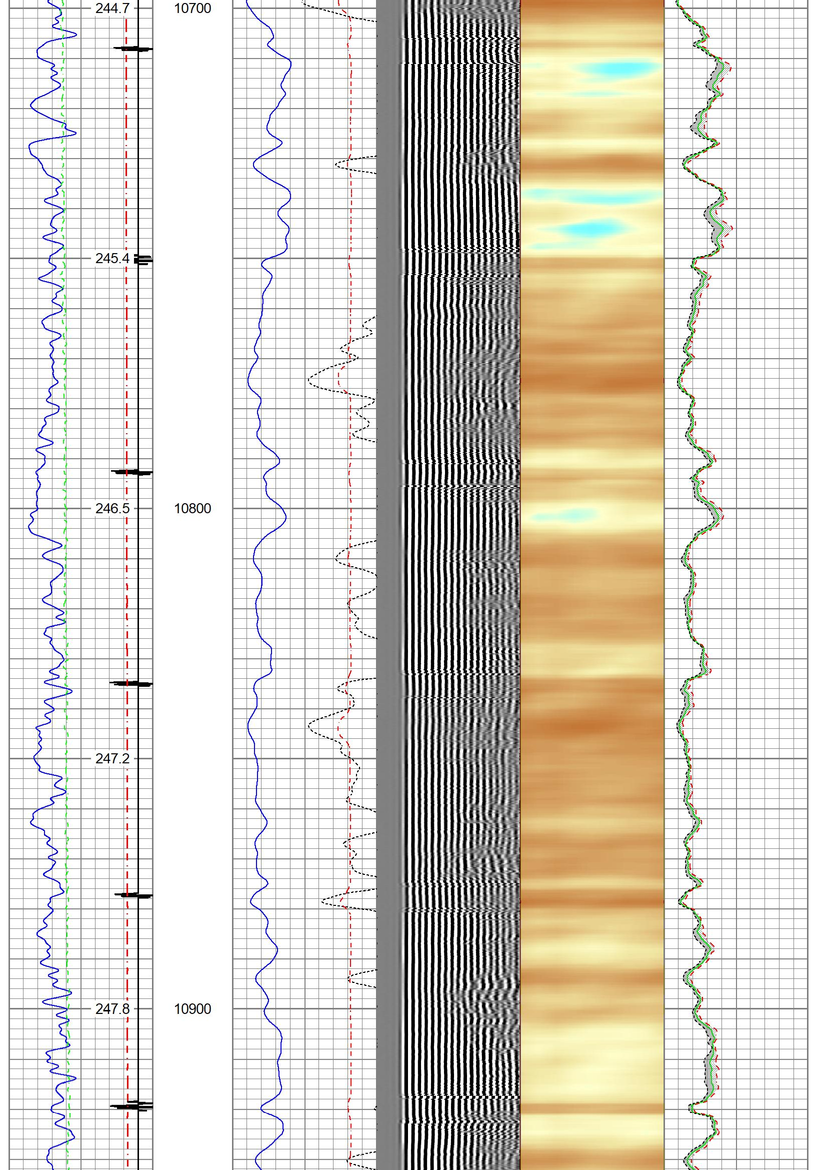


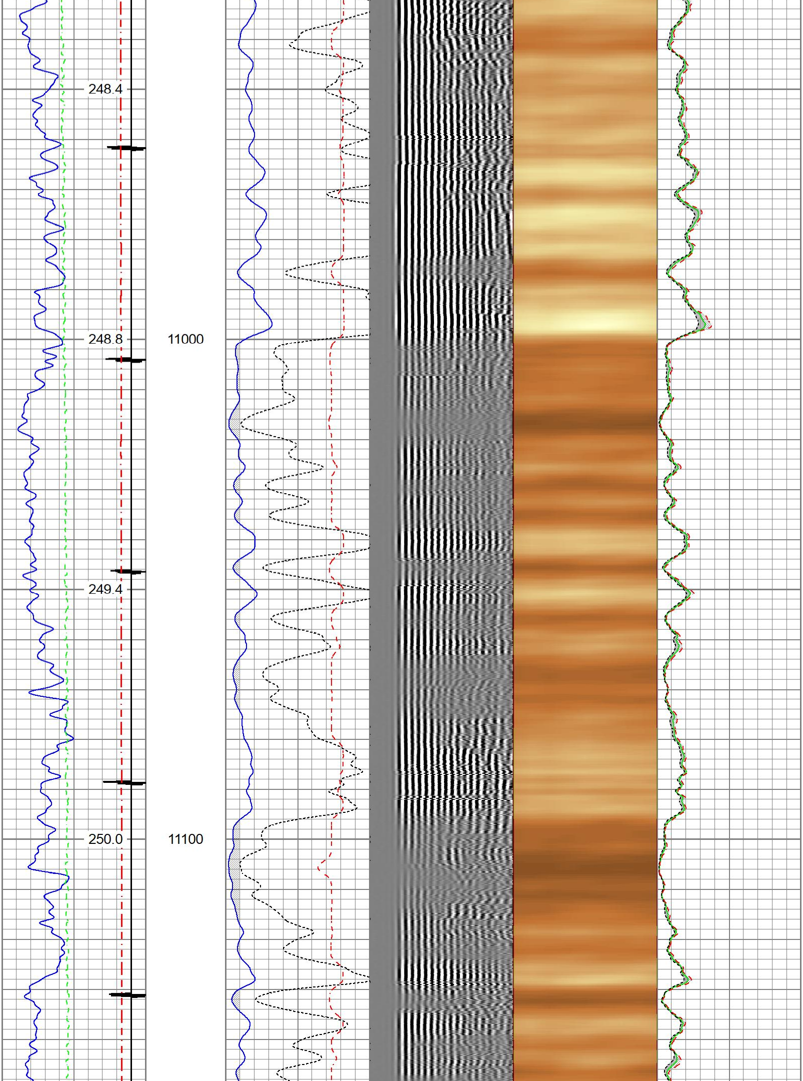


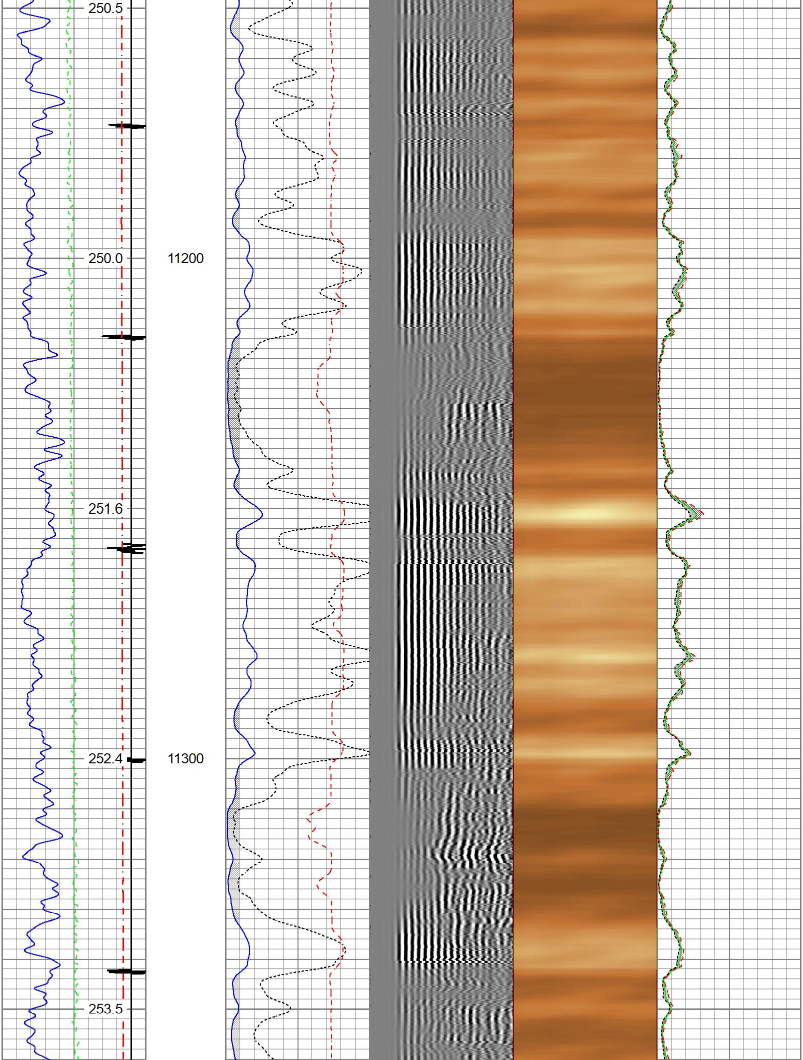


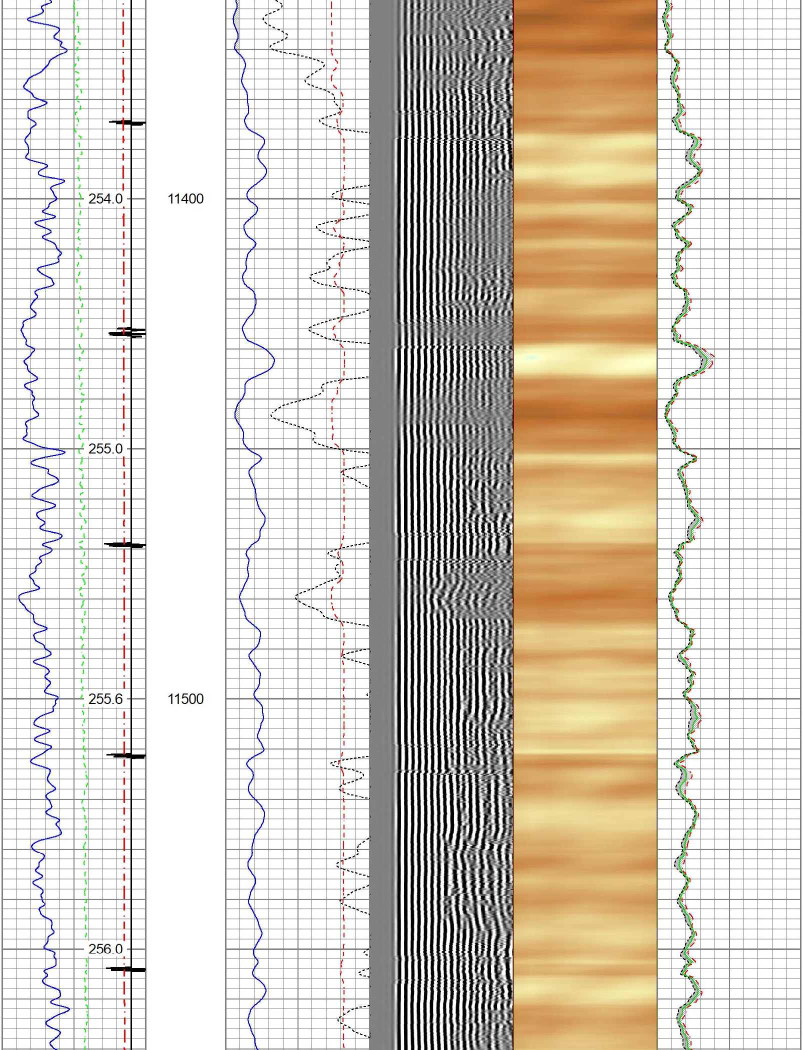


