Company	CRESTONE PEAK RESOURCES
Well	LONE TREE 4-65 15-16 4BH
Field	WATTENBERG
County	ARAPAHOE
State	COLORADO
Country	USA

RADIAL BOND GAMMA RAY COLLAR LOG

Company	CRESTONE PEAK RESOURCES
Well	LONE TREE 4-65 15-16 4BH
Field	WATTENBERG
County	ARAPAHOE
State	COLORADO
Country	USA

Location: API # : 05-005-07498

SENE

SEC 15 TWP 4S RGE 65W

Other Services

			Elevation
Permanent Datum	GROUND LEVEL	Elevation 5693	K.B. 5718
Log Measured From	KELLY BUSHING		D.F.
Drilling Measured From	KELLY BUSHING		G.L. 5693

Date	02-DEC-2022
Run Number	ONE
Depth Driller	18848
Depth Logger	8756
Bottom Logged Interval	8752
Top Log Interval	SURFACE
Open Hole Size	8 1/2
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	250 F
Estimated Cement Top	SURFACE
Time Well Ready	ROA
Time Logger on Bottom	1600
Equipment Number	803
Location	KERSEY
Recorded By	JIM McKIE
Witnessed By	MR. MANNY PARRAS

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	SURFACE	3410
Prot. String				
Production String	5 1/2	17	SURFACE	TOTAL DEPTH
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 Schedule.

Comments

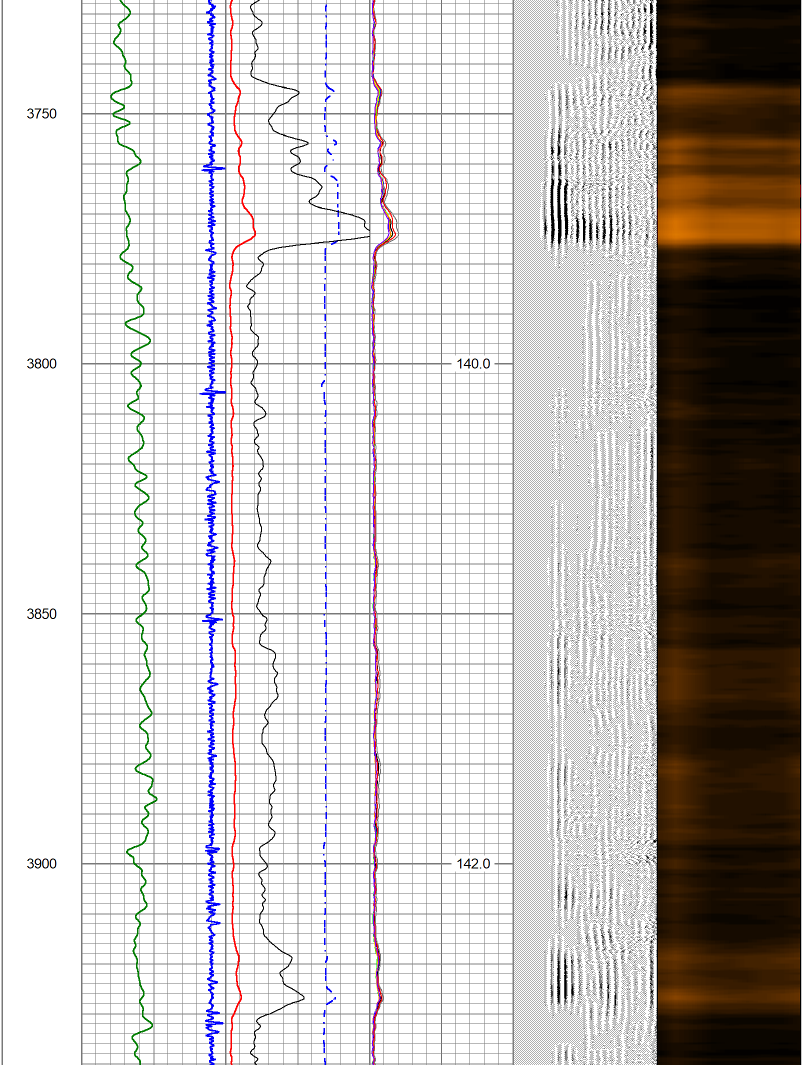
LOG RECORDED USING 25' KB

LOCATION:
N-000000000000X0-S
X= LONE TREE 4-65 15-16 4BH

COLLAR NOISE CAUSED BY HOLE CONDITIONS

Database File	civitas lone tree 4-65 15-16 4bh working copy.db
Dataset Pathname	pass4
Presentation Format	sfww_cbl_oasis-sectors (2)
Dataset Creation	Fri Dec 02 16:11:40 2022
Charted by	Depth in Feet scaled 1:240

