Company PDC Energy
Well George 04N
Field Wattenberg
County Weld
State Colorado

Radial Cement
Gamma Ray
CCL, Temp

Company PDC Energy
Well George 04N
Field Wattenberg
County Weld State Colorado

Location: API #: 05-123-51777
1805' FNL & 2366' FEL
SEC 21 TWP 4N RGE 64W

Other Services: None

Permanent Datum GL Elevation 4718'
Log Measured From KB 25FT
Drilling Measured From KB

Elevation
K.B. 4743'
D.F. 4742'
G.L. 4718'

Date	13-June-2024
Run Number	One
Depth Driller	17989 FT
Depth Logger	7674 FT
Bottom Logged Interval	7671 FT
Top Log Interval	Surface
Open Hole Size	8.5"
Type Fluid	Water
Density / Viscosity	8.34 PPG
Max. Recorded Temp.	223°
Estimated Cement Top	2070 FT
Time Well Ready	ROA
Time Logger on Bottom	09:30
Equipment Number	836
Location	Greeley, CO
Recorded By	G. Lueck
Witnessed By	Garret

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36#	Surface	2015 FT
Prot. String				
Production String	5.5"	20#	Surface	17935 FT
Liner				

Final Copy

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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

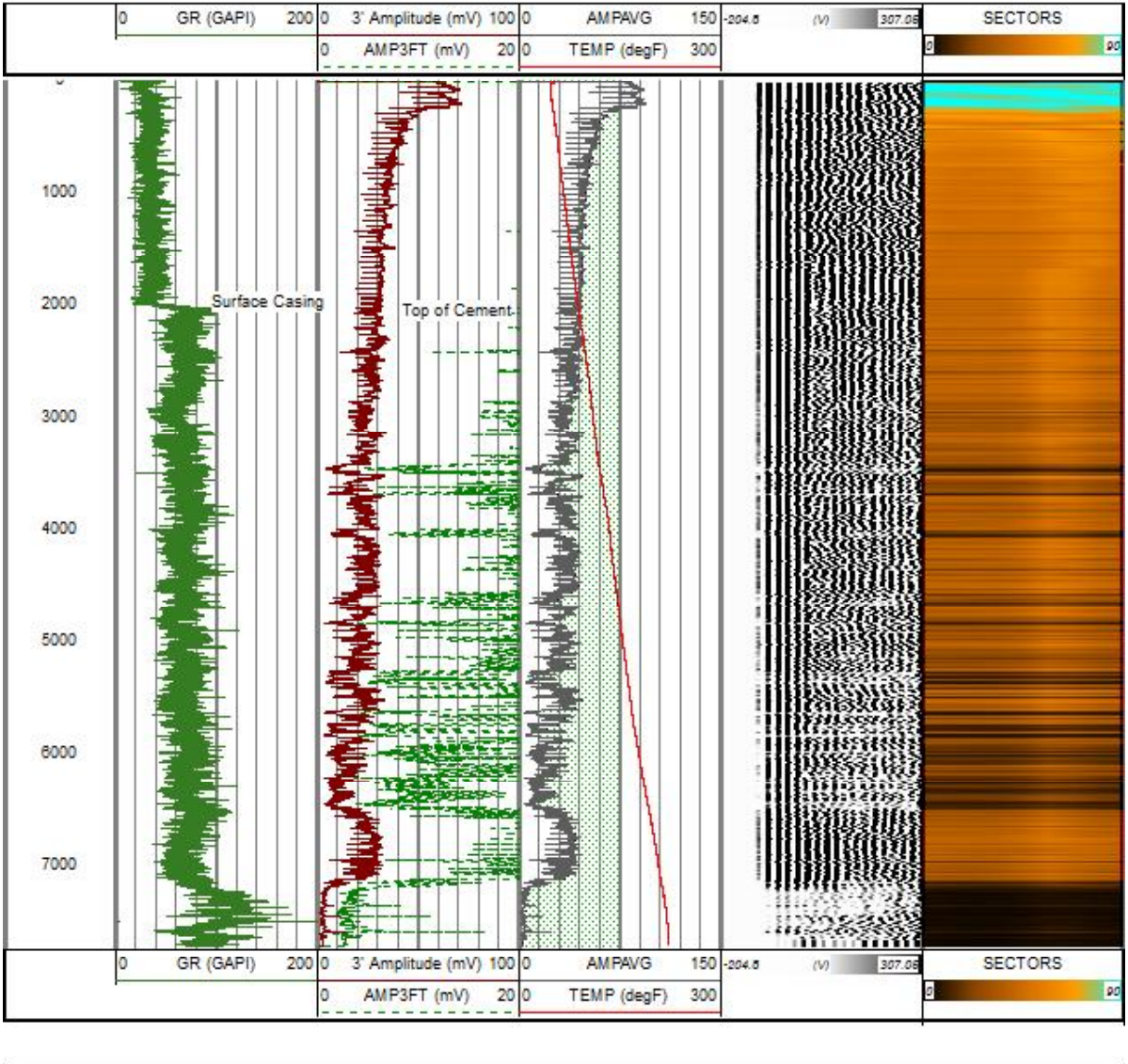
Depth Reference to Marker Joint at 6446-6456 FT

