SureFire Wireline West LLC

Cement Bond Log
Gamma Ray
CCL

Company Crestone Peak Resources
Well Prosper Farms 4-65 2-1-6 3AH
Field DJ Horizontal Niobrara
County Arapahoe
State CO Country USA

Company	Crestone Peak Resources
Well	Prosper Farms 4-65 2-1-6 3AH
Field	DJ Horizontal Niobrara
County	Arapahoe
State	CO
Country	USA

Location: API # : 05-005-07516

NW / SW

SEC 2 TWP 4S RGE 65W

Other Services

Permanent Datum Elevation 5631'
Log Measured From
Drilling Measured From

Elevation
K.B. 5656'
D.F. 5655'
G.L. 5631'

Date	April 20, 2023		
Run Number	1		
Depth Driller	23,675'		
Depth Logger	8000'		
Bottom Logged Interval	8000'-0'		
Top Log Interval	Surface		
Open Hole Size	8-1/2"		
Type Fluid	water		
Density / Viscosity			
Max. Recorded Temp.	242° F		
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	806		
Location			
Recorded By	Meisner		
Witnessed By	M. Porras		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9-5/8"	36 Lbs.	0'	3235'
Prot. String				
Production String	5-1/2"	17 Lbs.	0'	23,675'
Liner				

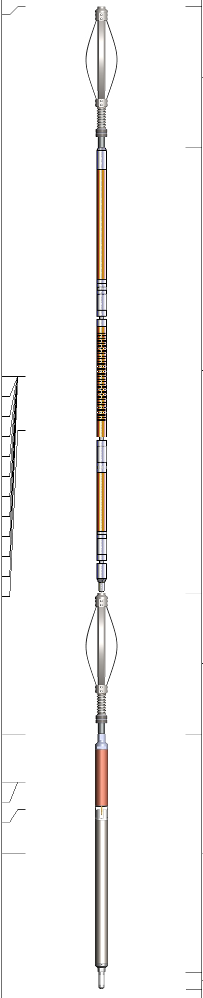
<<< Fold Here >>>

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

<NORTH> O O O O O O O O X O O <SOUTH>

X = Prosper Farms 4-65 2-1-6 3AH

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
ErrCt	19.69					
			CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
WVFSYNC	12.27		RBT-Probe (FW1905-052) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	
WVFS8	12.27					
WVFS7	12.27					
WVFS6	12.27					
WVFS5	12.27					
WVFS4	12.27					
WVFS3	12.27					
WVFS2	12.27					
WVFS1	12.27					
WVFCAL	12.27					
WVF3FT	12.27					
WVF5FT	11.19					
			CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
GCT_HV	5.10					
CCL$2	4.14					
CCL$1	4.14					
GCT_Temp	3.59					
GR	2.72		GC-GCT275-0000 (FW1905-143) Probe Gamma Ray - CCL w/ Temp	4.77	2.75	55.00
			Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00

Dataset:	civpf4652163ah.db: field/well/run1/pass2
Total length:	19.69 ft
Total weight:	104.00 lb
O.D.:	2.75 in

Database File	civpf4652163ah.db
Dataset Pathname	pass2
Presentation Format	civitas1
Dataset Creation	Thu Apr 20 13:11:37 2023
Charted by	Depth in Feet scaled 1:240

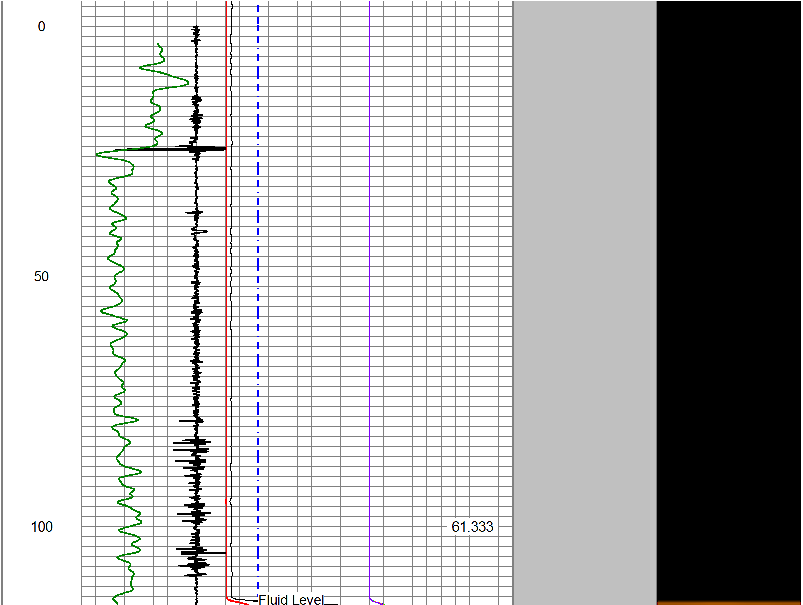
20 CCL$1 -5
0 GR (GAPI) 150

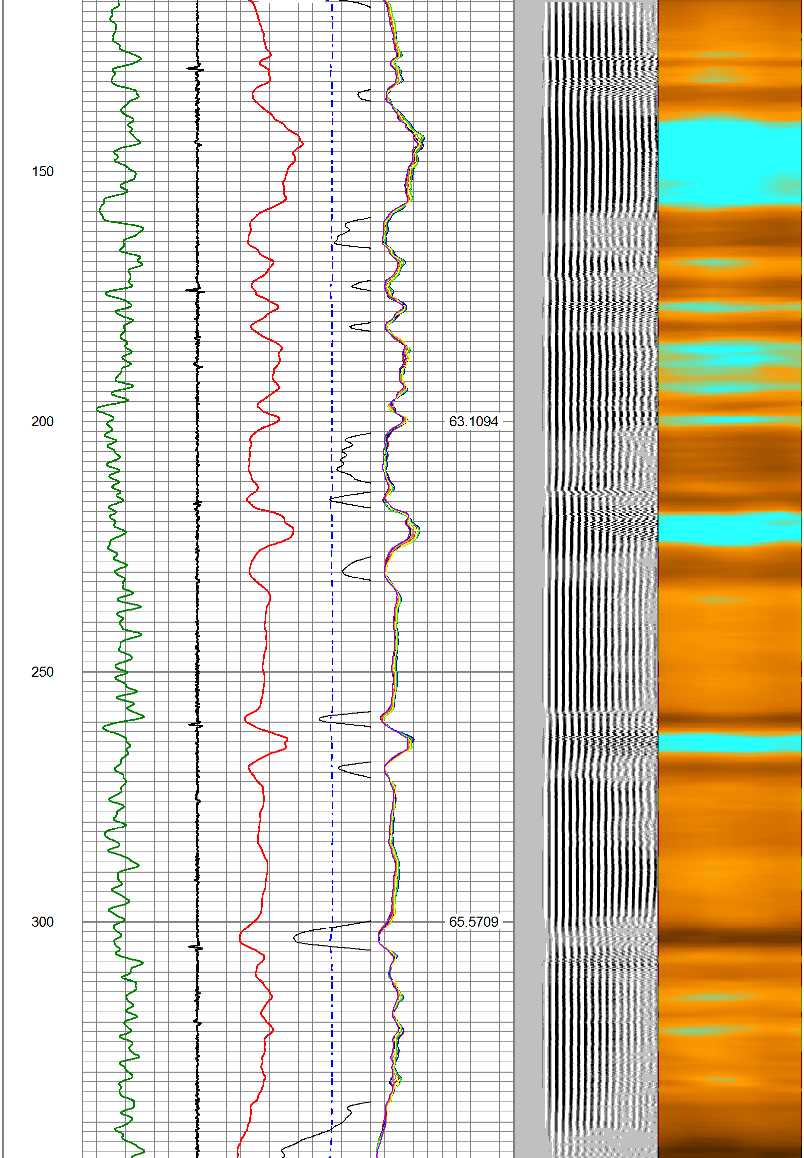
0 AMP (mV) 100
650 TT (usec) 150
0 AMPx5 (mV) 20

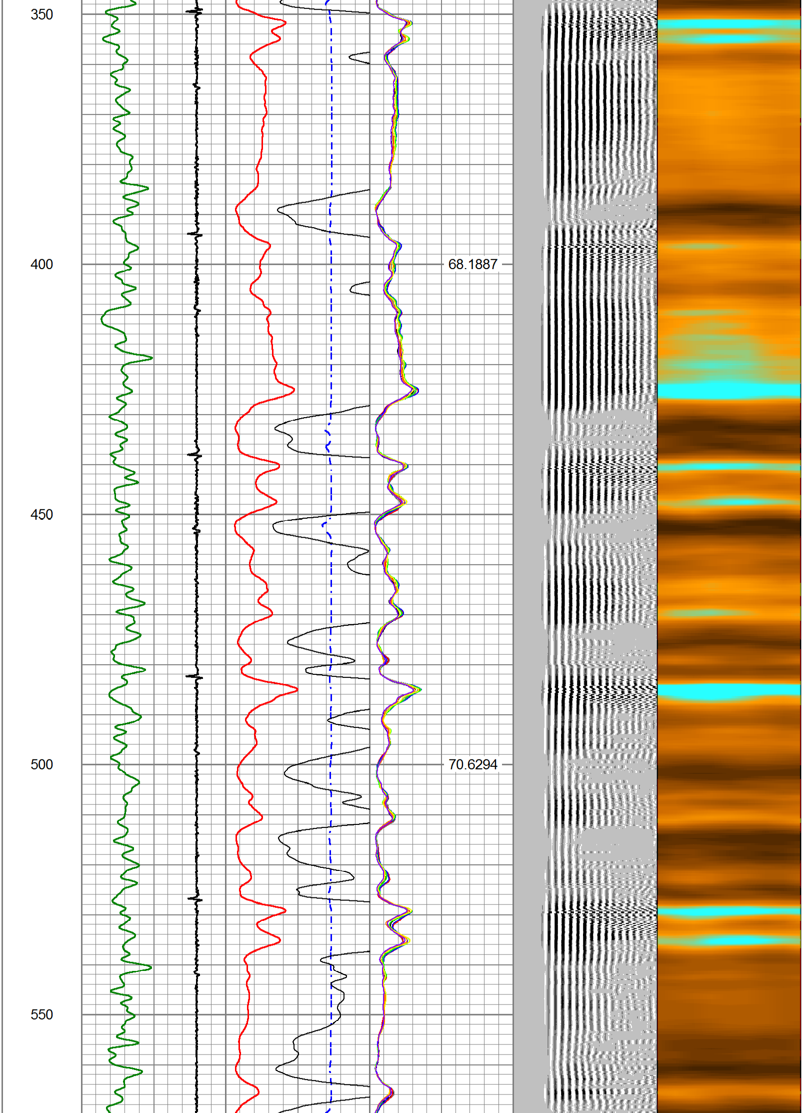
0 AMPS1 150
0 AMPS2 150
0 AMPS3 150
0 AMPS4 150
0 AMPS5 150
0 AMPS6 150
0 AMPS7 150
0 AMPS8 150
GCT_Temp (degF)