0 GR (GAPI) 150	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200
-9 CCL$1 1	650 TT (usec) 150	0 AMPS2 150	1 RADIAL MAP 8
	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)	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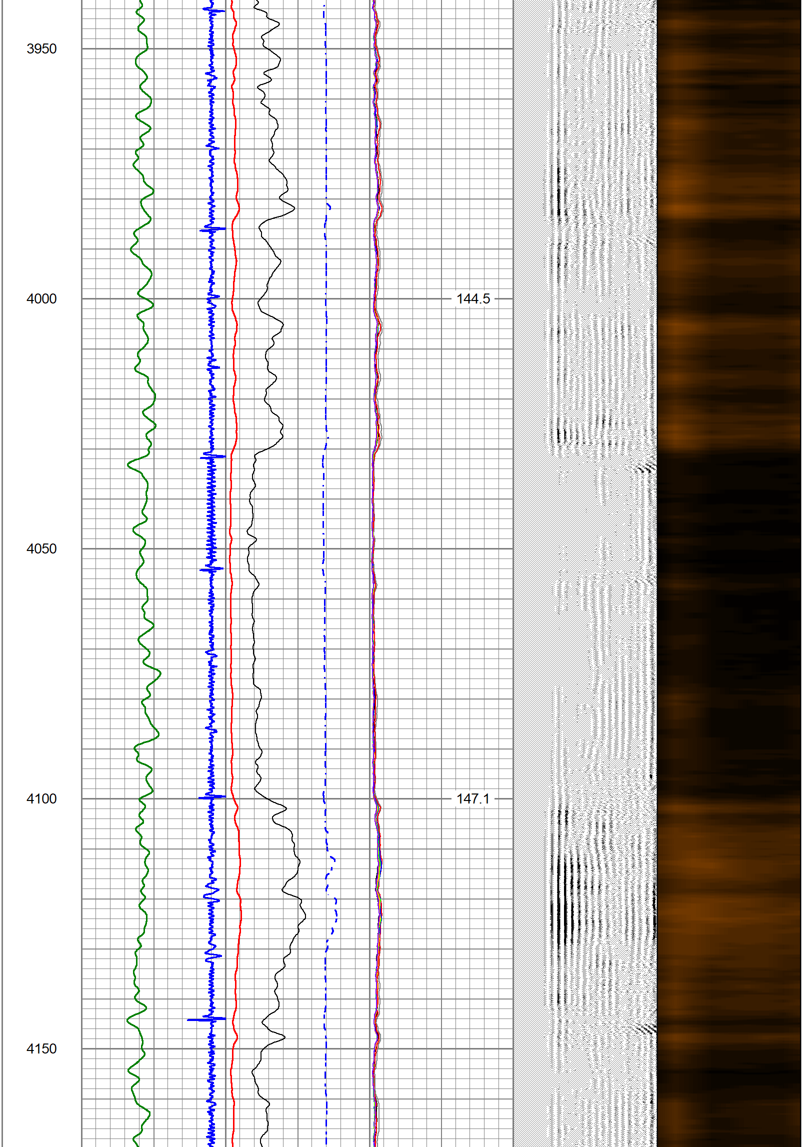
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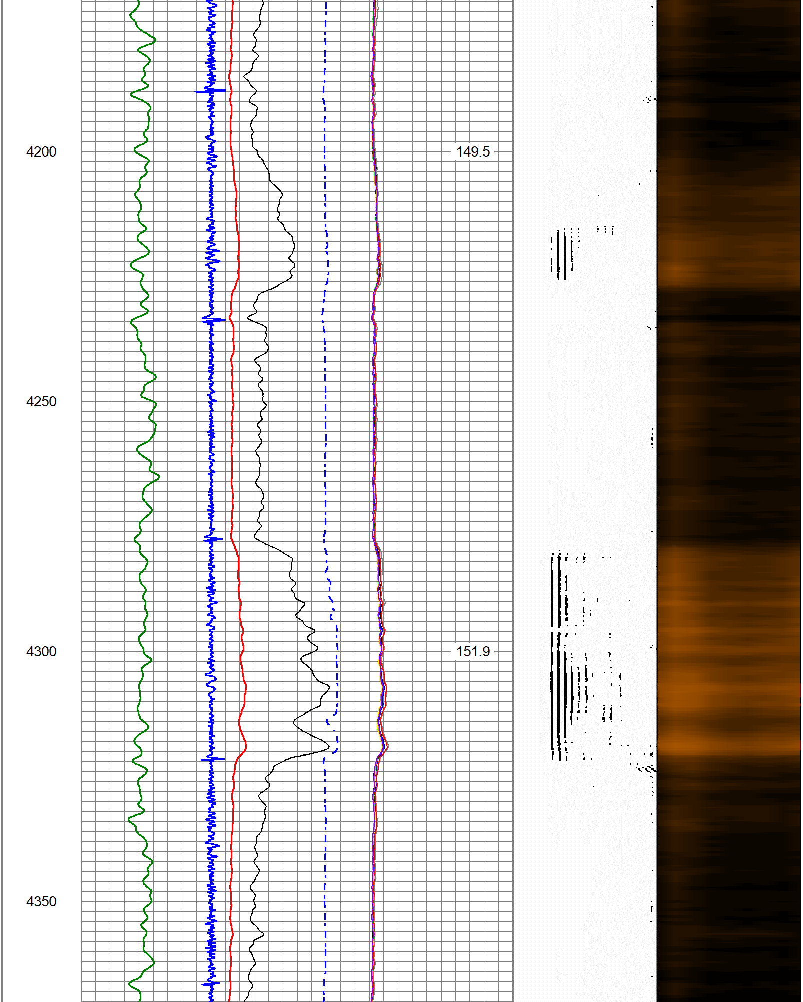