Log Ran Under 0 PSI Surface Induced Pressure
Tools were Clean and Clear of Debris

Thank You For Using Go Wireline!

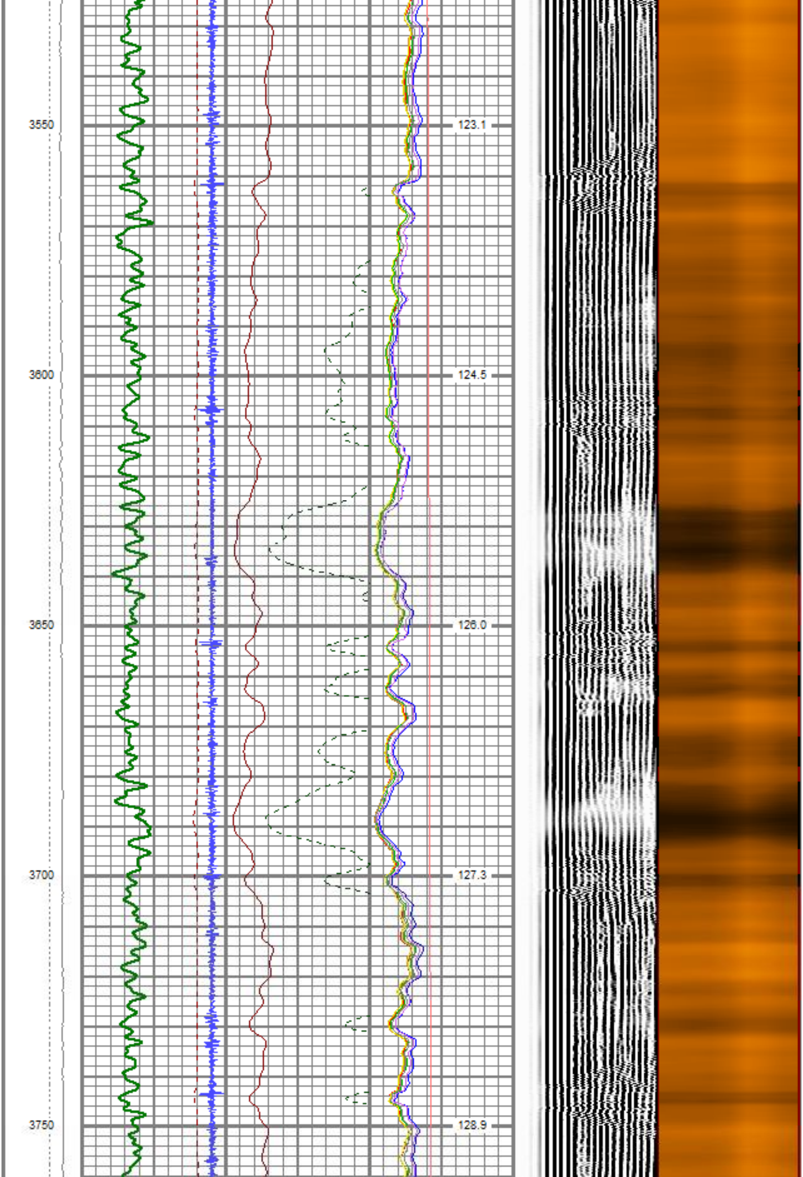
Main Pass

Database File pdc\pdc_george_4n_rcbl_final\pdc_george_4n_rcbl_final.db
Dataset Pathname pass_4.1
Presentation Format rbl_1inch_2020_t
Dataset Creation Thu Jun 13 10:50:01 2024
Charted by Depth in Feet scaled 1:15000