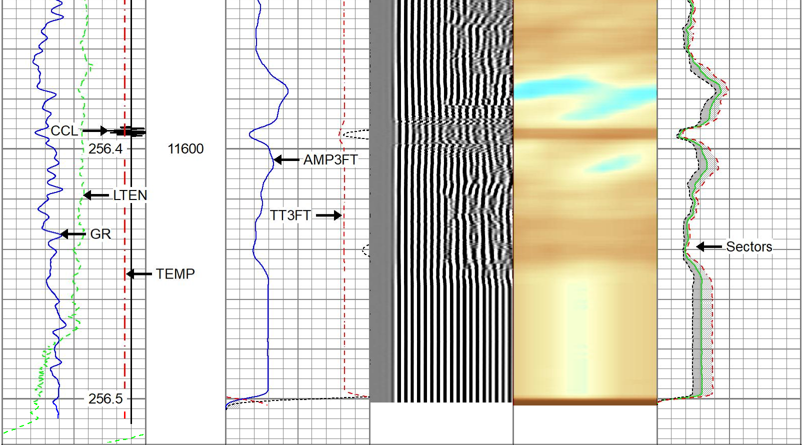












Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 150	0 (mV) 100	200 (usec) 1200		0 120
Line Tension	3' Amplitude x 5			Mimimum Amplitude
0 (lb) 2000	0 (mV) 20			0 120
-9 CCL$1 1	3' Travel Time			Maximum Amplitude
0 Temp (degF) 300	650 (usec) 150			0 120