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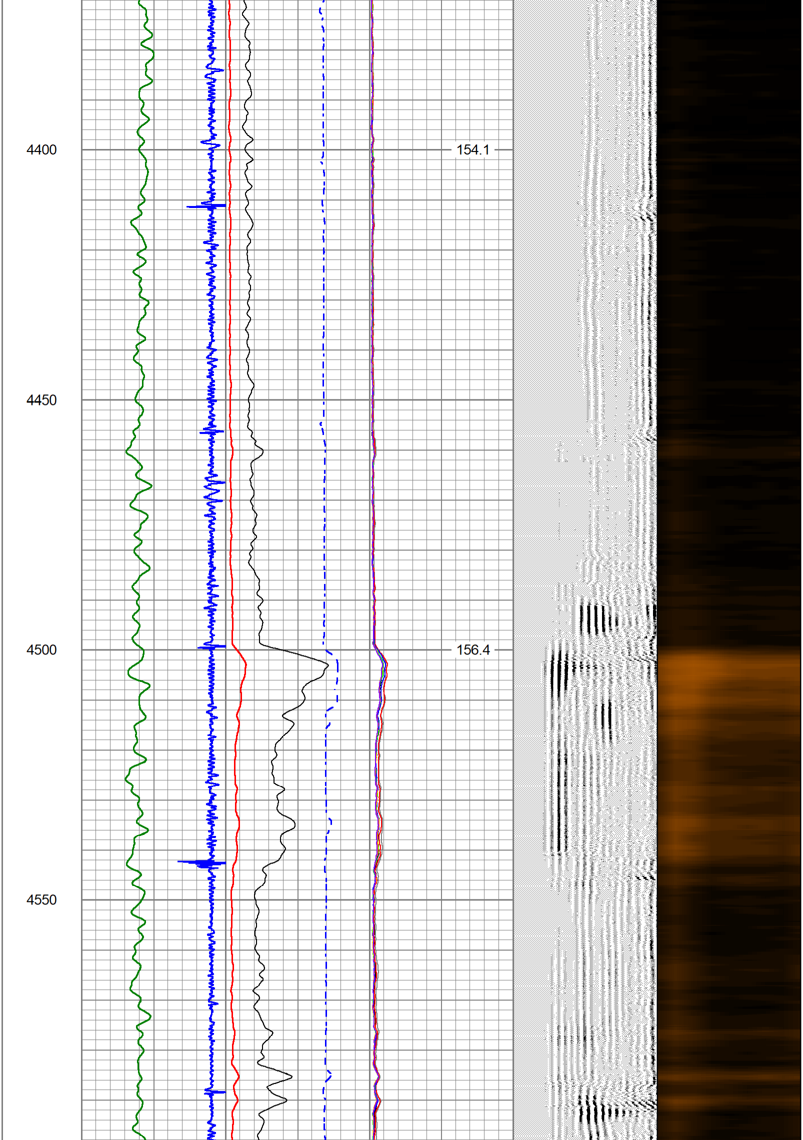
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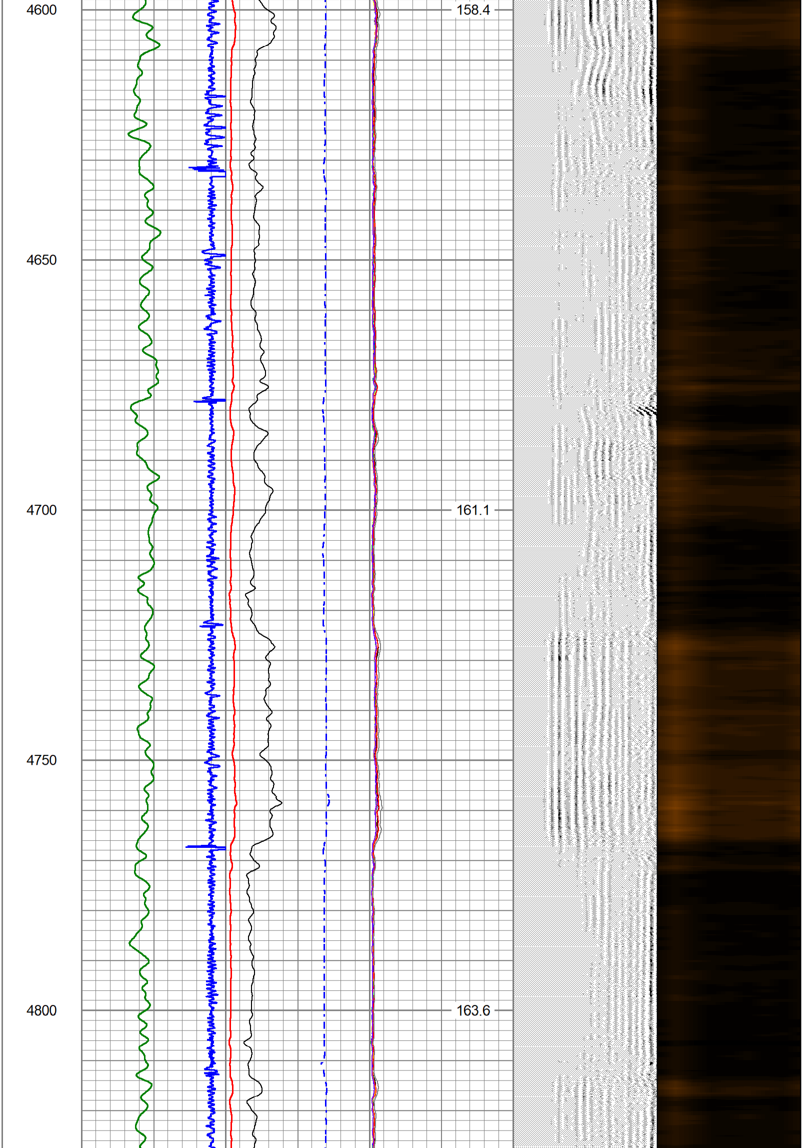
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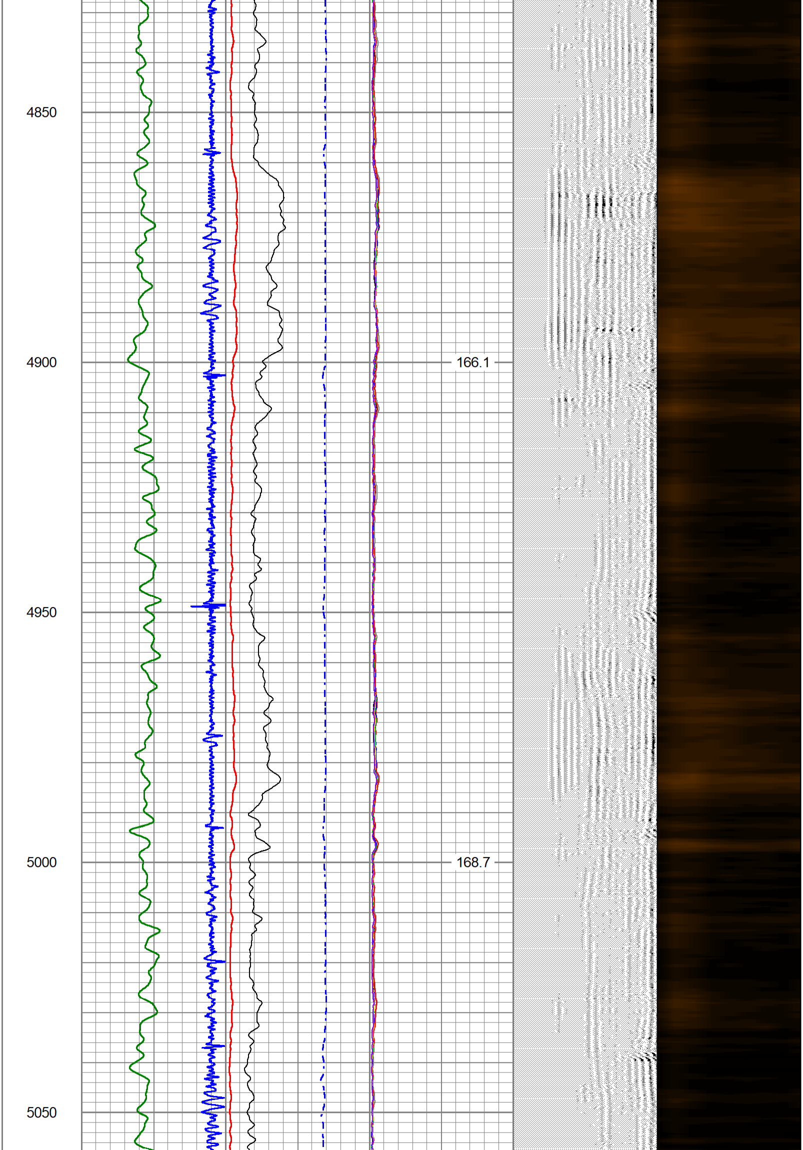
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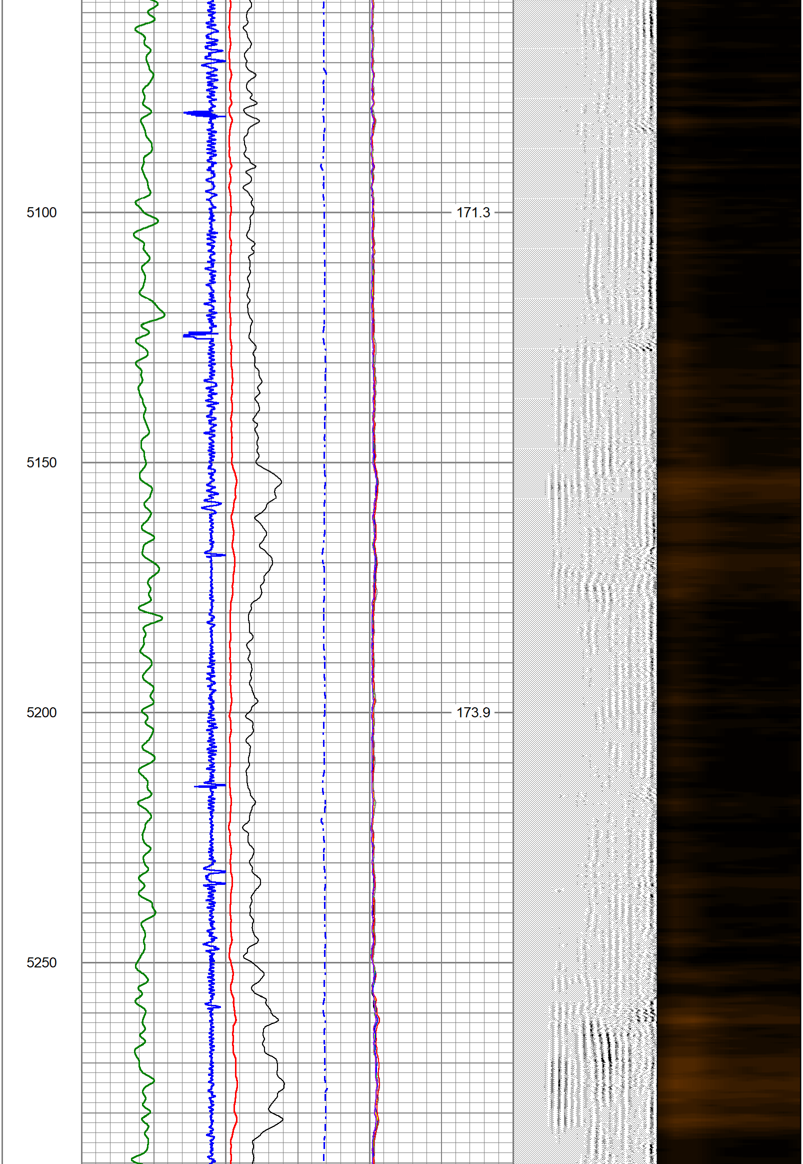