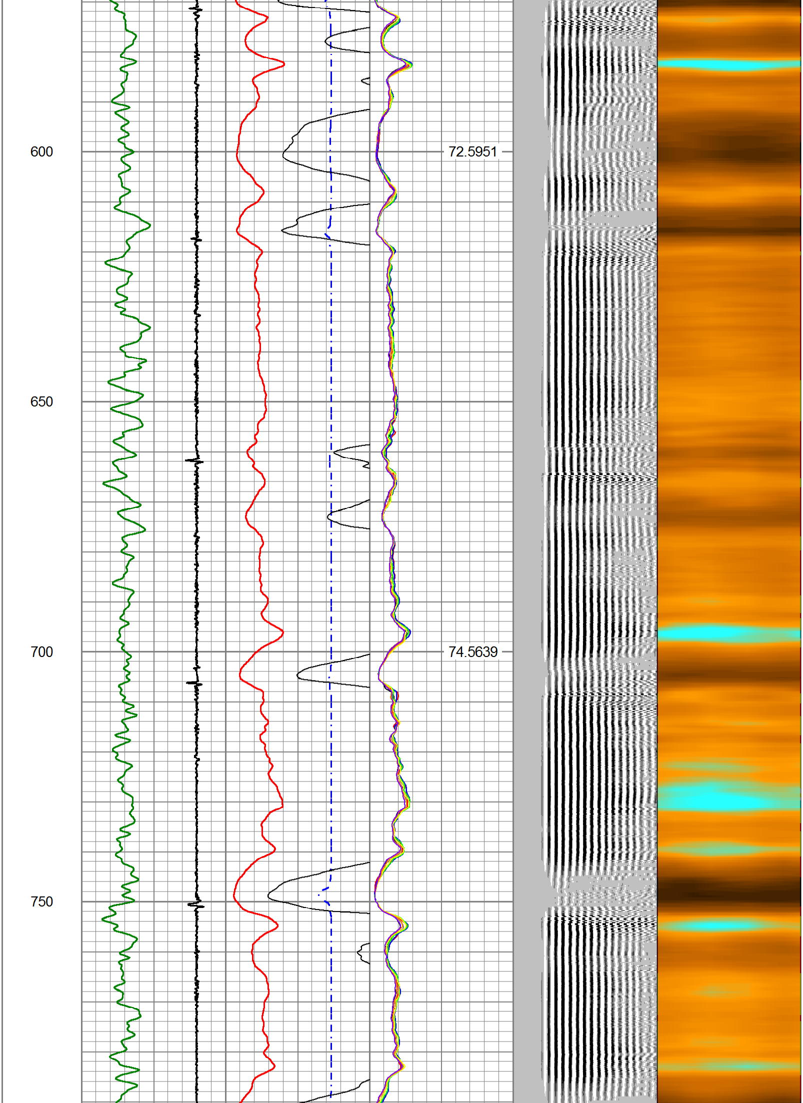
200 VDL (usec) 1200

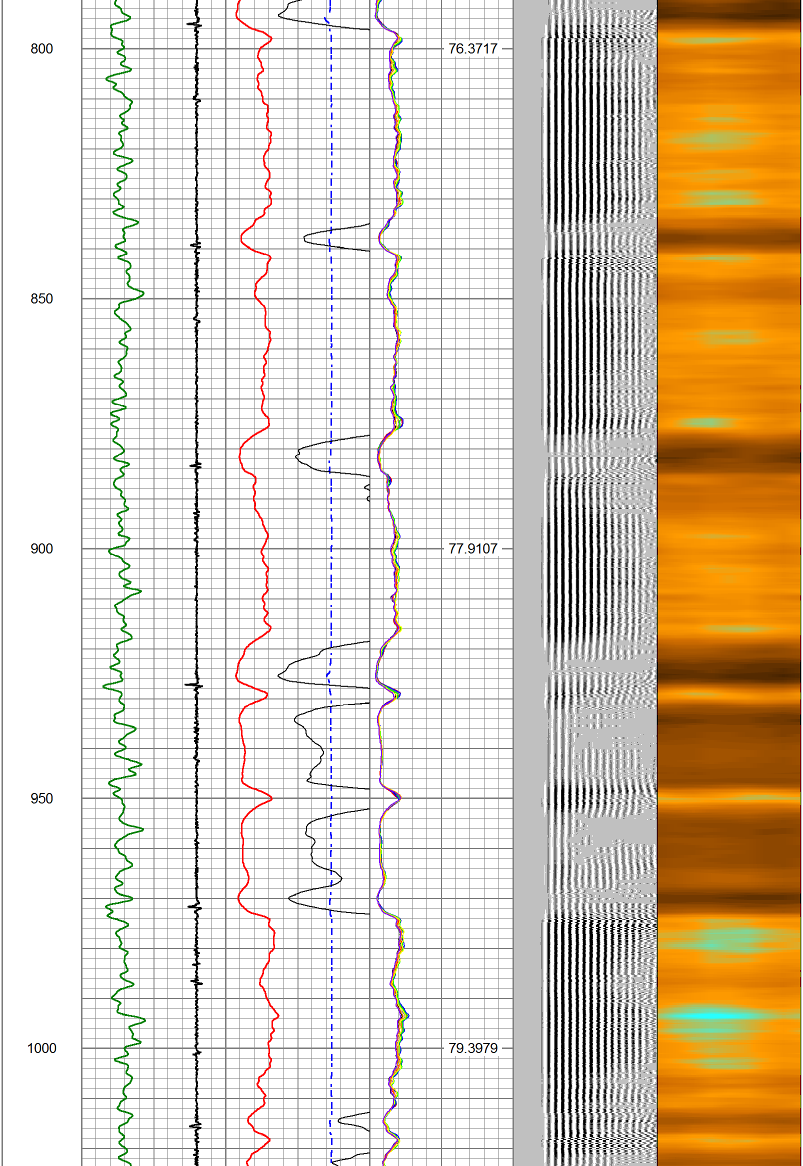
1 RADIAL MAP 8

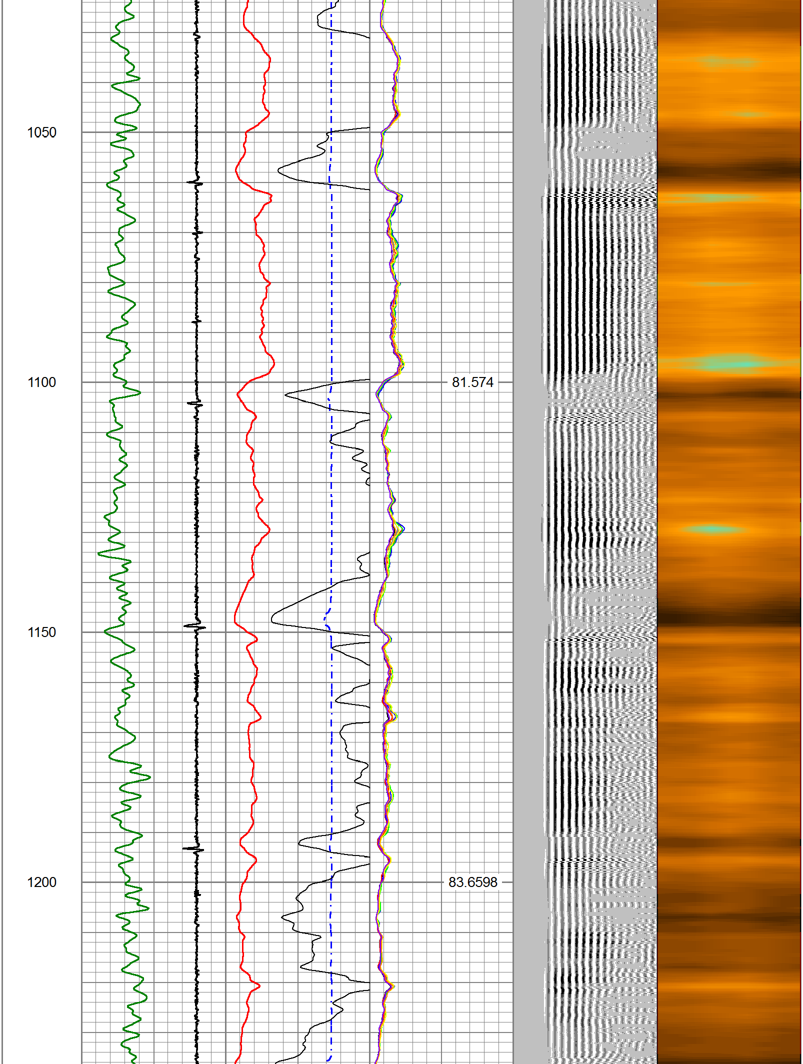


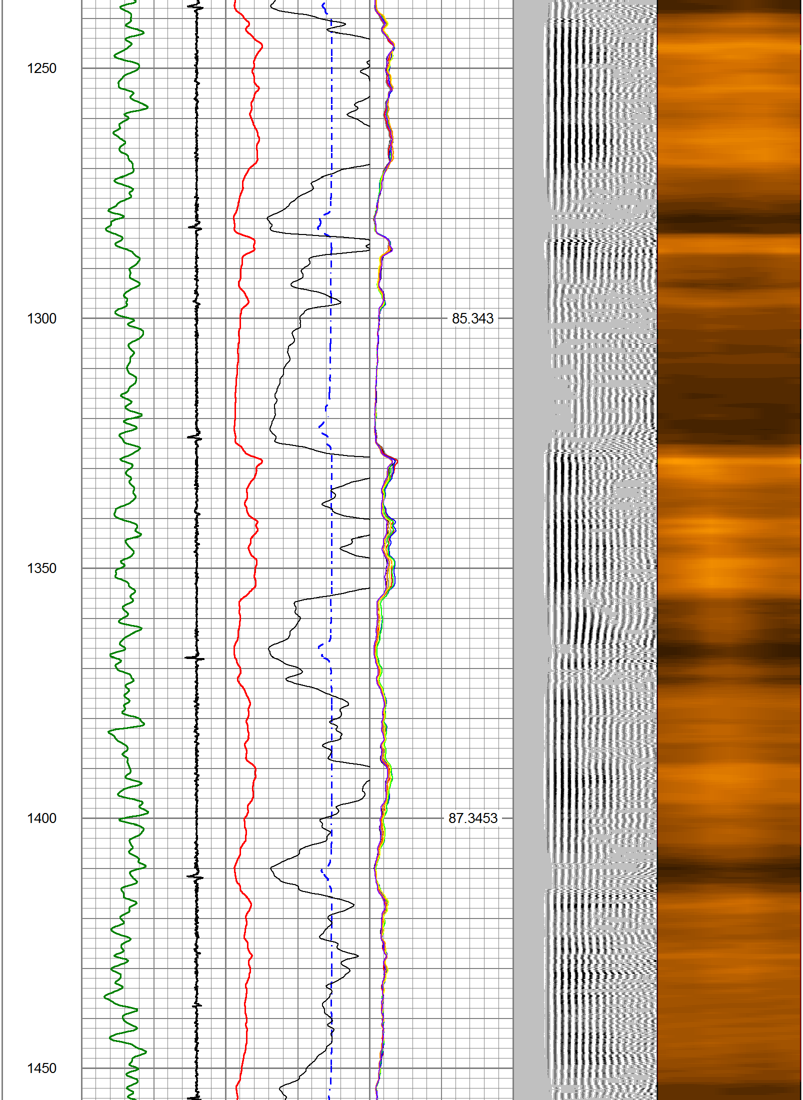


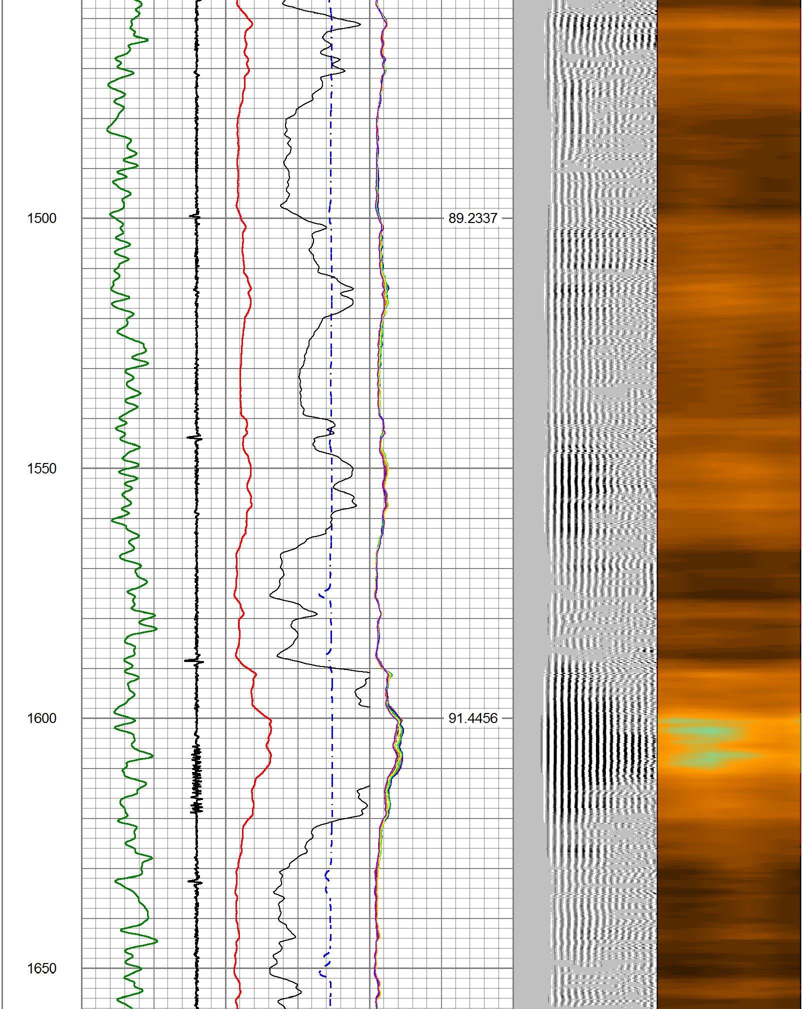


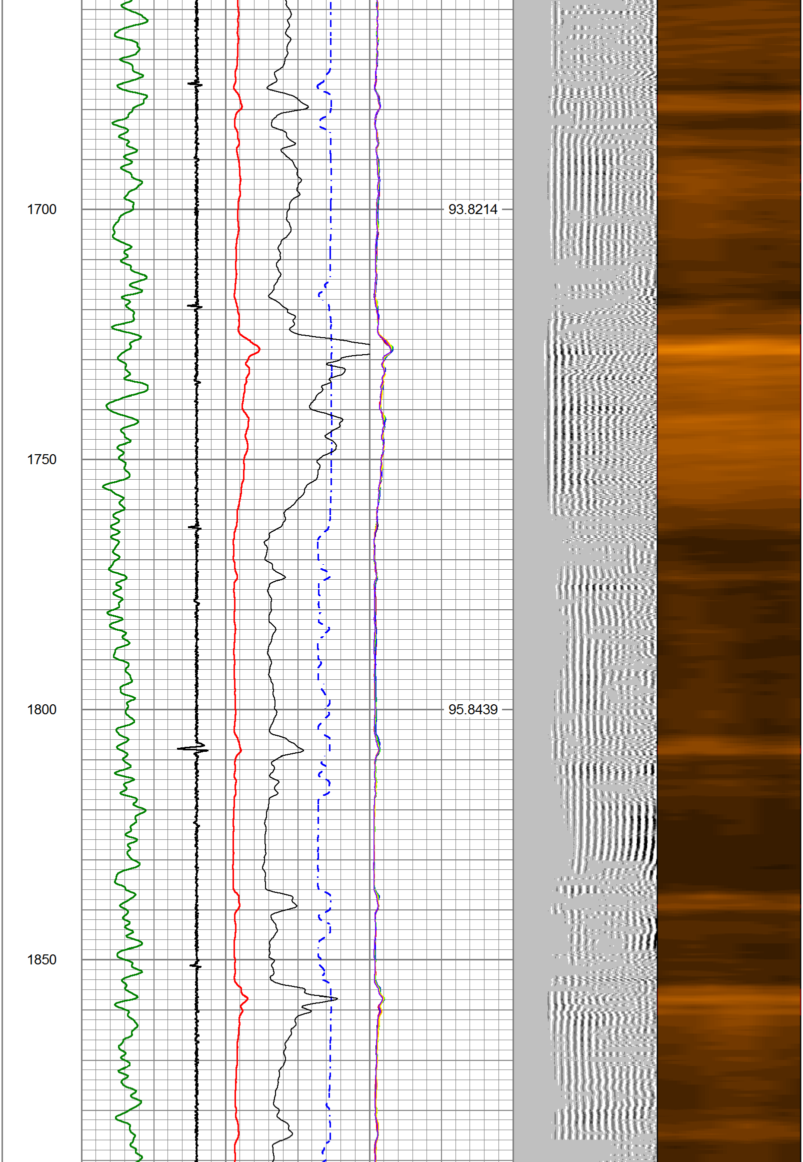


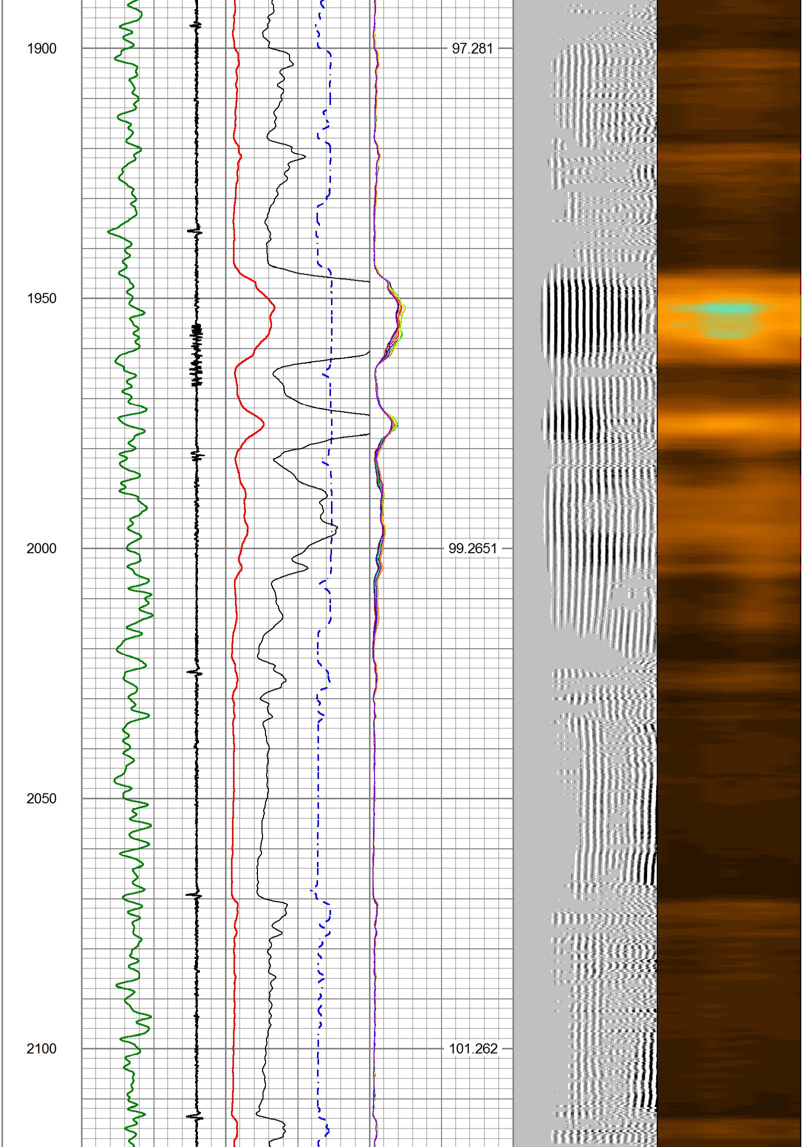


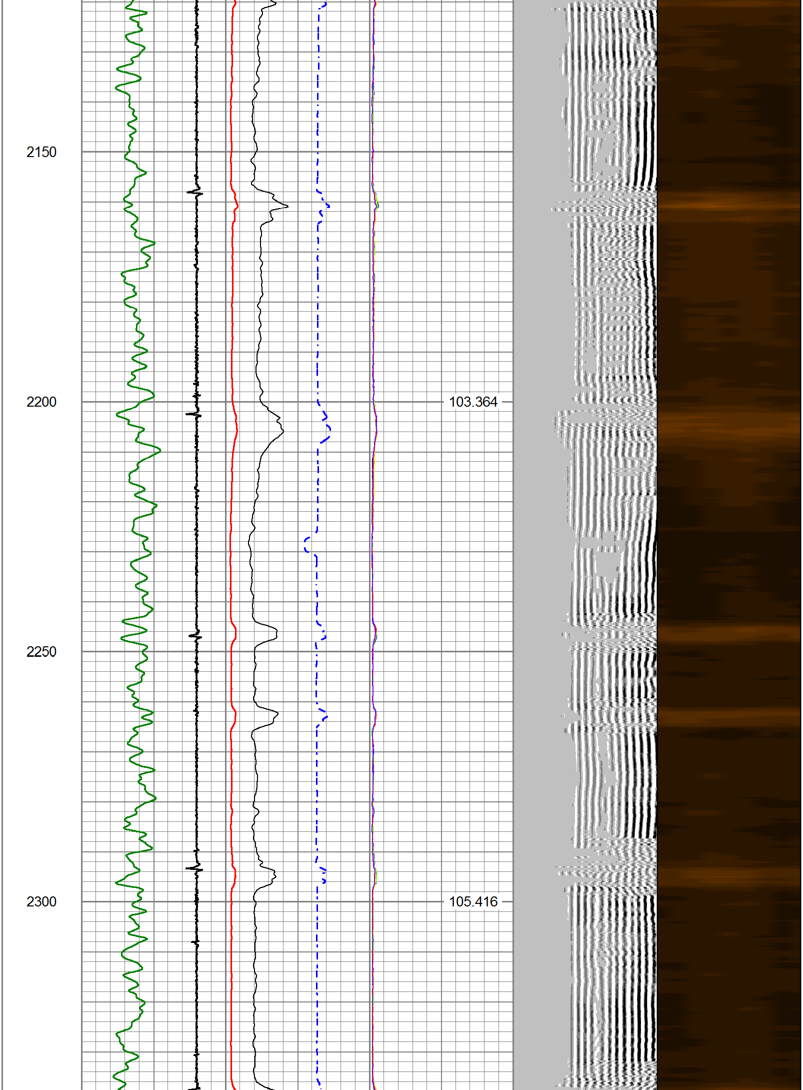


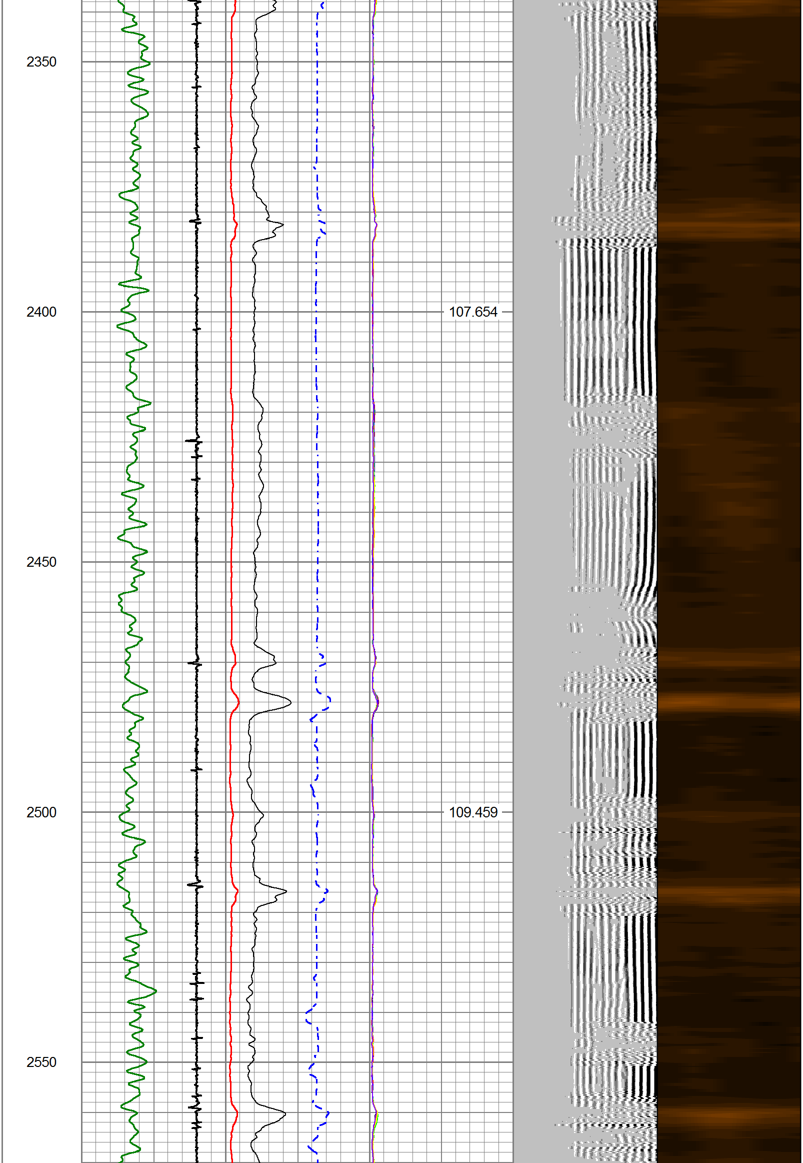