Main Pass

Database File pdc\pdc_george_4n_rcbl_final\pdc_george_4n_rcbl_final.db
Dataset Pathname pass_4.1
Presentation Format rbl_all_8_2020_t
Dataset Creation Thu Jun 13 10:50:01 2024
Charted by Depth in Feet scaled 1:240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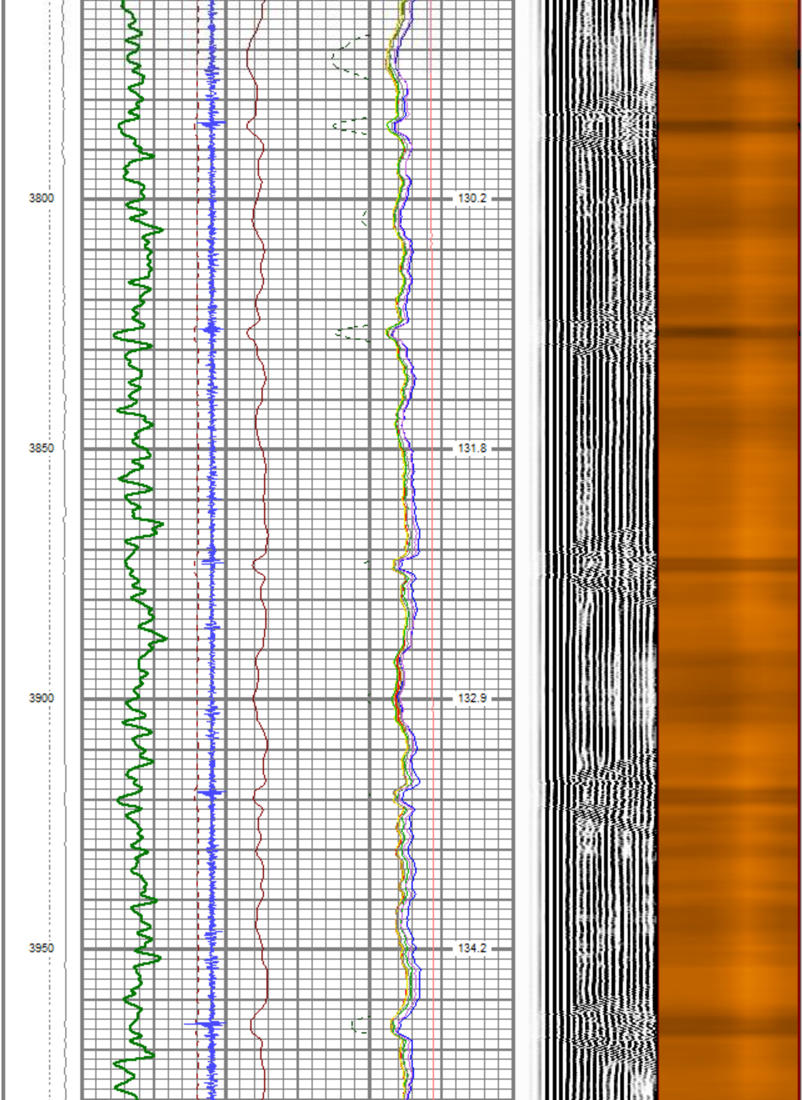
128.9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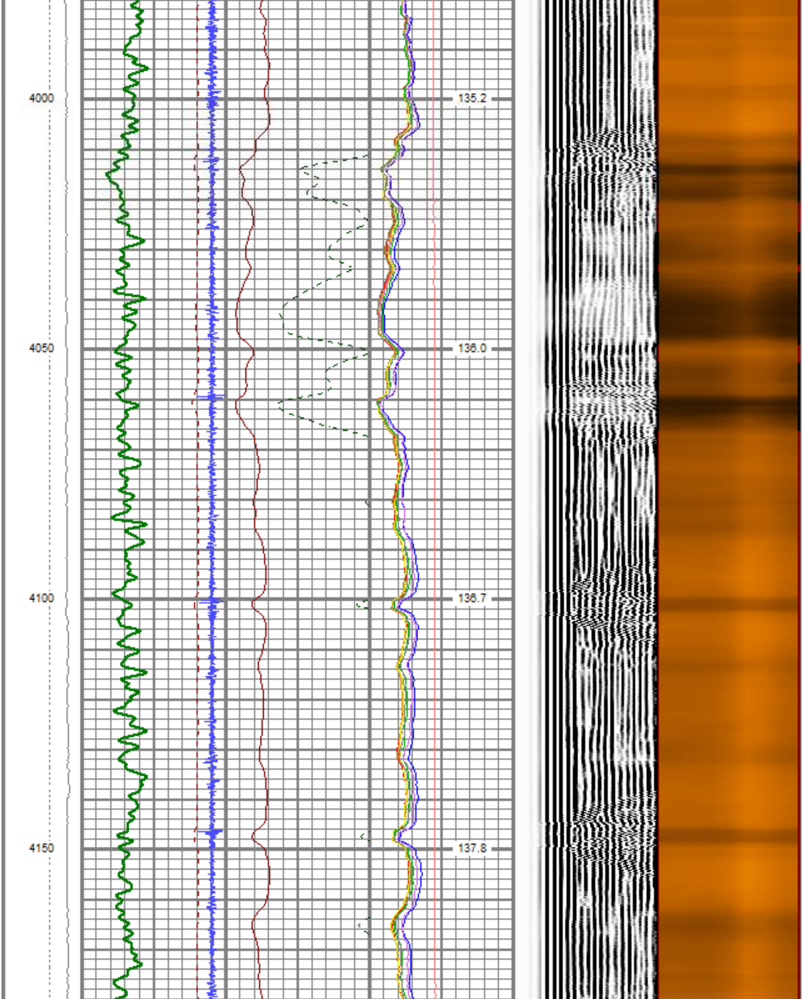
131.8
3900
132.9
3950
134.2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