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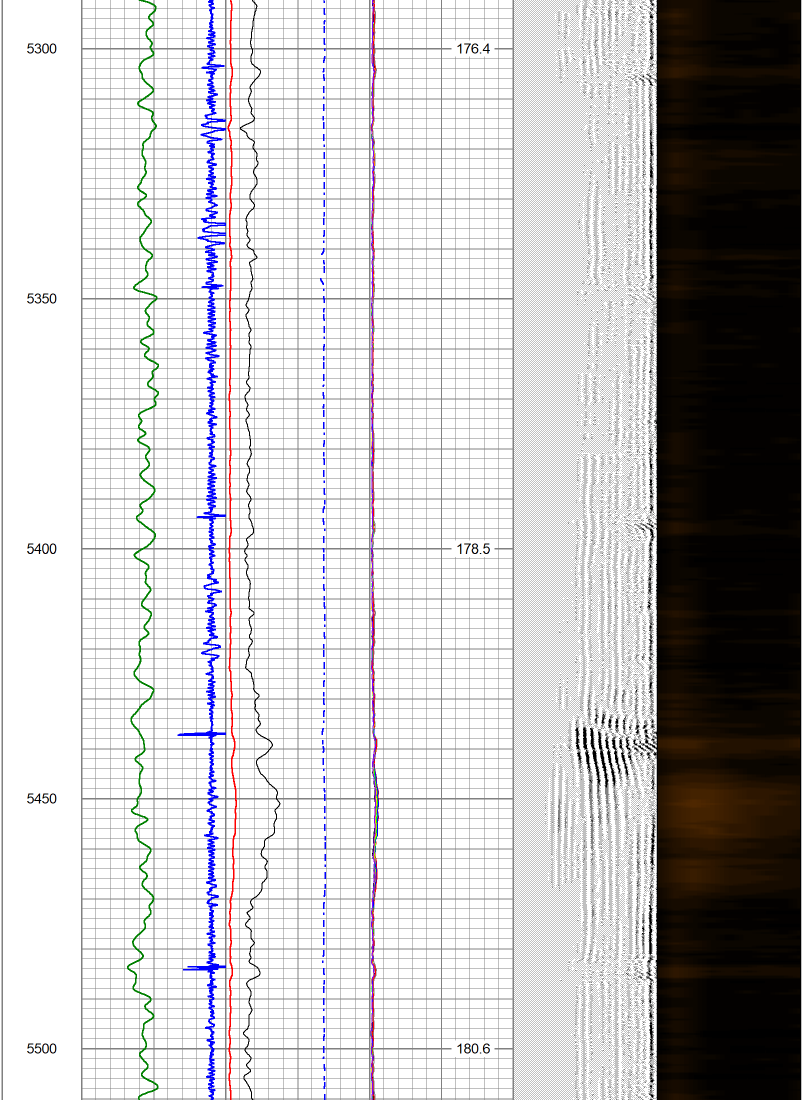
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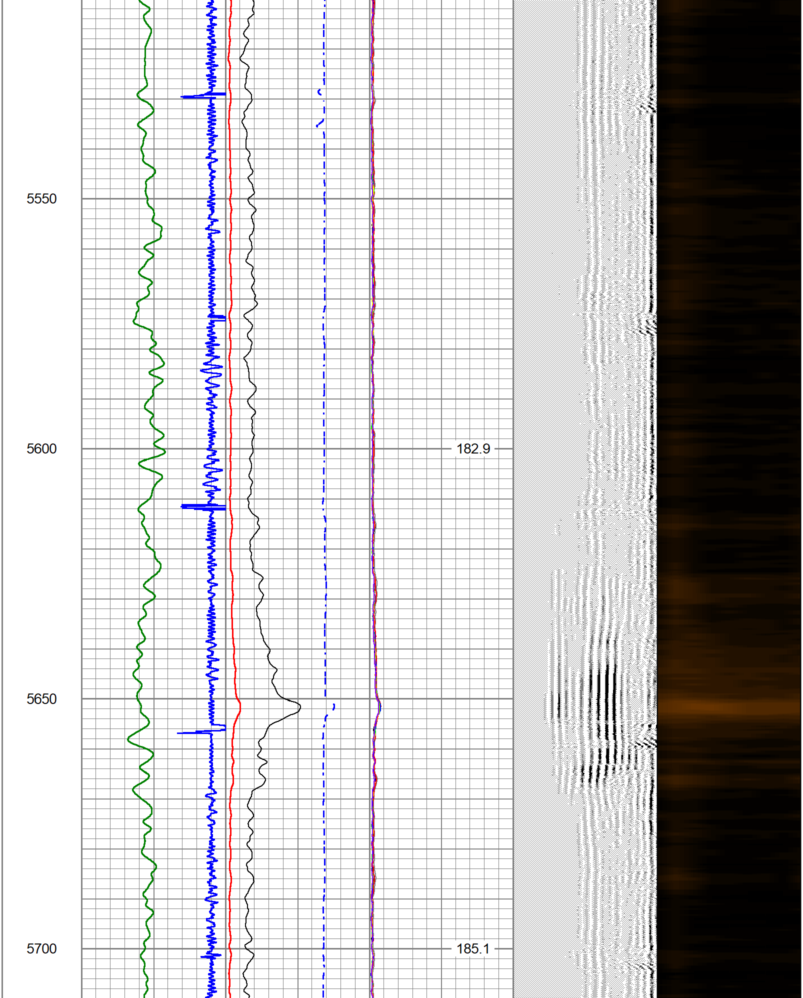
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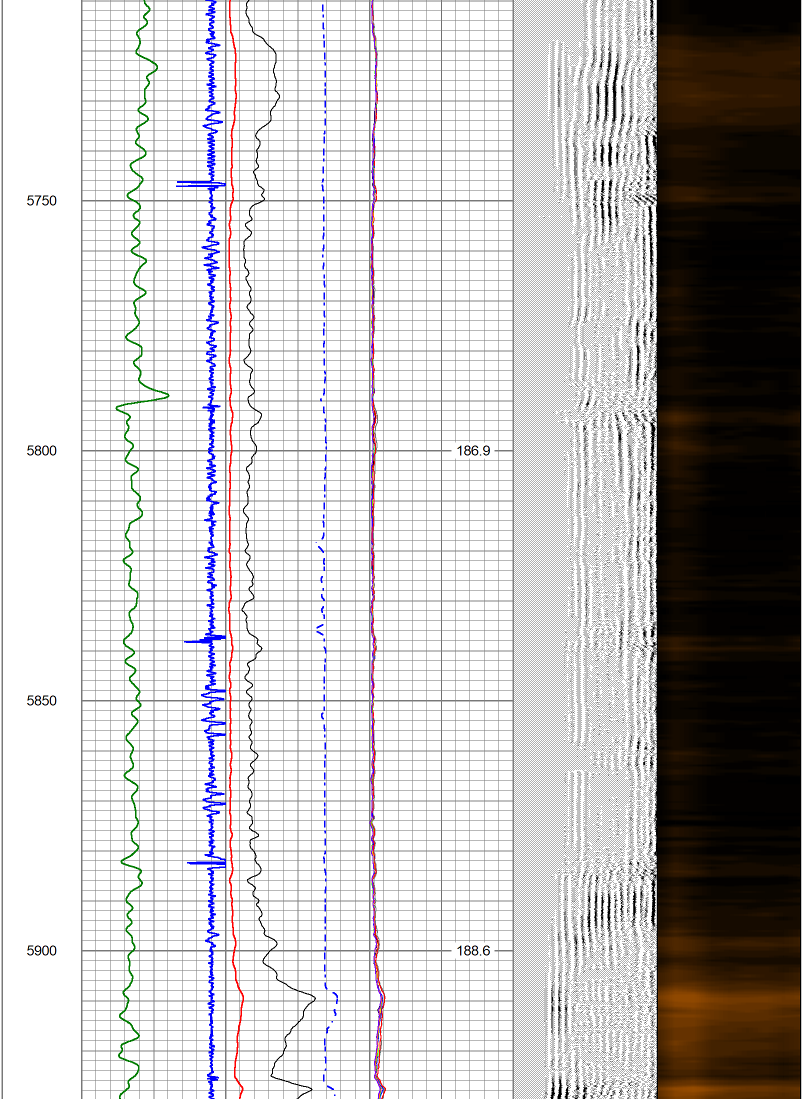
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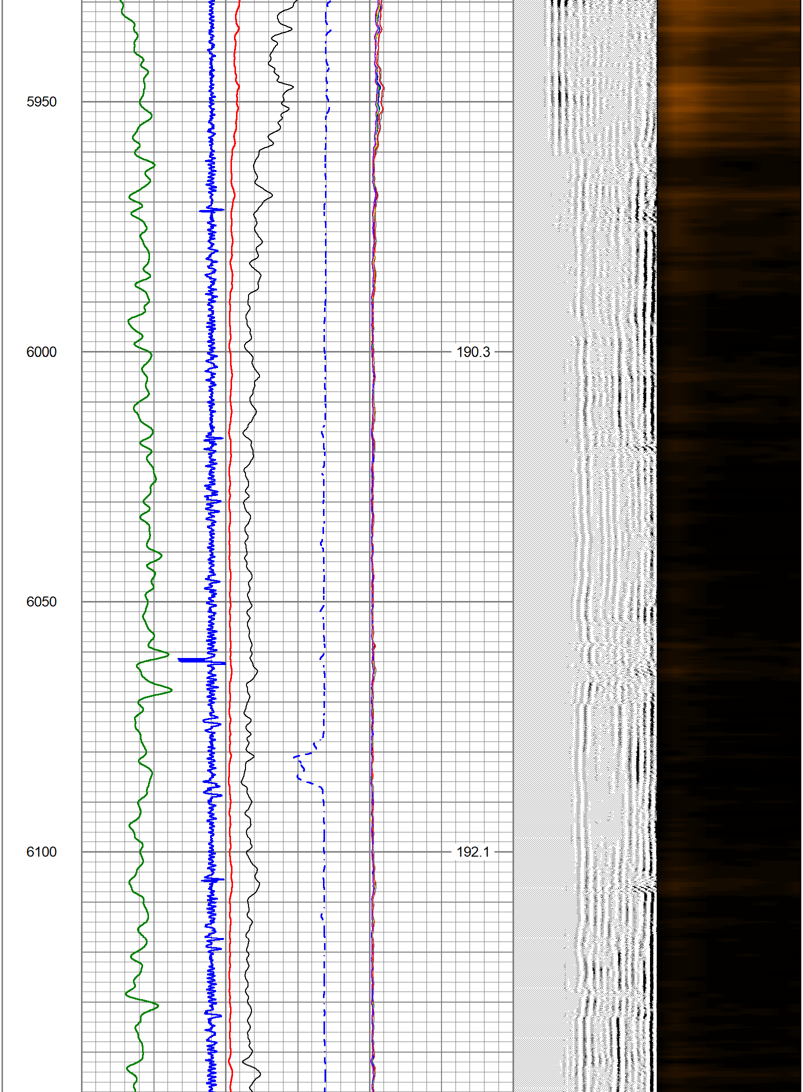