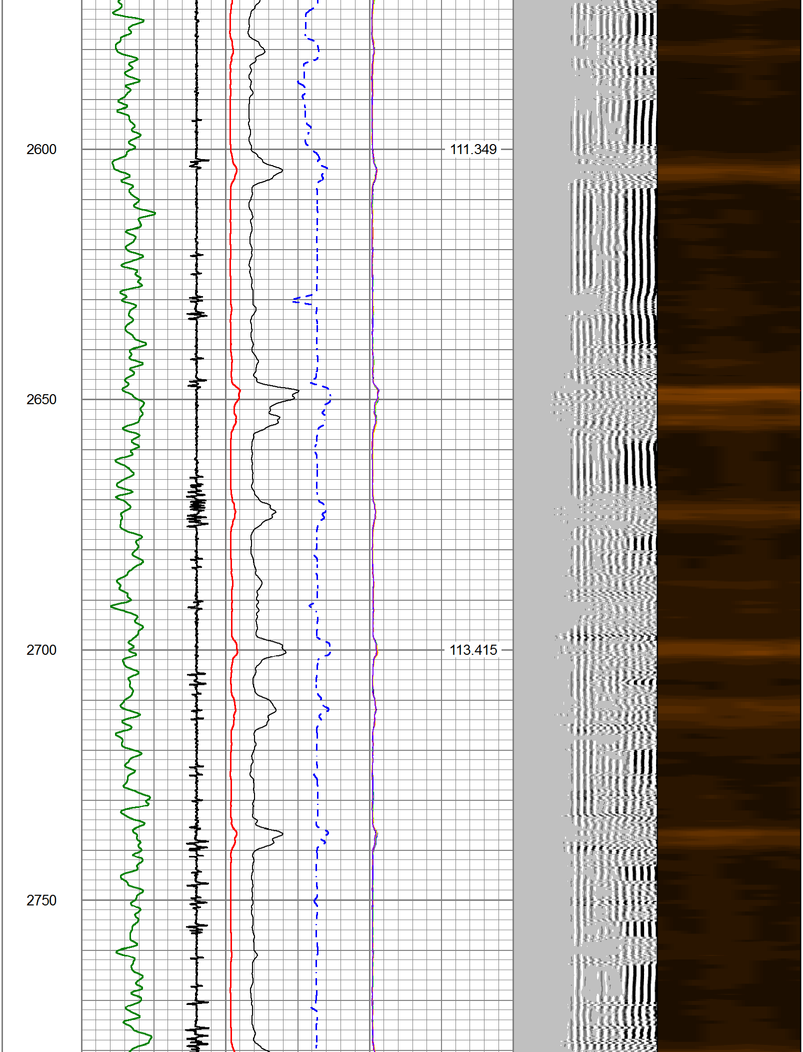


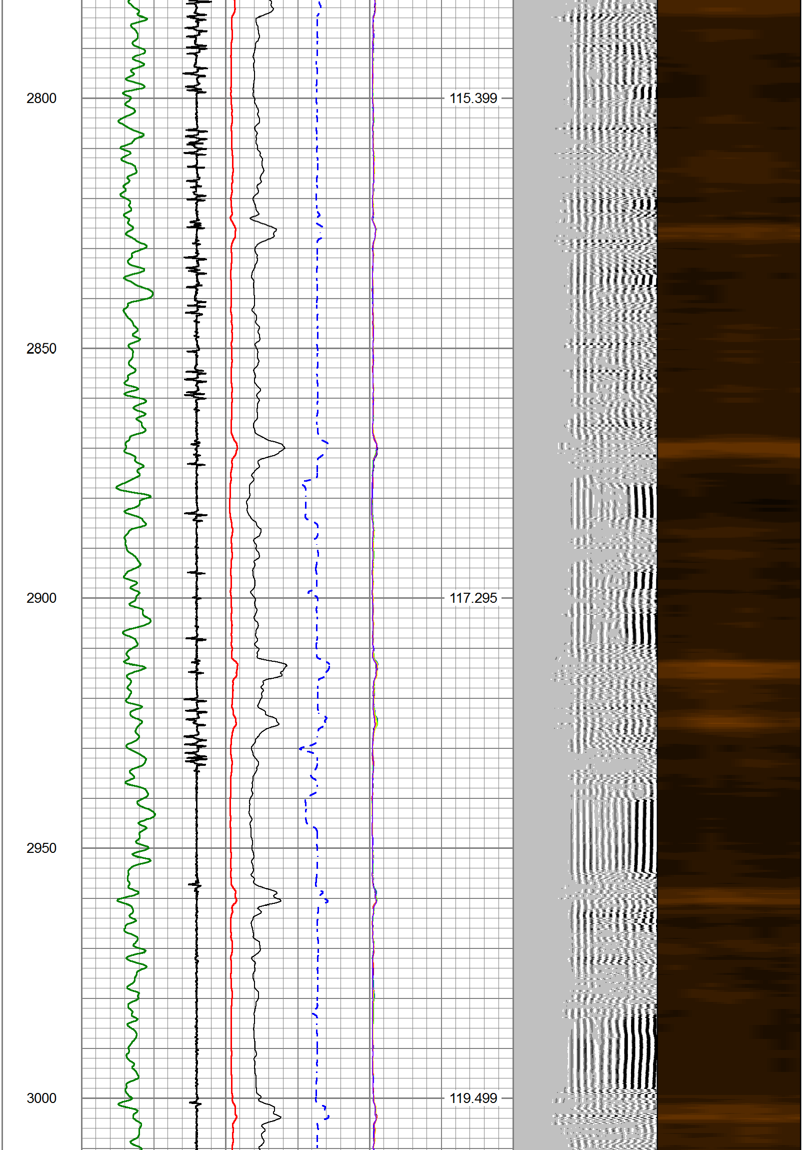


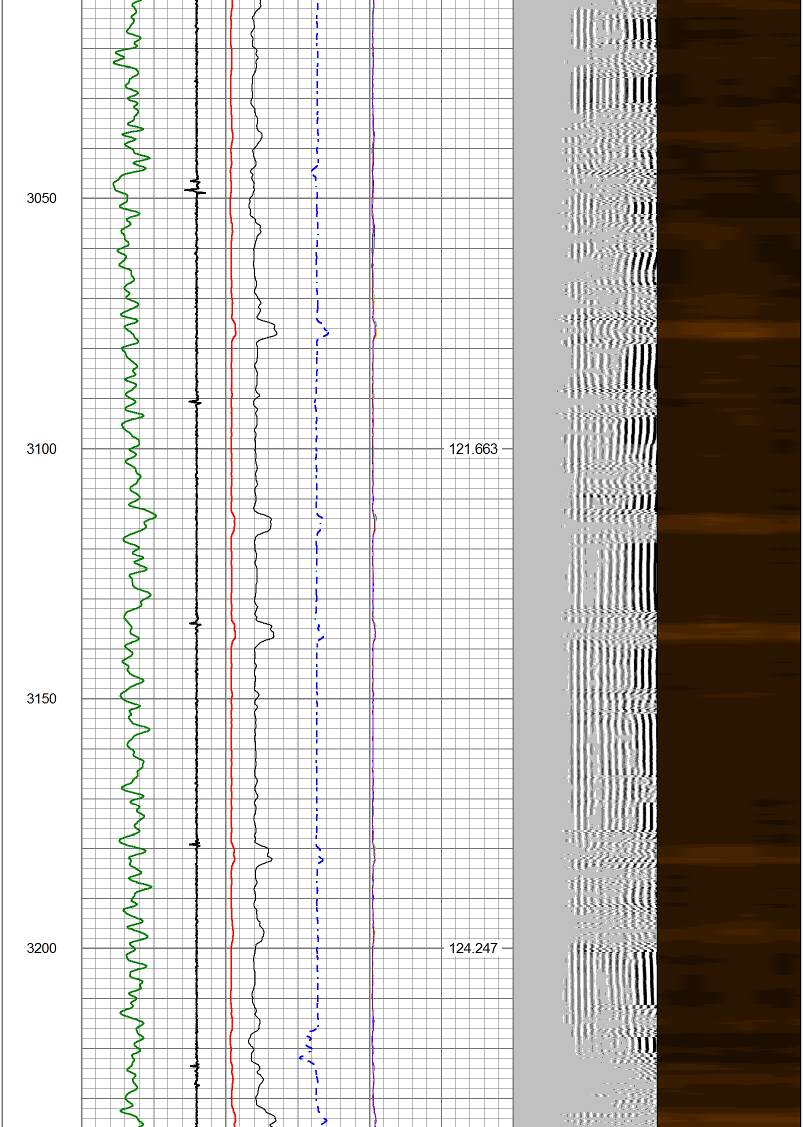


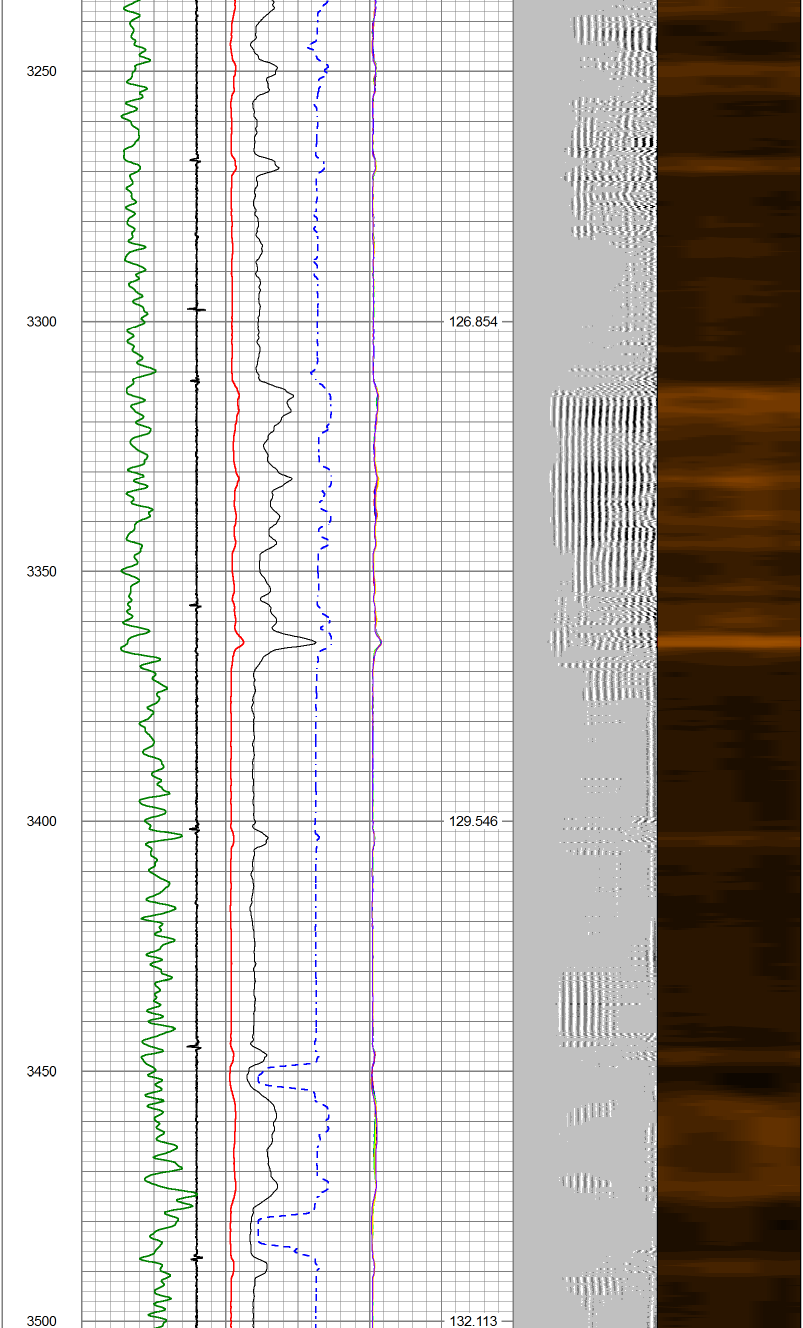


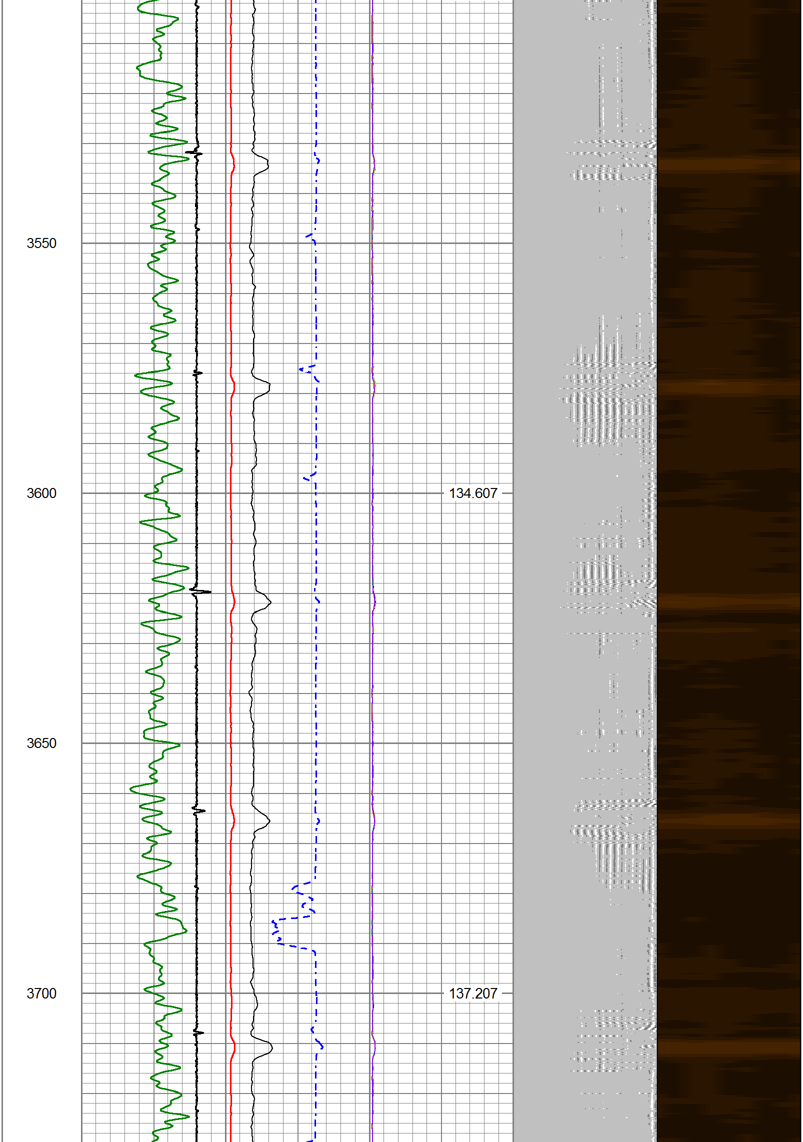








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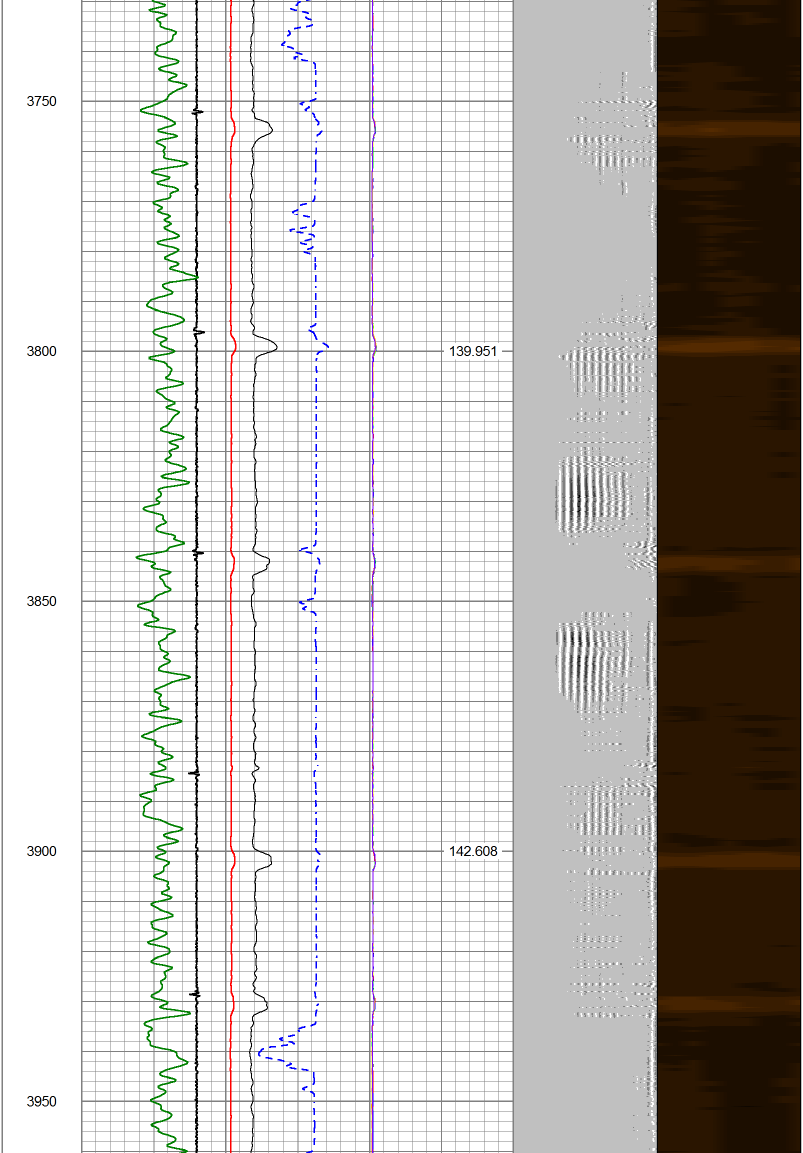
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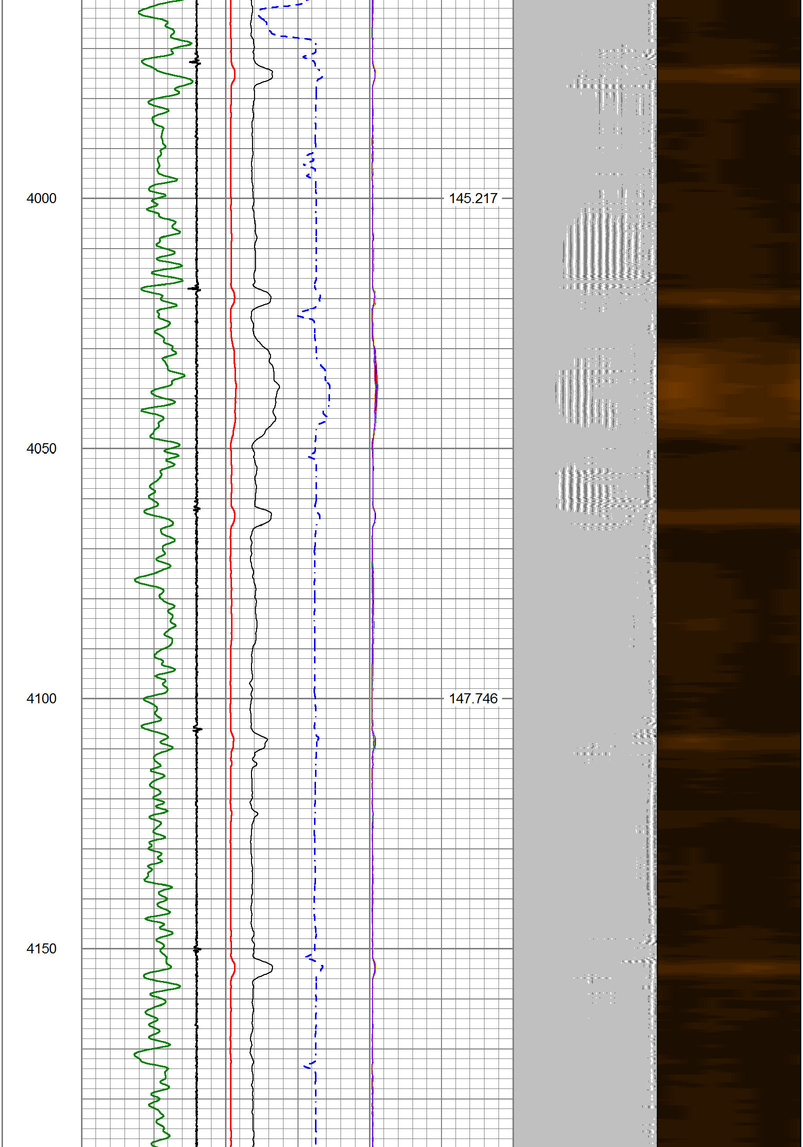