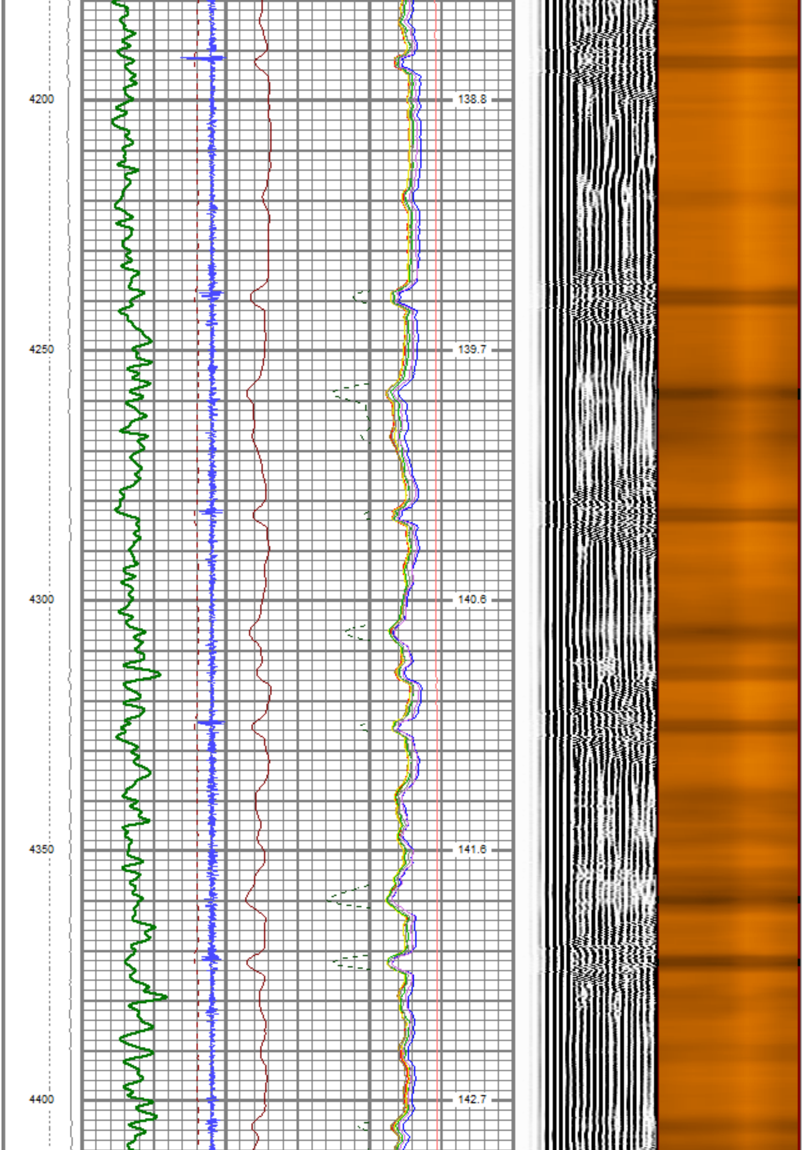
137.8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139.7
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140.6
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