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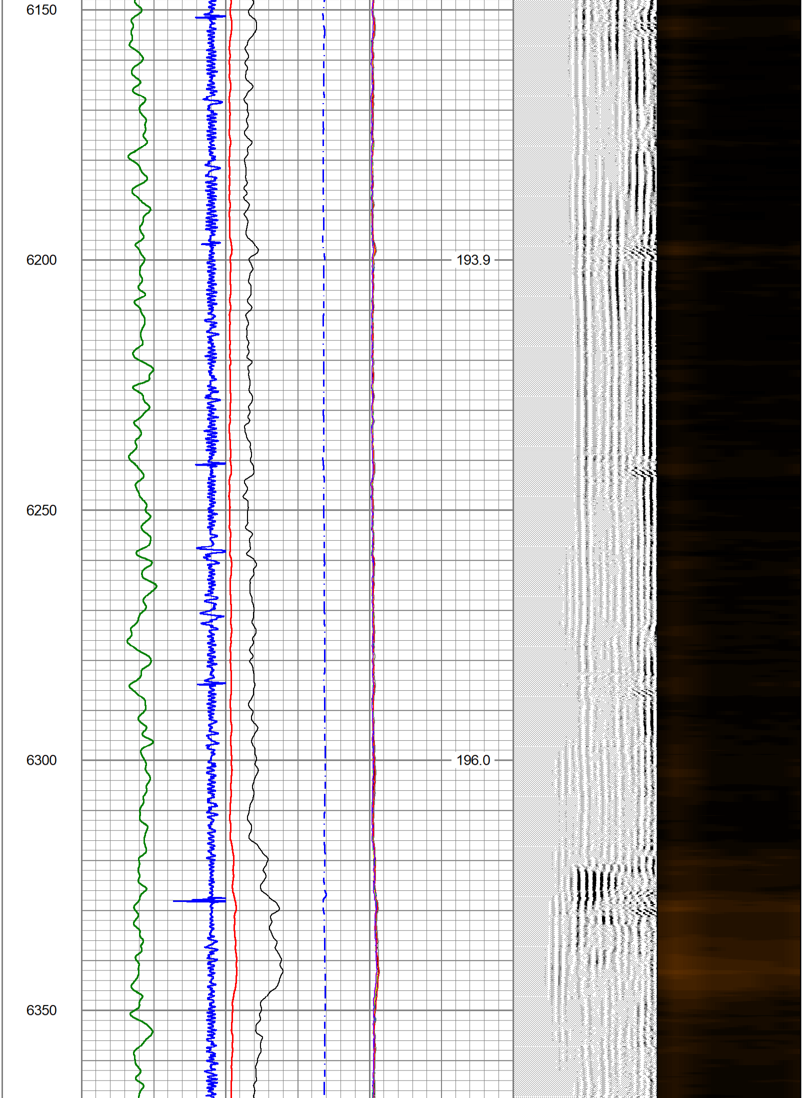
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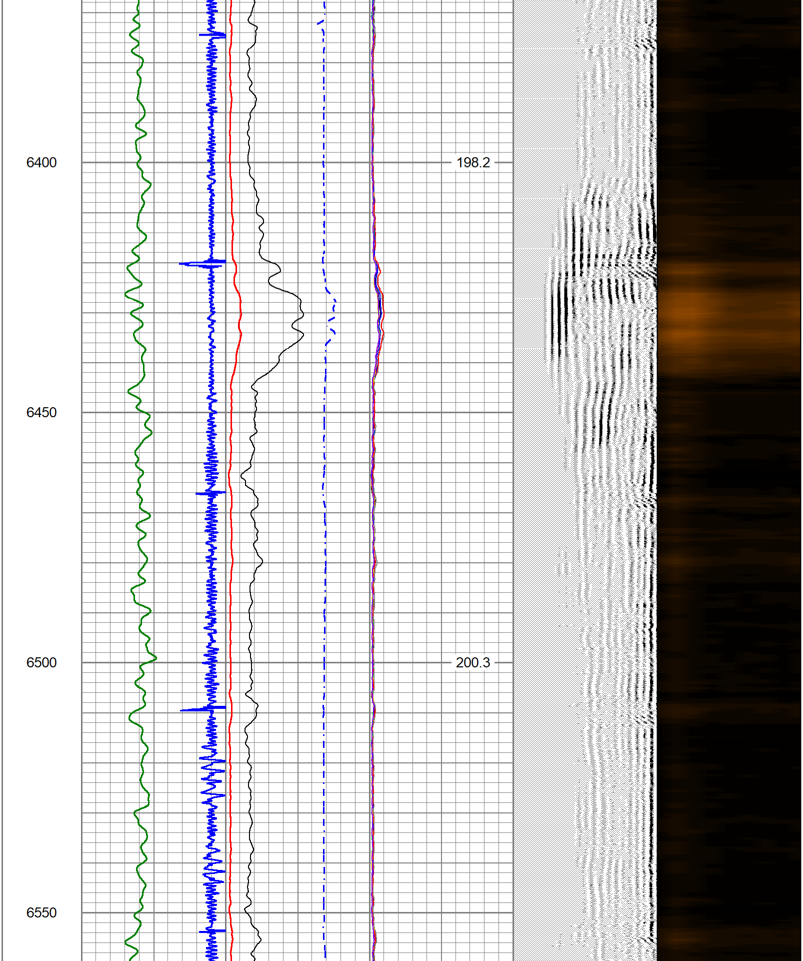
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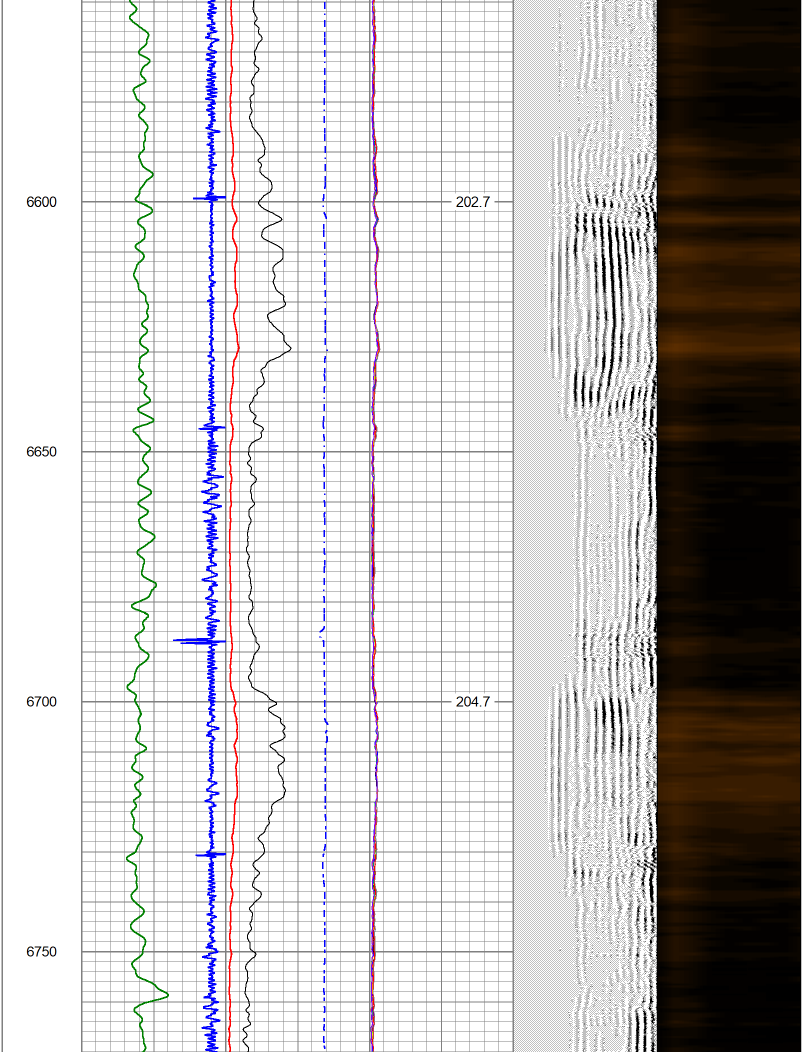
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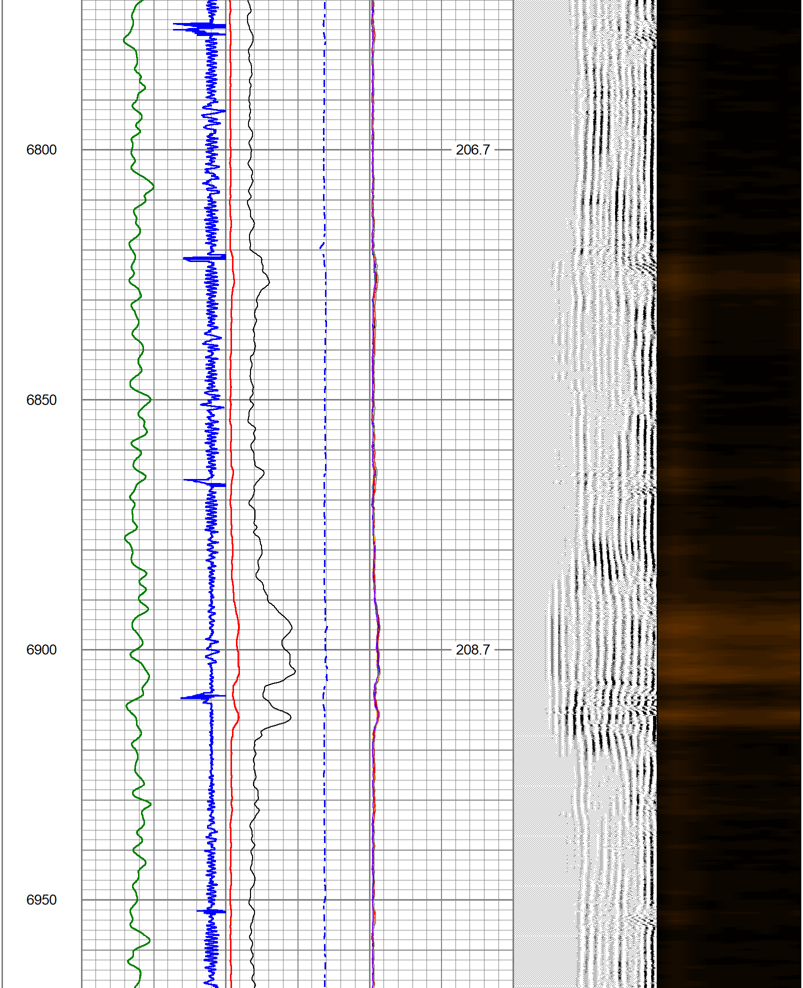