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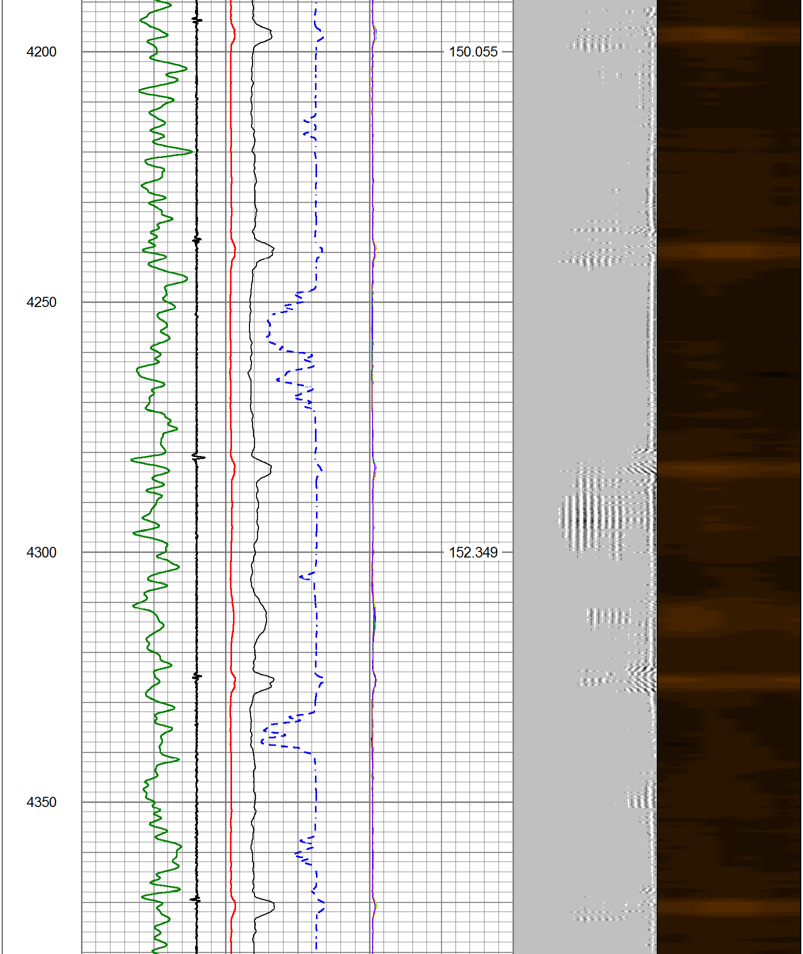
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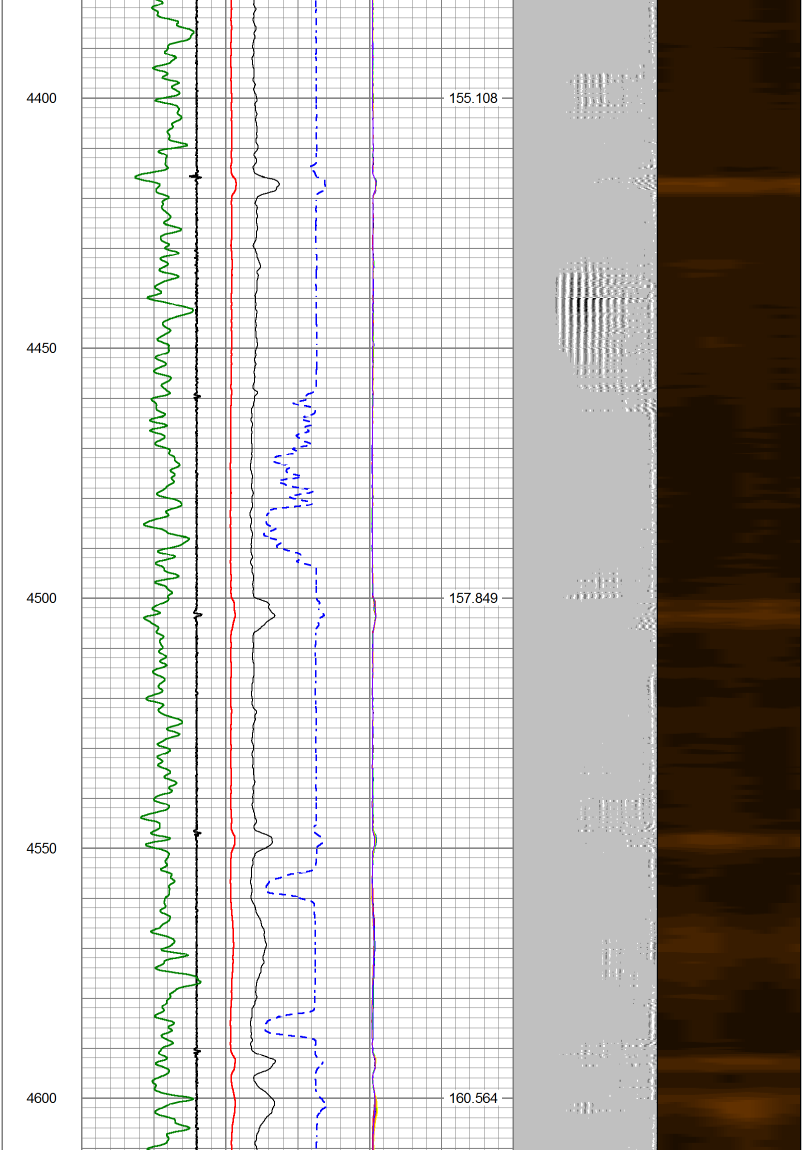
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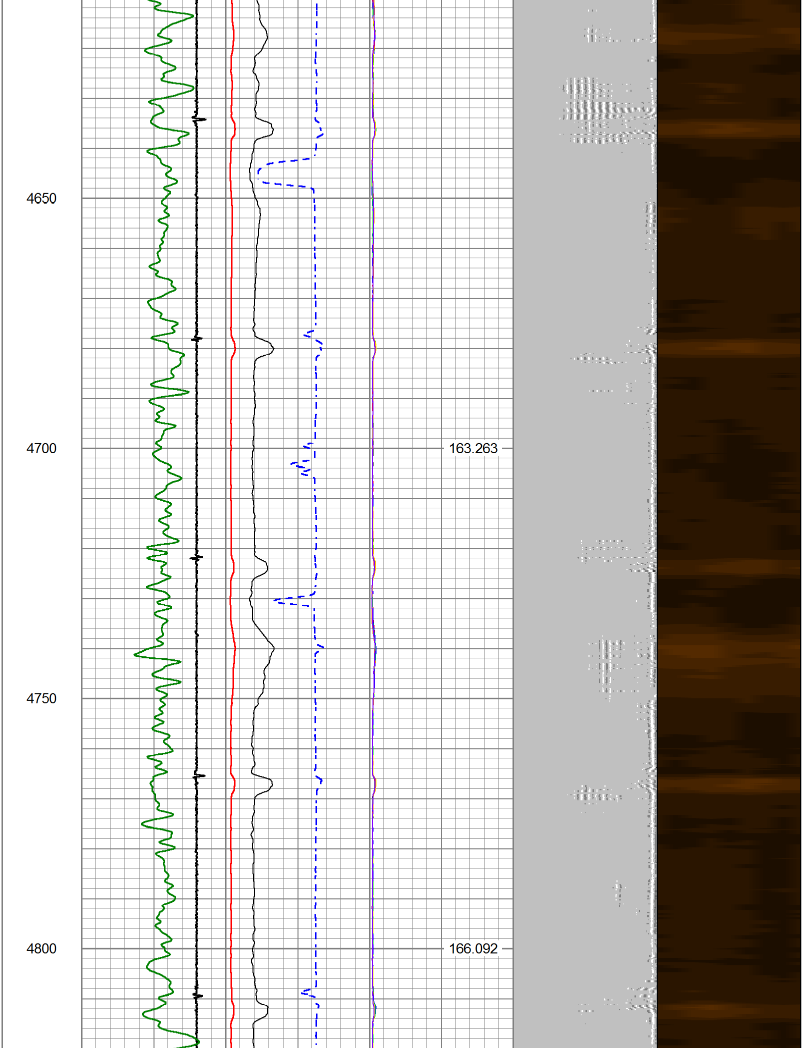
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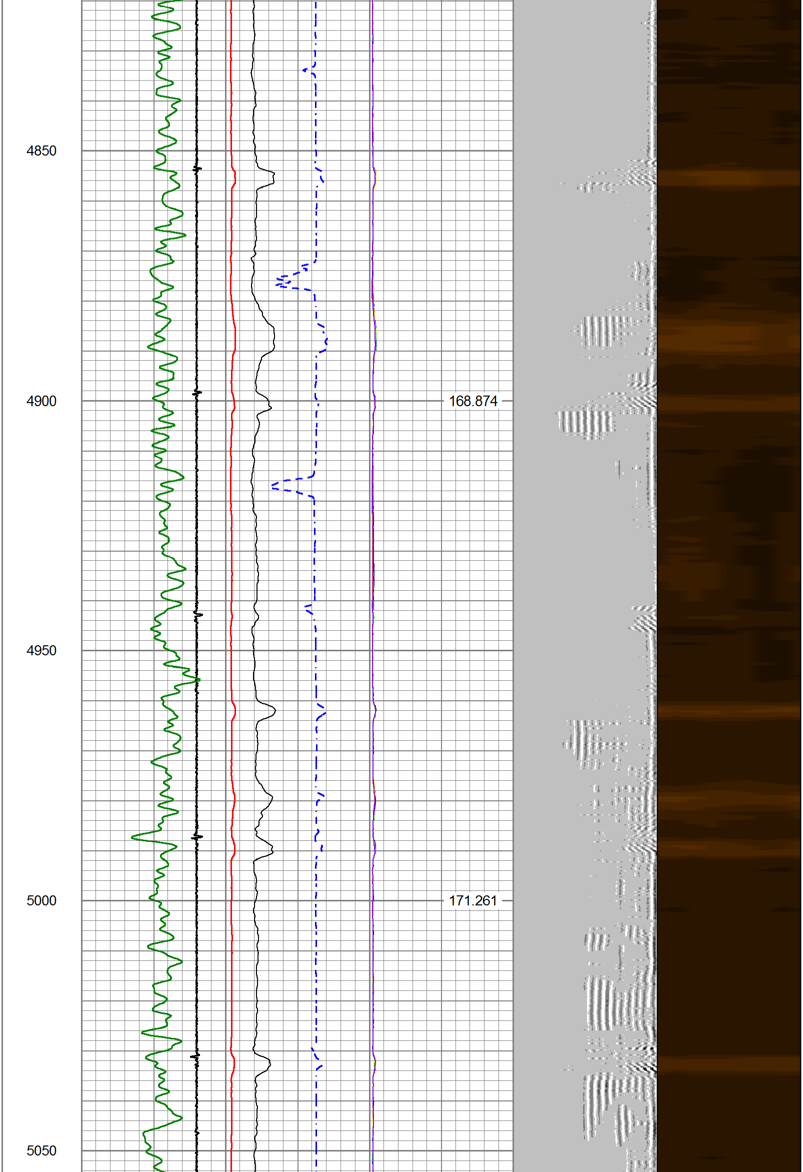