THE WIRELINE GROUP

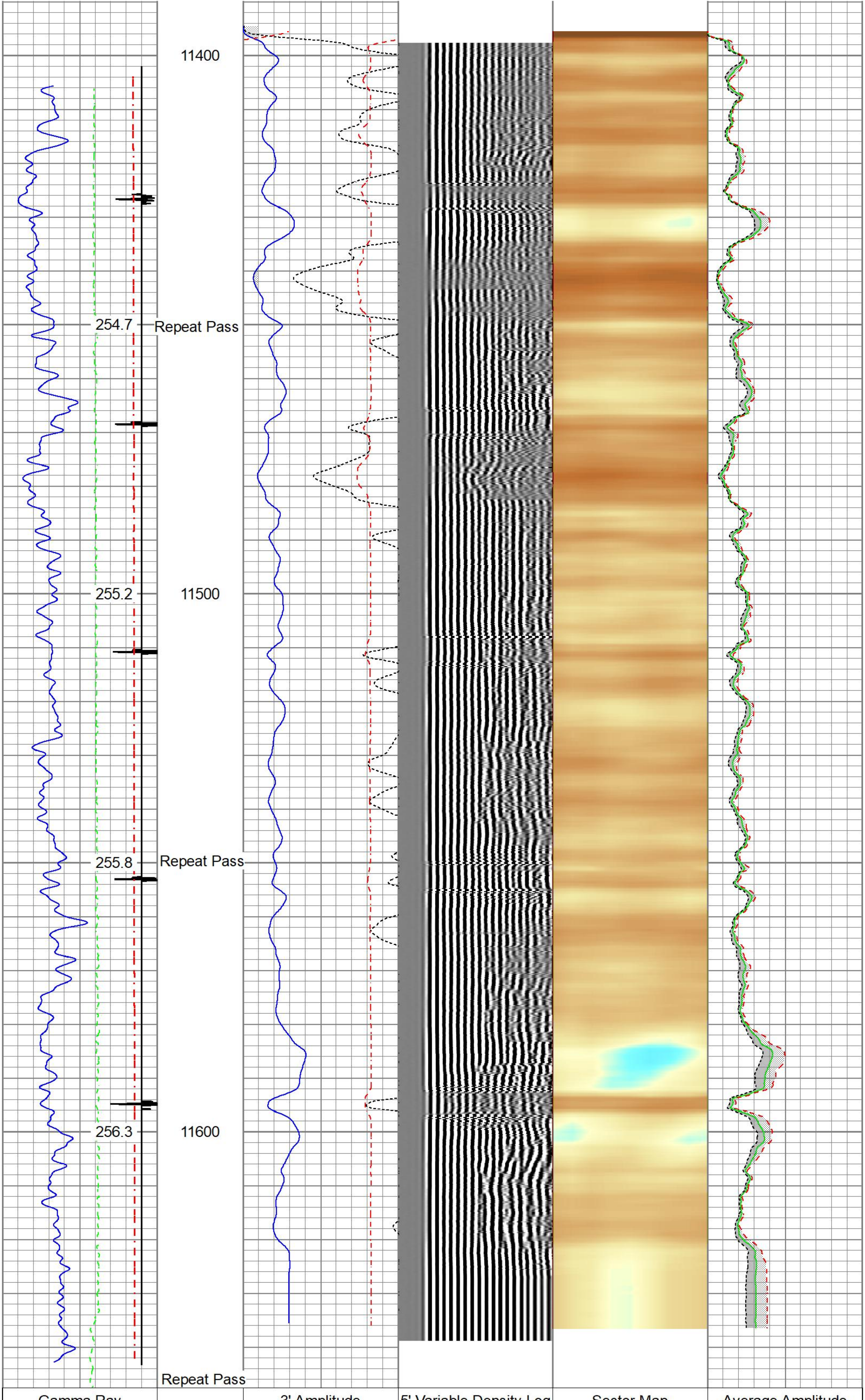
Repeat Pass 5"=100'

(0 PSI)

Database File tep_rg_321-24-298_rcbl\tep_rg_321-24-298_rcbl.db
Dataset Pathname repeat

Dataset Pathname repeat
Presentation Format twgrcbl
Dataset Creation Fri Jul 12 15:07:56 2024
Charted by Depth in Feet scaled 1:240

Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 150		0 (mV) 100	200 (usec) 1200		0 120
Line Tension		3' Amplitude x 5			Mimimum Amplitude
0 (lb) 2000		0 (mV) 20			0 120
-9 CCL$1 1		3' Travel Time			Maximum Amplitude
0 Temp (degF) 300		650 (usec) 150			0 120



Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 150		0 (mV) 100	200 (usec) 1200		0 120
Line Tension		3' Amplitude x 5			Mimimum Amplitude
0 (lb) 2000		0 (mV) 20			0 120
-9 CCL$1 1		3' Travel Time			Maximum Amplitude
0 Temp (degF) 300		650 (usec) 150			0 120

Calibration Report

Database File C:\ProgramData\Warrior\Data\tep_rg_321-24-298_rcbl\tep_rg_321-24-298_rcbl.db
Dataset Pathname merge1
Dataset Creation Fri Jul 12 16:48:27 2024

Gamma Ray Calibration Report

Serial Number:	FW1401-17	
Tool Model:	50-GCT275-0000	
Performed:	Thu May 2 14:09:05 2024	
Calibrator Value:	148.8	GAPI
Background Reading:	74.9	cps
Calibrator Reading:	301.0	cps
Sensitivity:	0.4079	GAPI/cps