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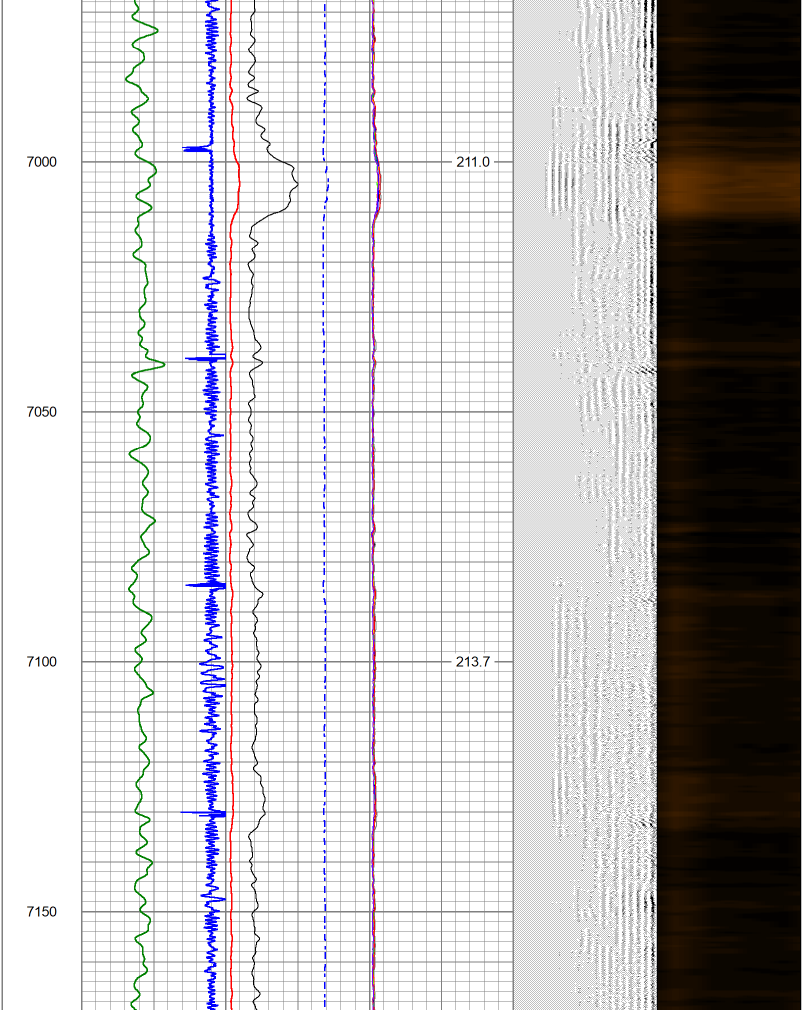
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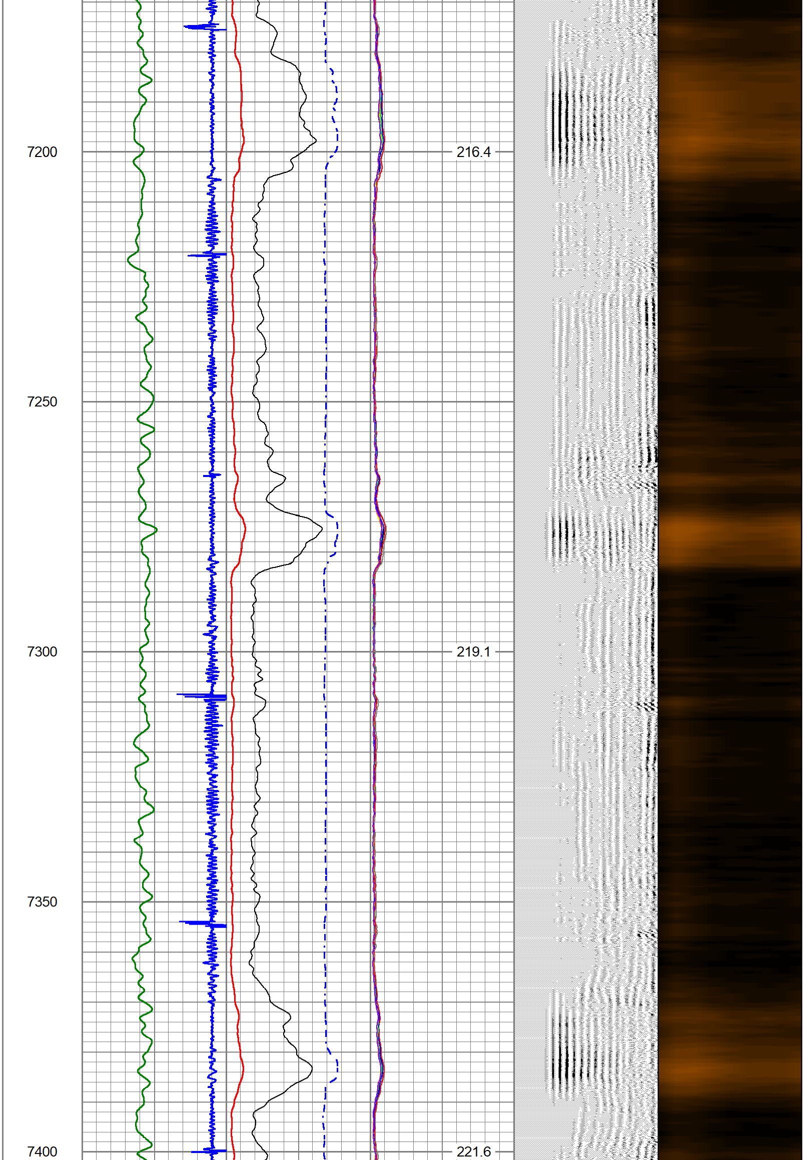
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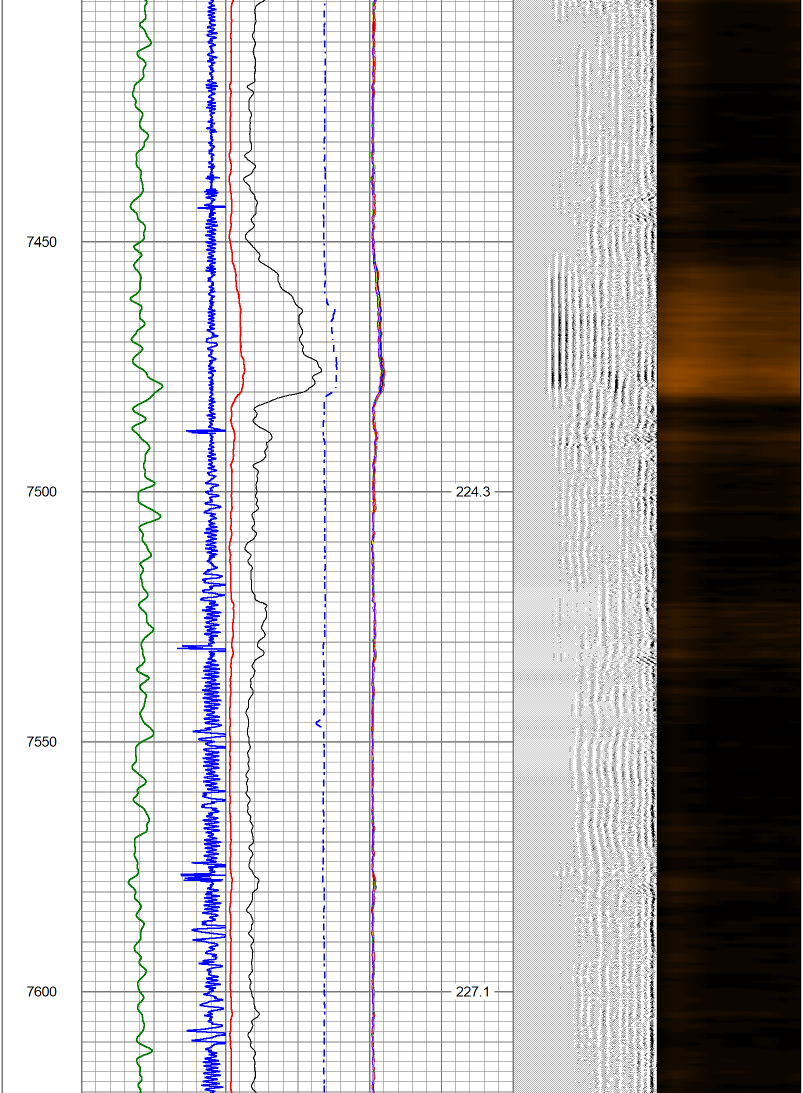