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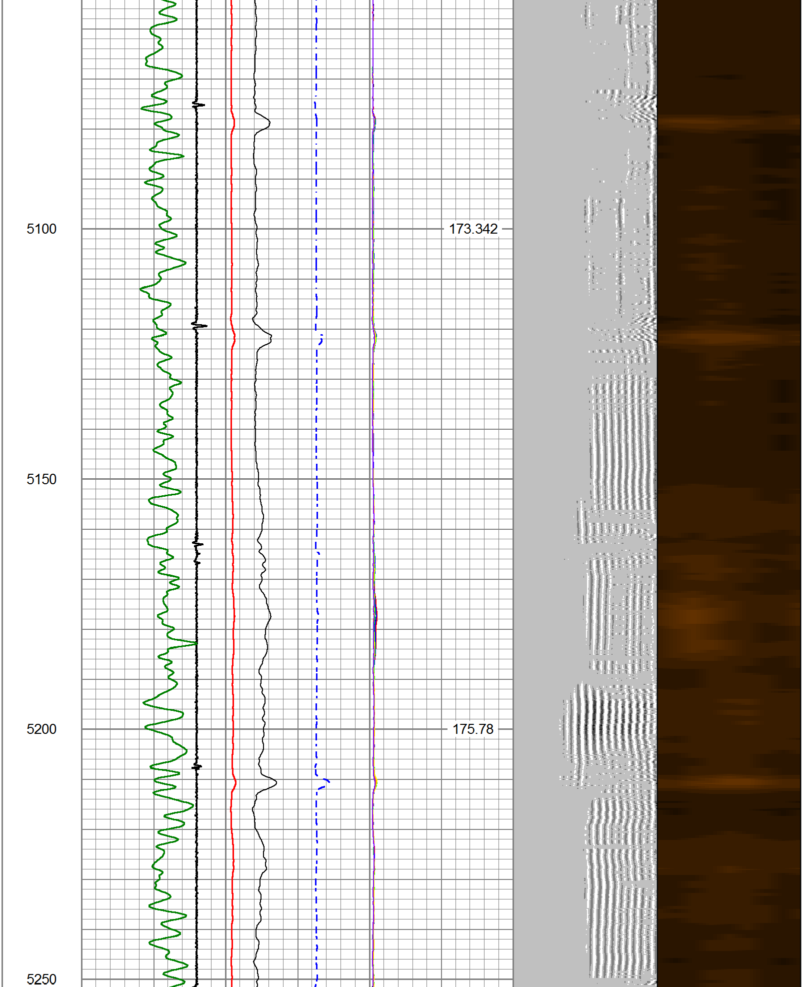
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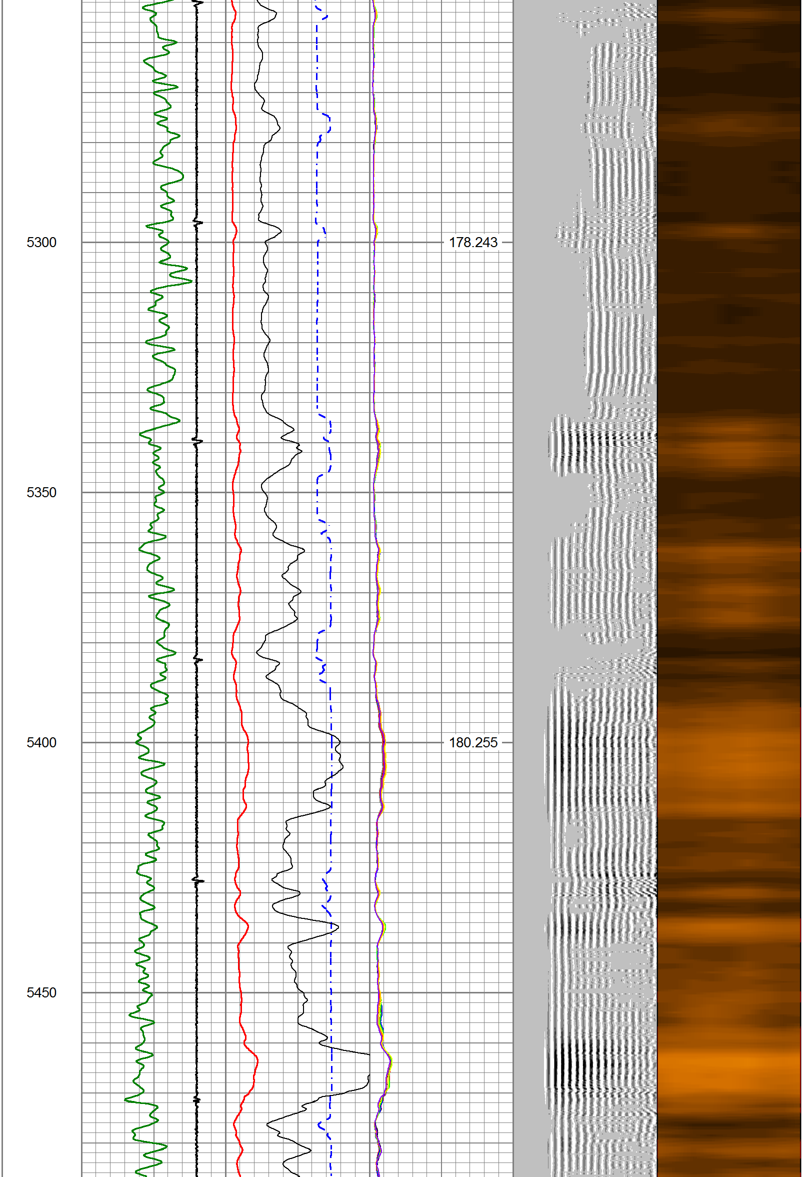
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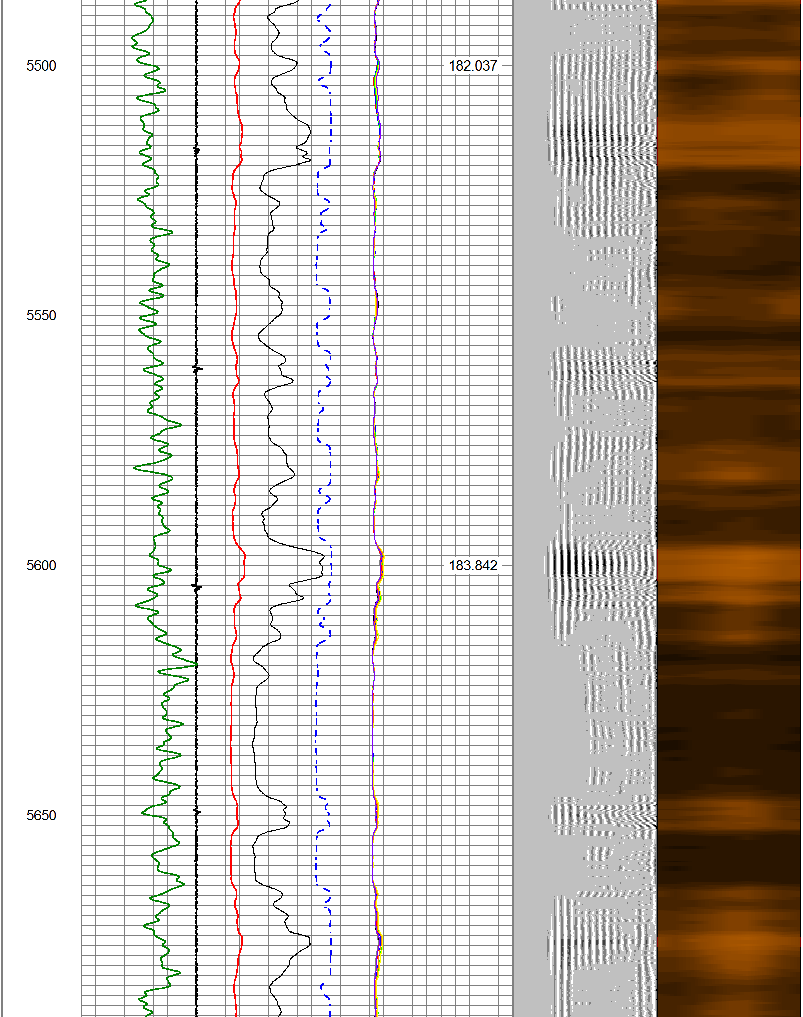
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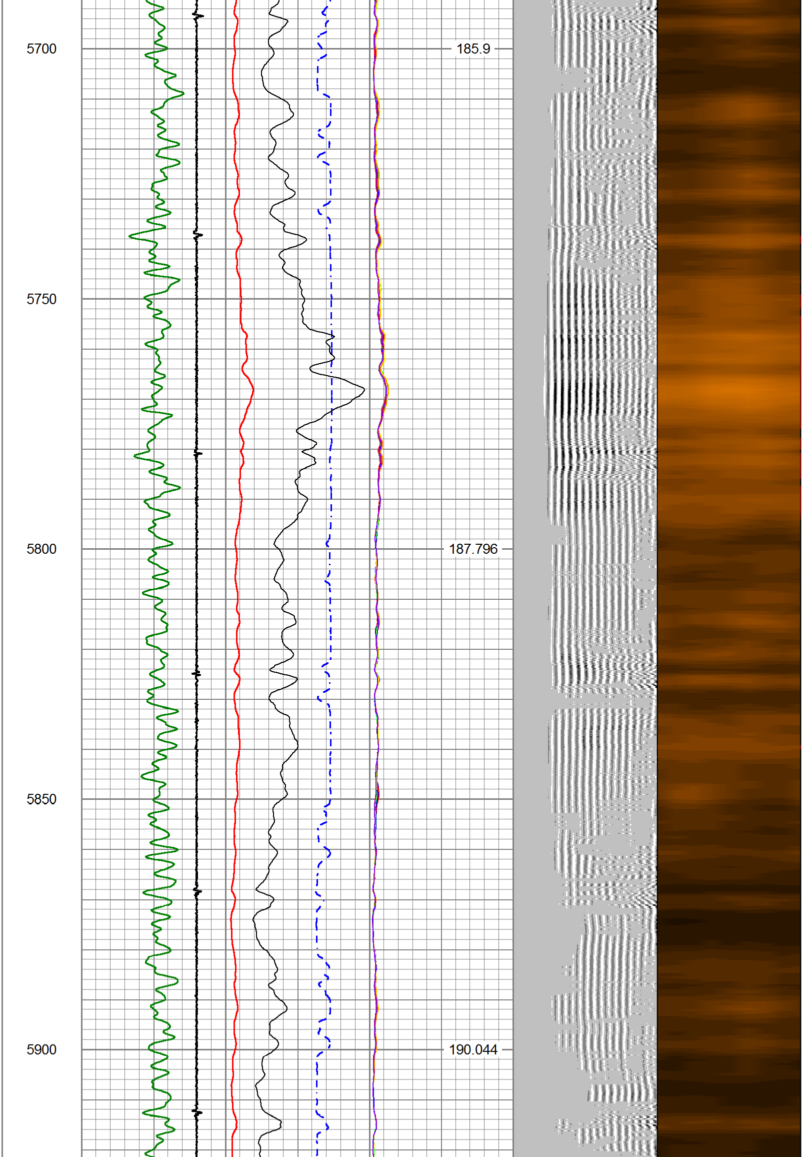