Inclinometer Calibration Report

Performed: Fri Oct 20 14:22:50 2023

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-903.00	892.00	-1.00	1.00	gee
Y Accelerometer	-900.00	901.00	-1.00	1.00	gee
Z Accelerometer	6.33	-897.73	0.00	1.00	gee

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1809-098	
Tool Model:	Probe275acc	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	61.950	ft

Master Calibration, performed Fri Jul 12 14:27:35 2024:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	0.745	0.250	81.196	108.773	0.123
CAL	-0.000	0.726				
5'	0.001	0.727	0.250	81.196	111.458	0.193
SUM						
S1	0.002	0.781	0.000	100.000	128.307	-0.271
S2	0.001	0.740	0.000	100.000	135.450	-0.172
S3	0.001	0.775	0.000	100.000	129.268	-0.181
S4	0.001	0.764	0.000	100.000	131.064	-0.160
S5	0.001	0.766	0.000	100.000	130.604	-0.107
S6	0.002	0.770	0.000	100.000	130.197	-0.203
S7	0.001	0.773	0.000	100.000	129.569	-0.163
S8	0.001	0.764	0.000	100.000	131.154	-0.176

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.000	0.726	1.000	0.000

Air Zero Calibration, performed Fri Jul 12 14:26:48 2024:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Inclinometer Calibration Report

Performed: (Not Performed)

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Sensor	Offset (ft)
GCT_FMWR	14.77
mSec_Count	14.77
RBT_Status	14.77
Error_Ct	14.77
WVFS8	9.27
WVFS7	9.27
WVFS6	9.27
WVFS5	9.27
WVFS4	9.27
WVFS3	9.27
WVFS2	9.27
WVFS1	9.27
WVF3FT	9.27
WVF5FT	8.27
RBT_ACCZ	5.02
RBT_ACCY	5.02
RBT_ACCX	5.02
WVFSYNC	5.02
WVFCAL	5.02
GCT_HV	5.01
CCL$2	4.06
CCL$1	4.06
GCT_Temp	3.51
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GCT_IntTemp	1.92
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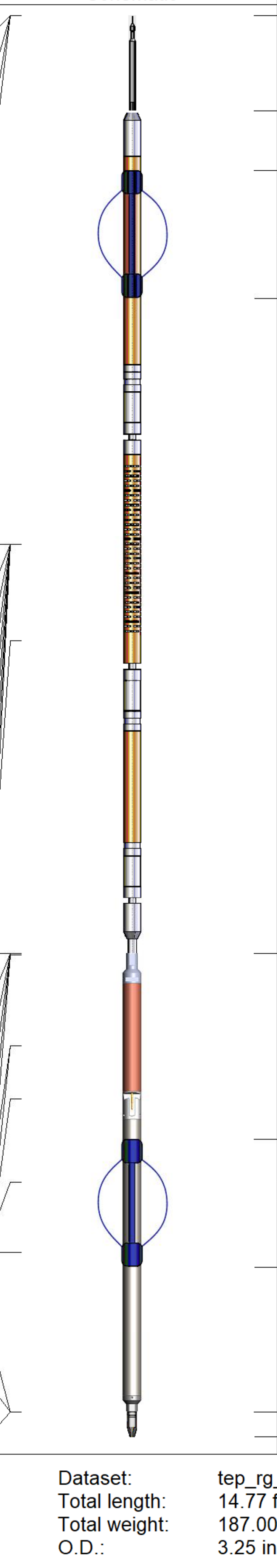
GCT_ACCY	0.25
GCT_ACCX	0.25

Schematic



Description	Length (ft)	O.D. (in)	Weight (lb
Cable-Head-Titan 1 7/16" Cable Head	1.00	1.44	1.00
SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
RBT8acc-Probe275acc (FW1809-098) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
GCT_acc-50-GCT275-0000 (FW1401-17) Probe 2.75" Gamma Ray - CCL w/Temp (Single Pin)	4.77	2.75	55.00
SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
GO BN-14375 GO 1-7/16" Bull Nose with Go Box Top	0.25	1.44	1.00

Dataset: tep_rg_321-24-298_rcbl.db: field/well/run1/merge1
Total length: 14.77 ft
Total weight: 187.00 lb
O.D.: 3.25 in

Company	TEP Rocky Mountain LLC
Well	Federal #RG 321-24-298
Field	Sulfer Creek
County	Rio Blanco
State	Colorado

THE WIRELINE GROUP

Radial Cement Bond
Gamma Ray
Casing Collar Log