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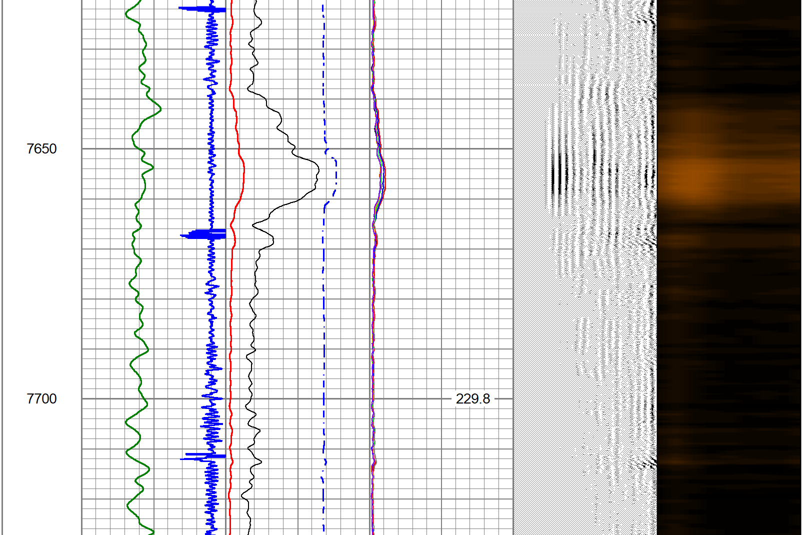
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0 GR (GAPI) 150	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 RADIAL MAP 8
-9 *CCL$1* 1	650 TT (usec) 150	0 AMPS2 150		
	0 AMPx5 (mV) 20	0 AMPS3 150		
		0 AMPS4 150		
		0 AMPS5 150		
		0 AMPS6 150		
		0 AMPS7 150		
		0 AMPS8 150		
		GCT_Temp (degF)		