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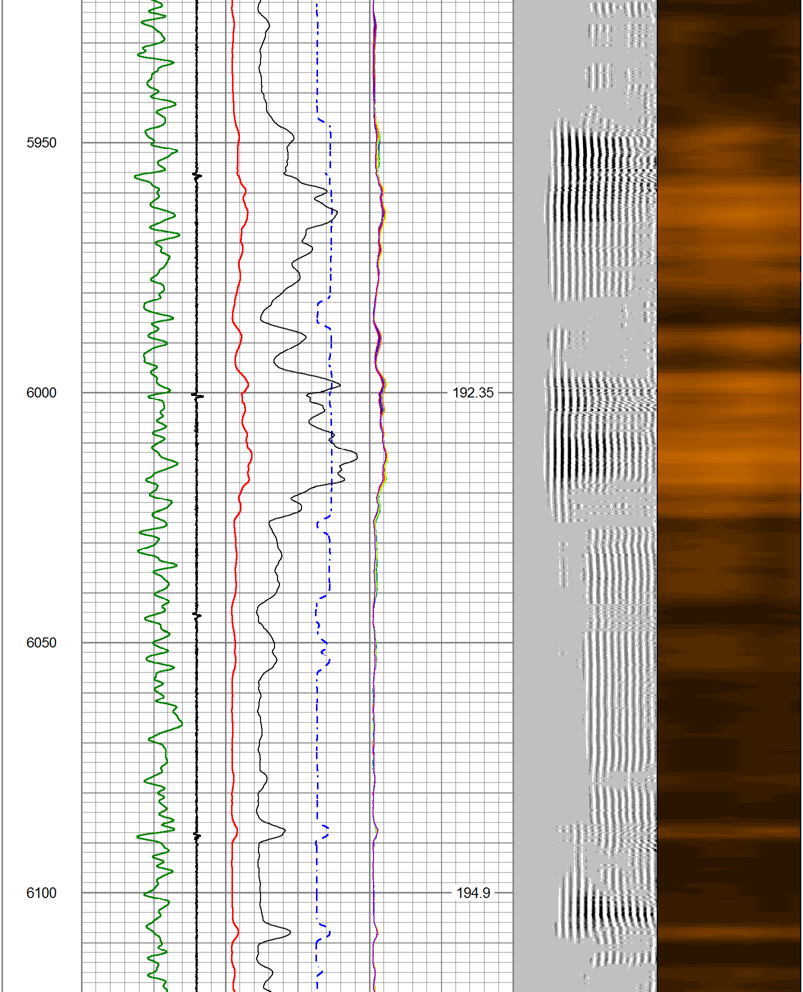
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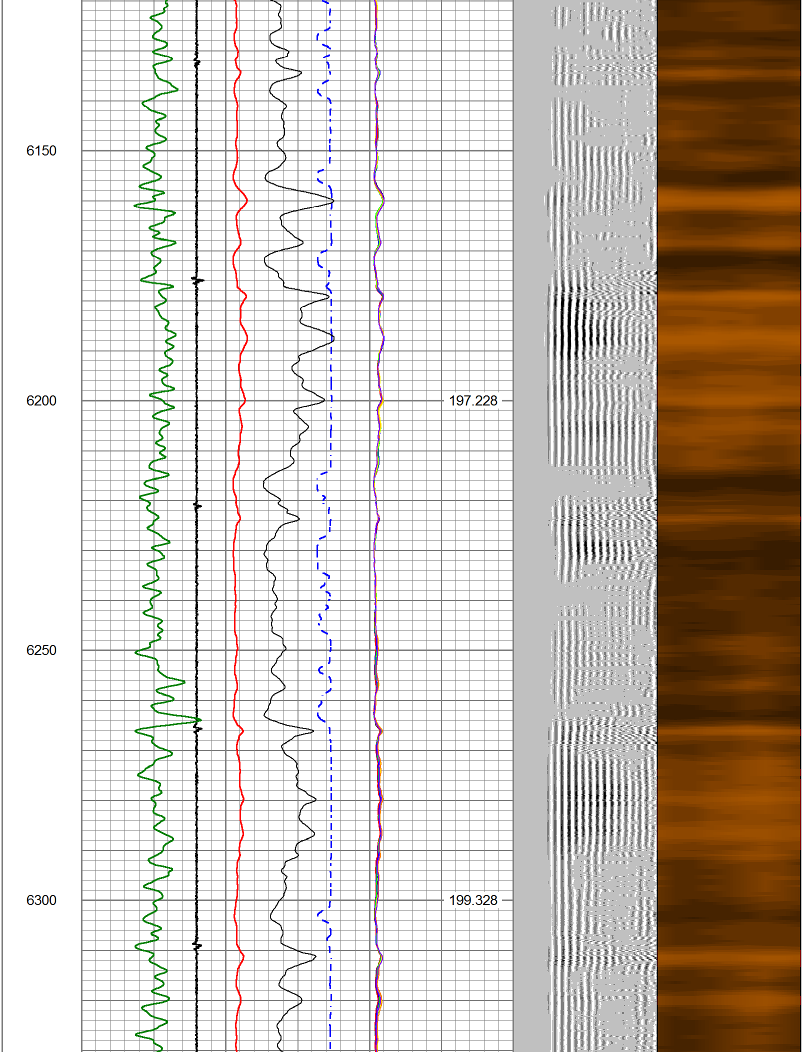
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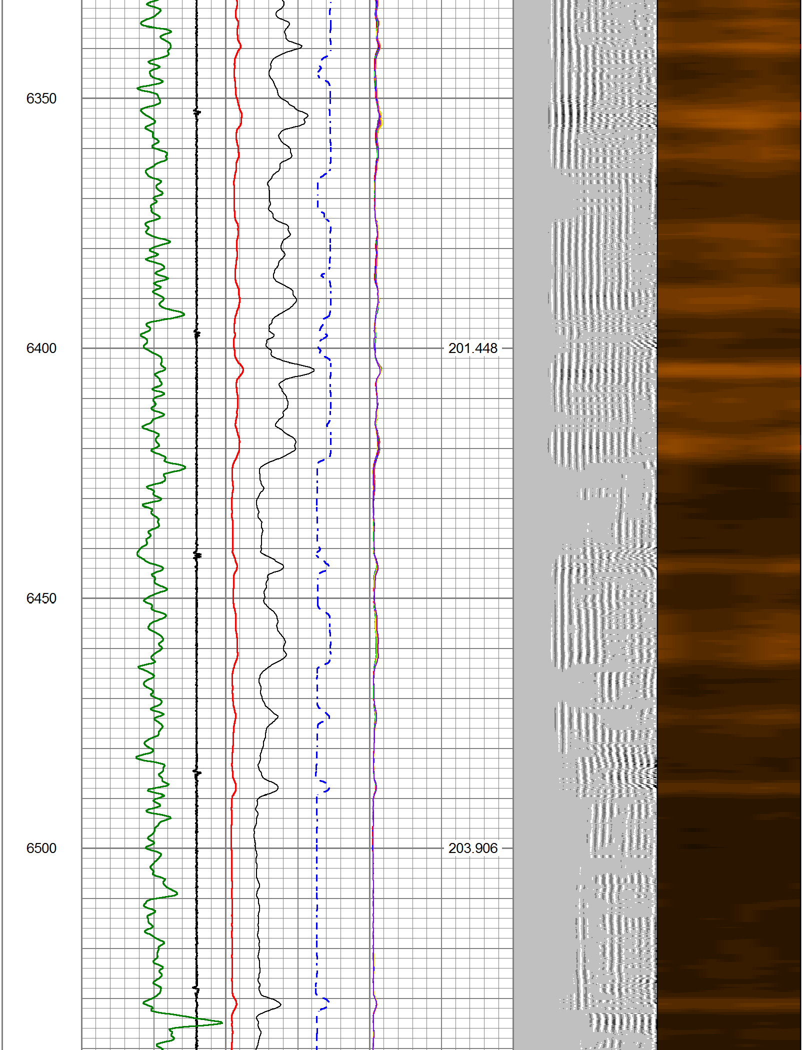
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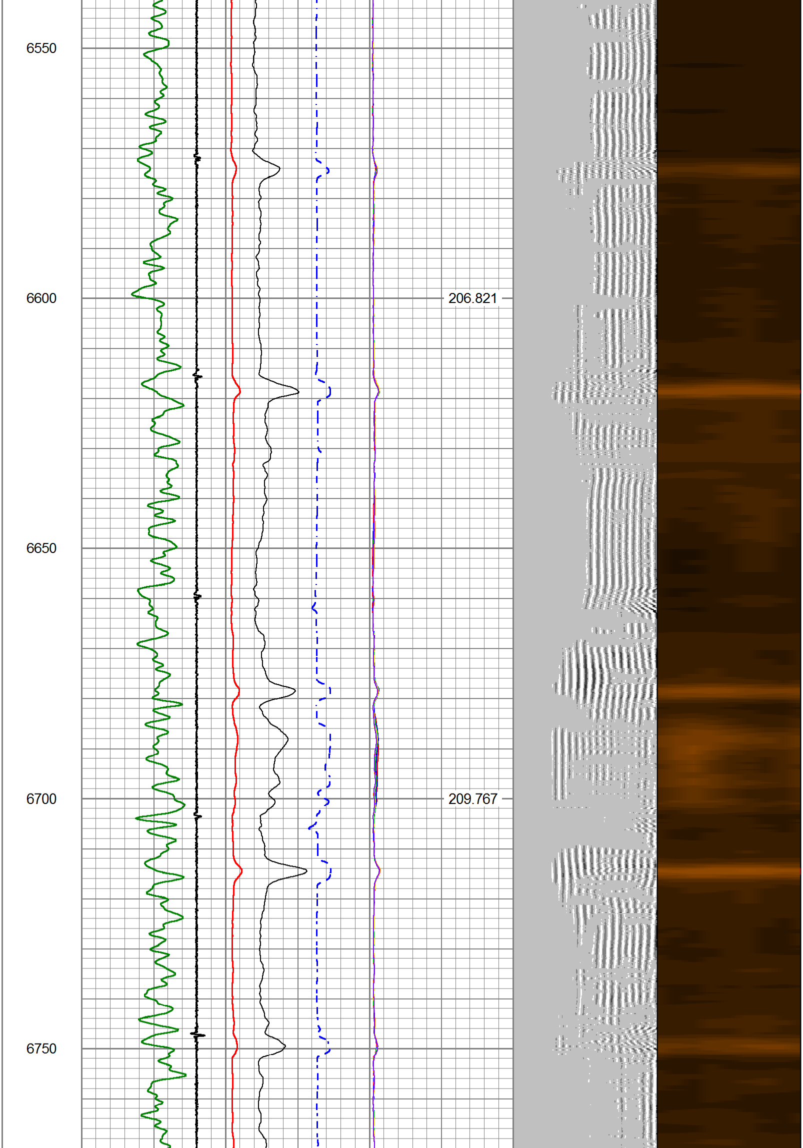
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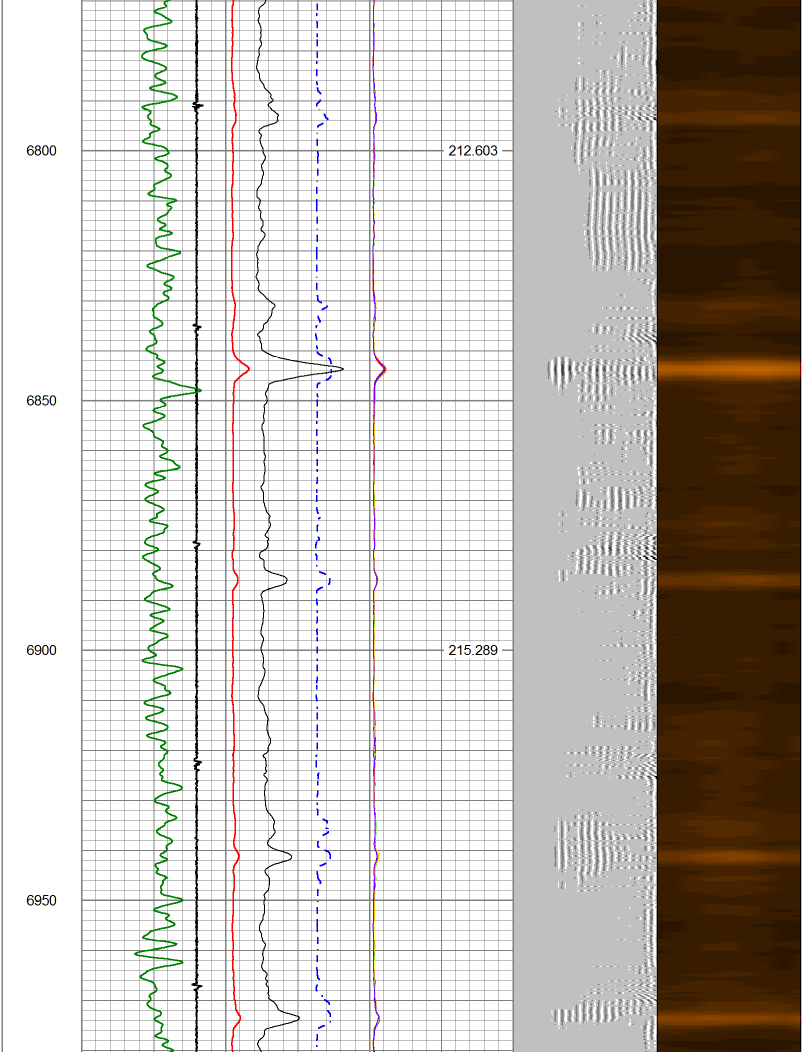
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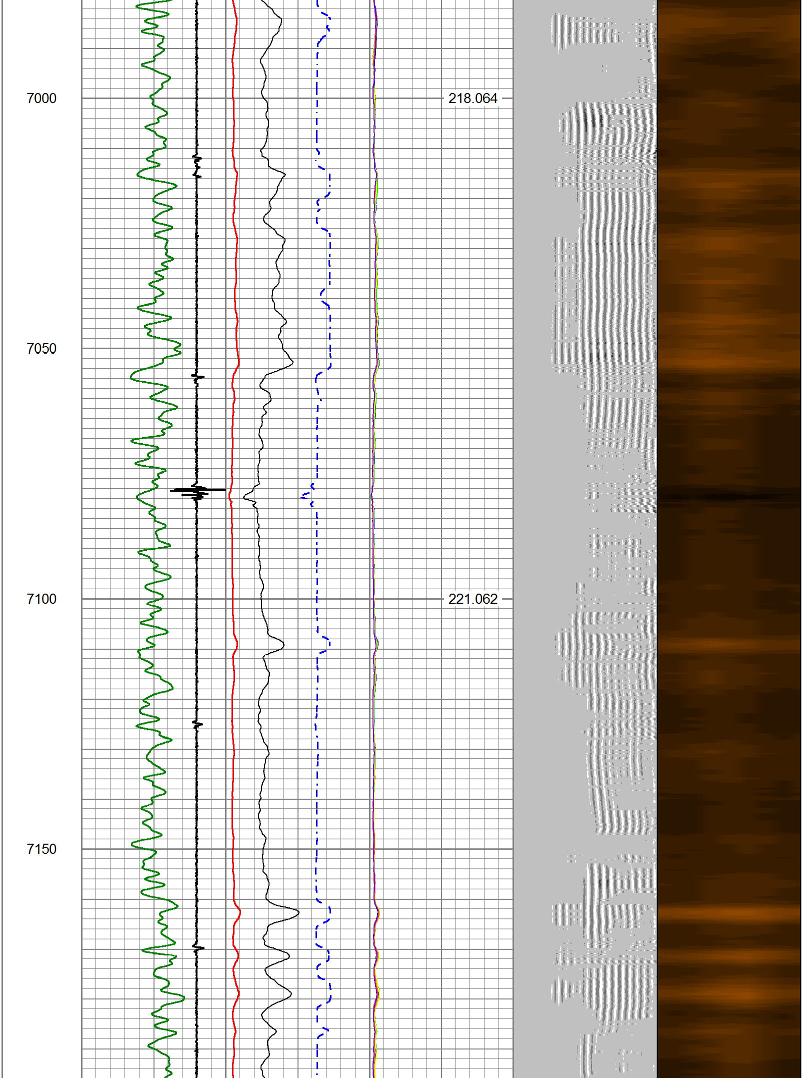
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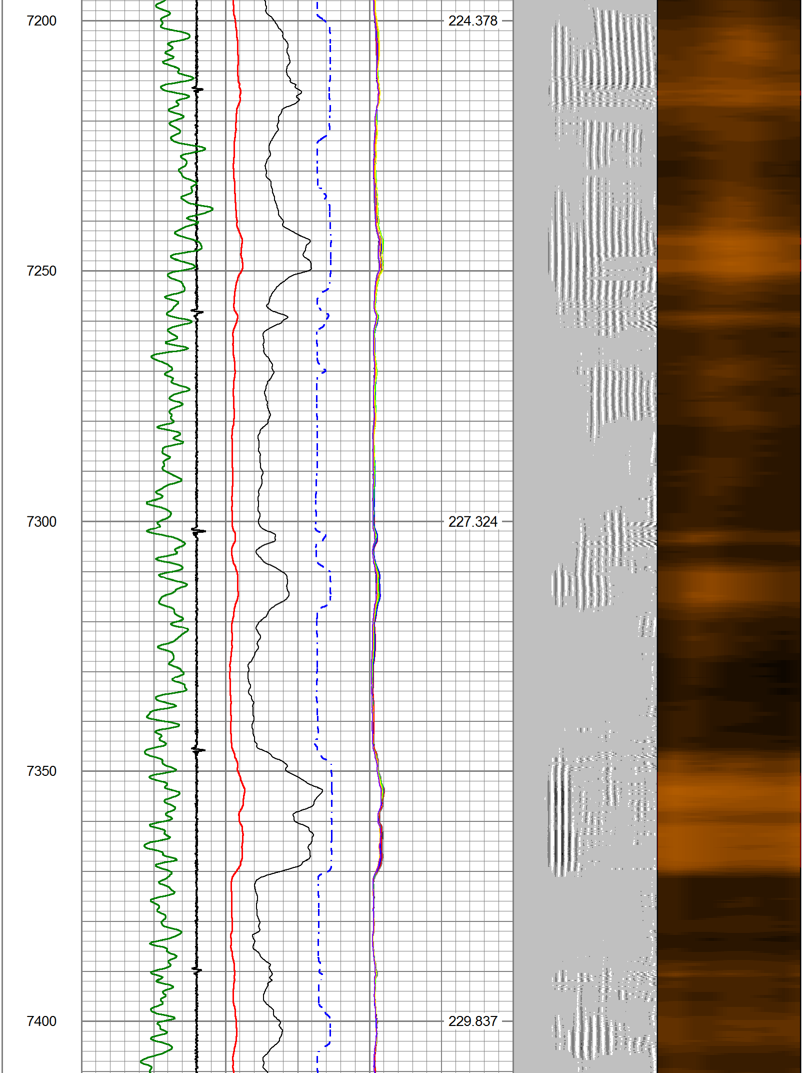
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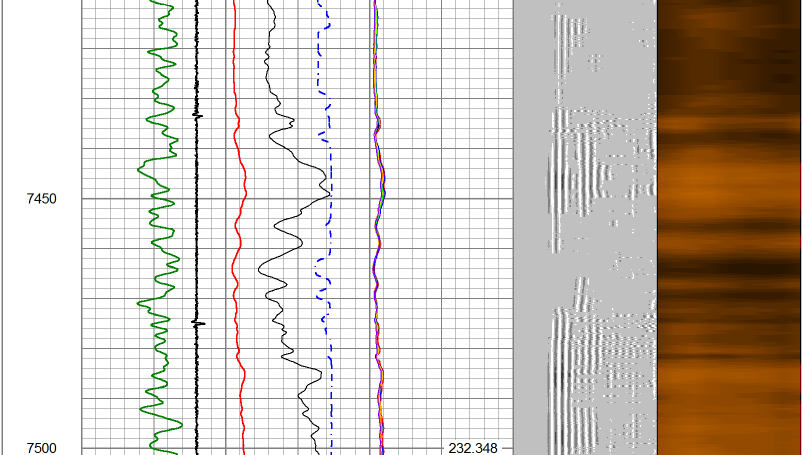
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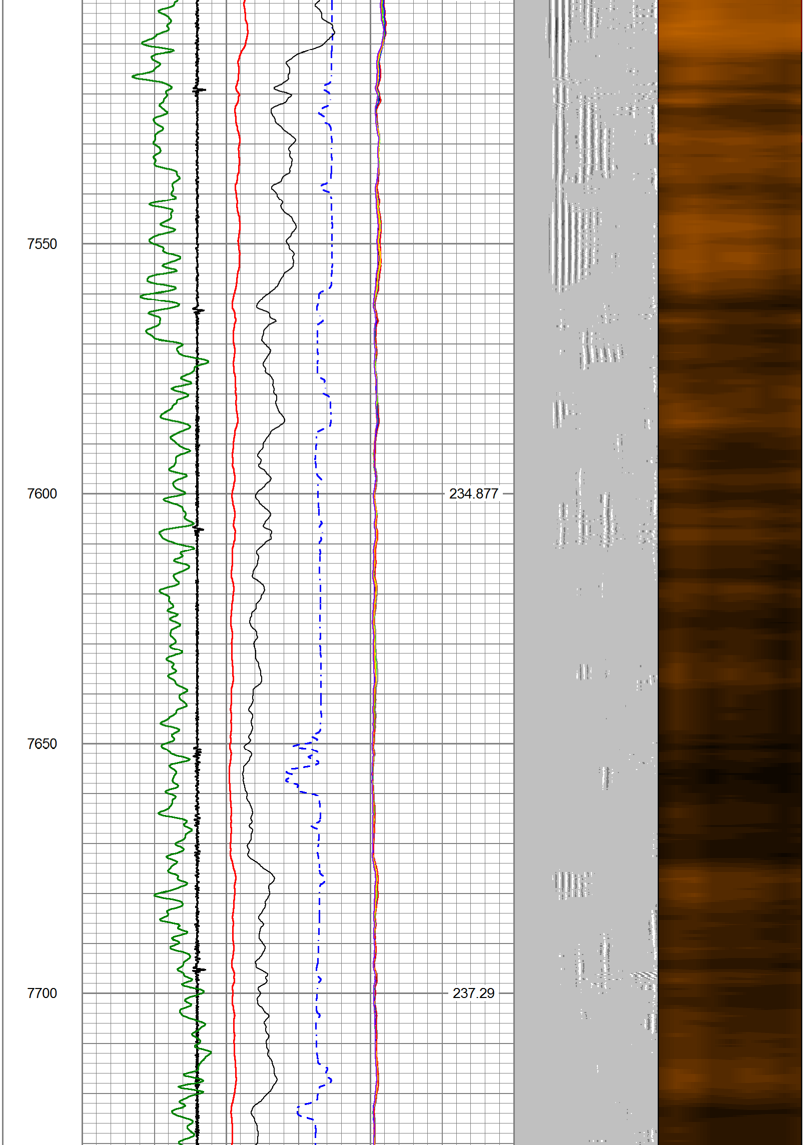