REPEAT SECTION

Database File civitas lone tree 4-65 15-16 4bh working copy.db
Dataset Pathname pass3
Presentation Format sfww_cbl_oasis-sectors (2)
Dataset Creation Fri Dec 02 16:03:42 2022
Charted by Depth in Feet scaled 1:240

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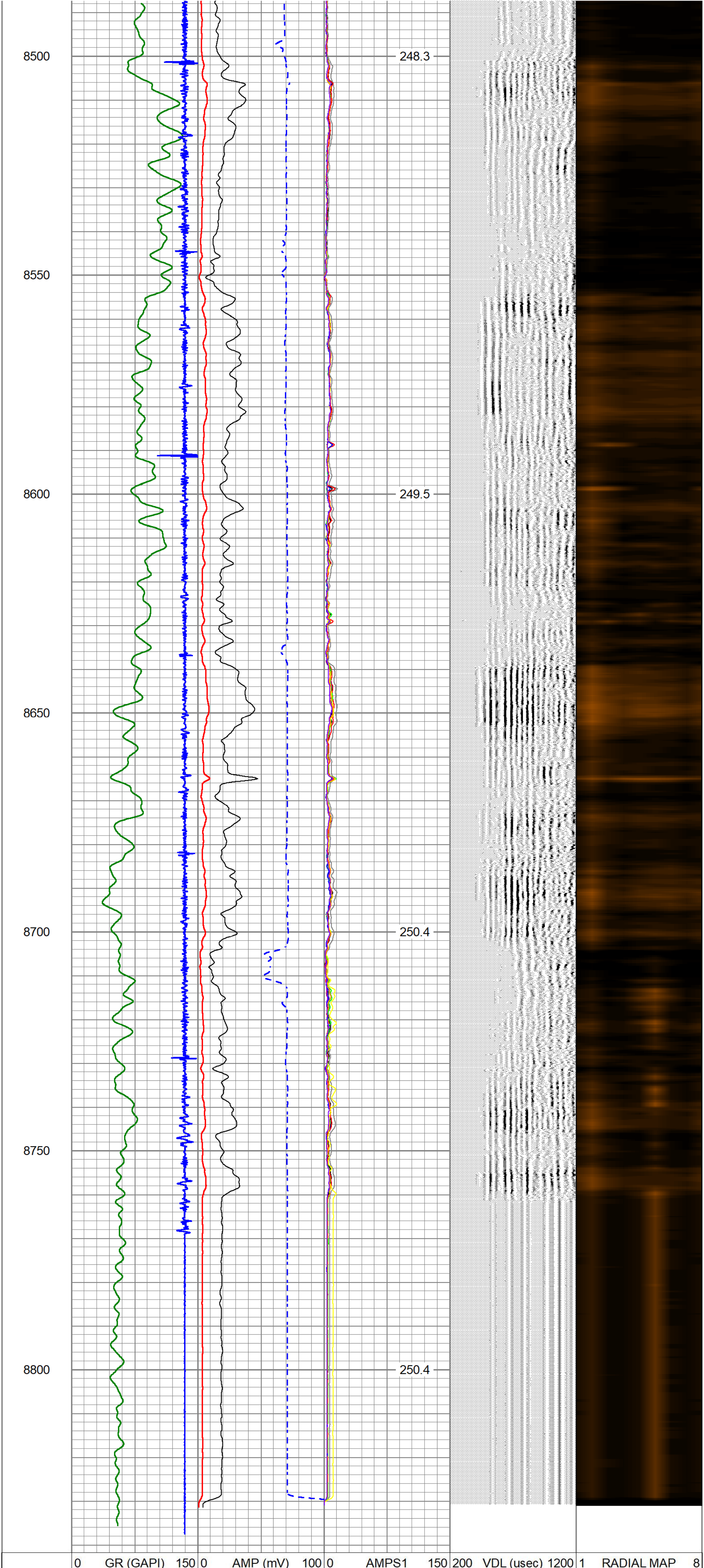
		0 AMPS8 150		
		GCT_Temp (degF)		



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9 CCL$1 -1	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)		

Calibration Report

Database File civitas lone tree 4-65 15-16 4bh working copy.db
Dataset Pathname pass4
Dataset Creation Fri Dec 02 16:11:40 2022

Gamma Ray Calibration Report

Serial Number:	FW1905-098	
Tool Model:	GCT275-0000	
Performed:	Mon May 4 14:03:10 2020	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5800	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1905-055	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	223.225	ft

Master Calibration, performed Tue Nov 15 13:36:59 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.396	0.800	71.921	50.953	0.780
CAL	-0.000	1.517				
5'	-0.000	1.310	0.800	71.921	54.272	0.818
SUM						
S1	0.001	1.399	0.000	71.921	51.430	-0.038
S2	0.001	1.352	0.000	71.921	53.220	-0.032
S3	0.000	1.368	0.000	71.921	52.581	-0.012
S4	-0.001	1.344	0.000	71.921	53.485	0.039
S5	0.000	1.329	0.000	71.921	54.131	-0.009
S6	0.001	1.354	0.000	71.921	53.148	-0.060
S7	0.000	1.346	0.000	71.921	53.464	-0.025
S8	0.000	1.409	0.000	71.921	51.066	-0.023

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.000	1.517	1.000	0.000

Air Zero Calibration, performed Tue Sep 21 11:19:14 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