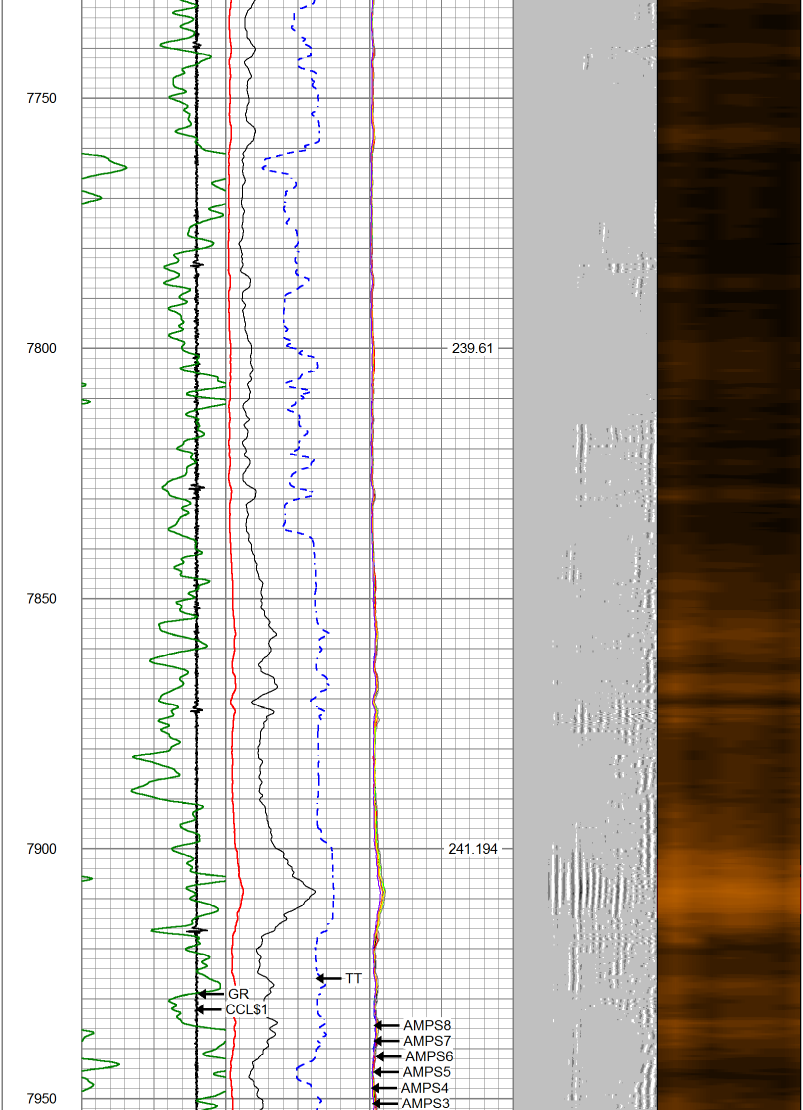

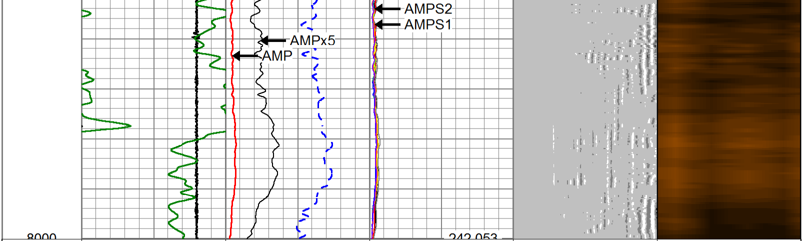

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0 GR (GAPI) 150	650 TT (usec) 150	0 AMPS2 150		
	0 AMPx5 (mV) 20	0 AMPS3 150		
		0 AMPS4 150		
		0 AMPS5 150		
		0 AMPS6 150		
		0 AMPS7 150		
		0 AMPS8 150		
		GCT_Temp (degF)		

SureFire
WIRELINE WEST
LLC.

Repeat Section

Database File	civpf4652163ah.db
Dataset Pathname	pass1
Presentation Format	civitas1
Dataset Creation	Thu Apr 20 13:06:45 2023
Charted by	Depth in Feet scaled 1:240

20 CCL$1 -5	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 RADIAL MAP 8
0 GR (GAPI) 150	650 TT (usec) 150	0 AMPS2 150		
	0 AMPx5 (mV) 20	0 AMPS3 150		
		0 AMPS4 150		
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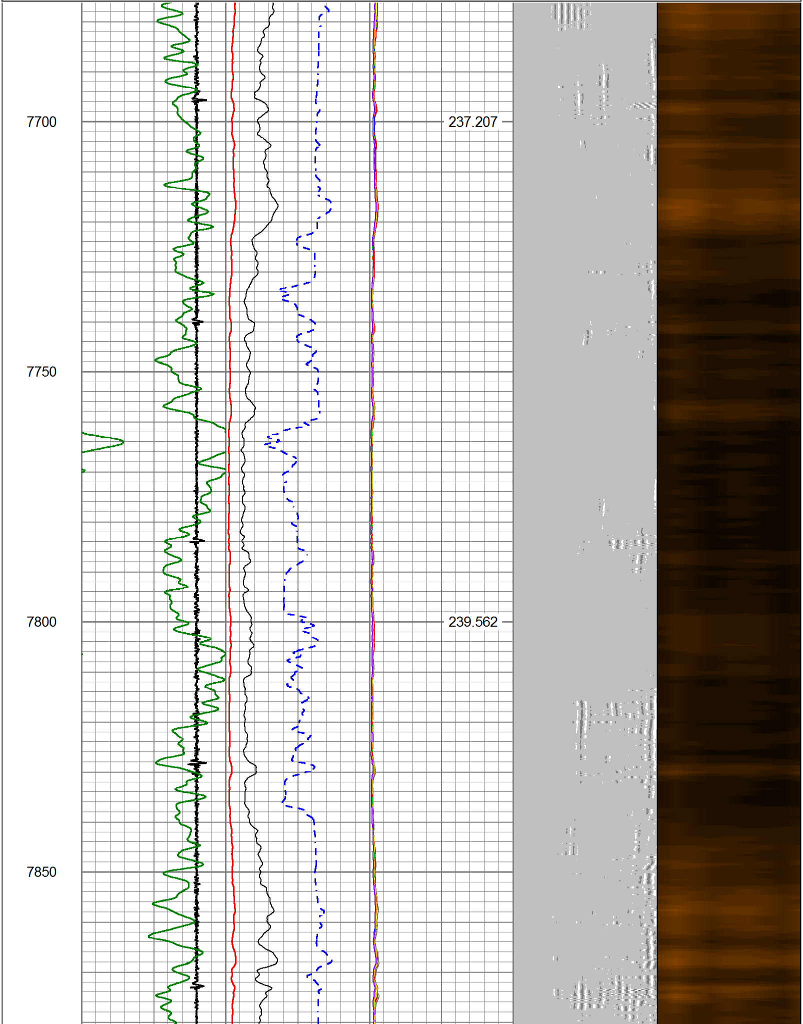
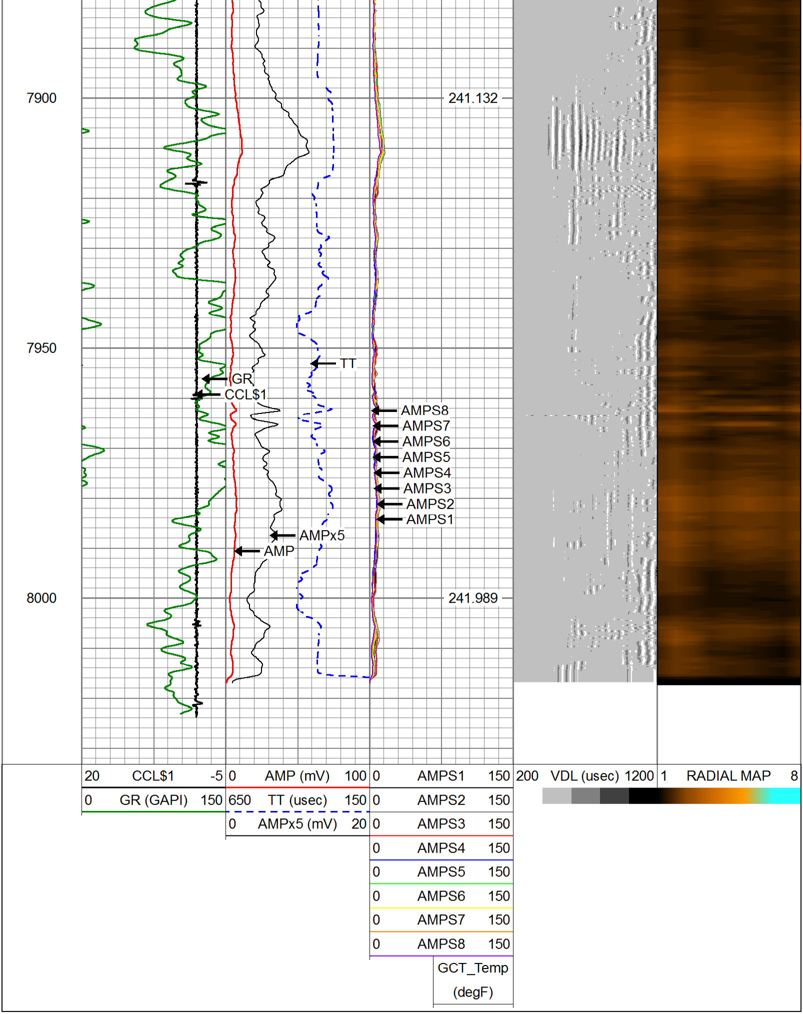
		0 AMPS6 150		
		0 AMPS7 150		
		0 AMPS8 150		
		GCT_Temp (degF)		





Calibration Report

Database File	civpf4652163ah.db
Dataset Pathname	pass1
Dataset Creation	Thu Apr 20 13:06:45 2023

Gamma Ray Calibration Report

Serial Number:	FW1905-143	
Tool Model:	GCT275-0000	
Performed:	Wed Jan 15 13:32:19 2020	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7500	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1905-052	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	728.708	ft

Master Calibration, performed Thu Apr 20 10:54:14 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.003	1.403	0.800	71.921	50.595	0.928
CAL	-0.002	1.601				
5'	-0.003	1.245	0.800	71.921	57.008	0.949
SUM						
S1	-0.003	1.491	0.000	71.921	48.141	0.124
S2	-0.002	1.426	0.000	71.921	50.359	0.122
S3	-0.002	1.384	0.000	71.921	51.857	0.129
S4	-0.003	1.310	0.000	71.921	54.800	0.140
S5	-0.002	1.292	0.000	71.921	55.564	0.133
S6	-0.003	1.305	0.000	71.921	54.995	0.150
S7	-0.003	1.387	0.000	71.921	51.738	0.143
S8	-0.003	1.488	0.000	71.921	48.241	0.125

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.002	1.601	1.000	0.000

Air Zero Calibration, performed Wed Mar 3 06:51:28 2021:

	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