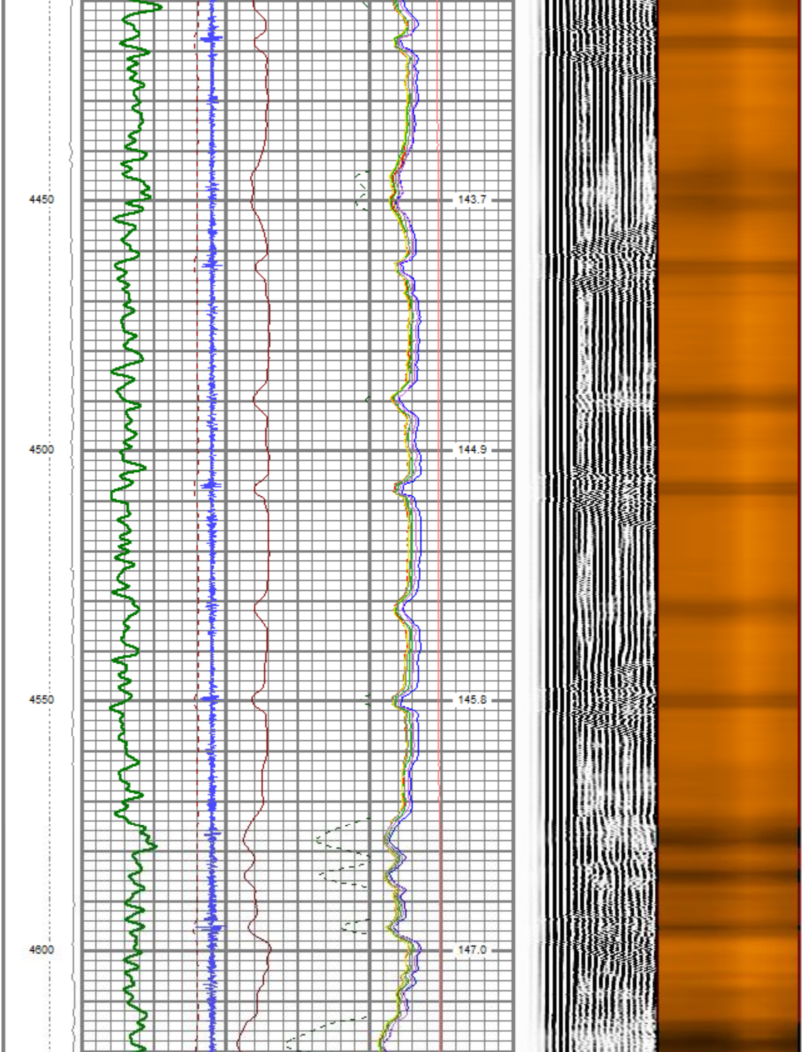
141.6
4400
142.7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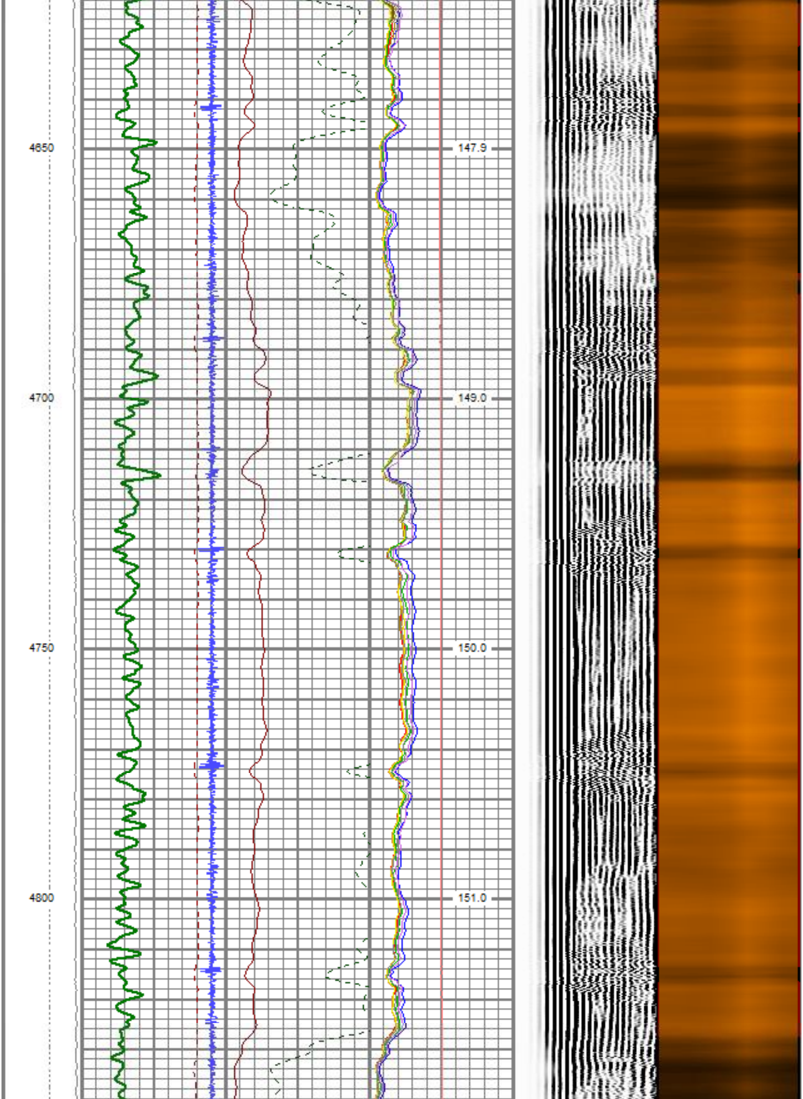
4500
144.9
4550
145.8
4600
147.0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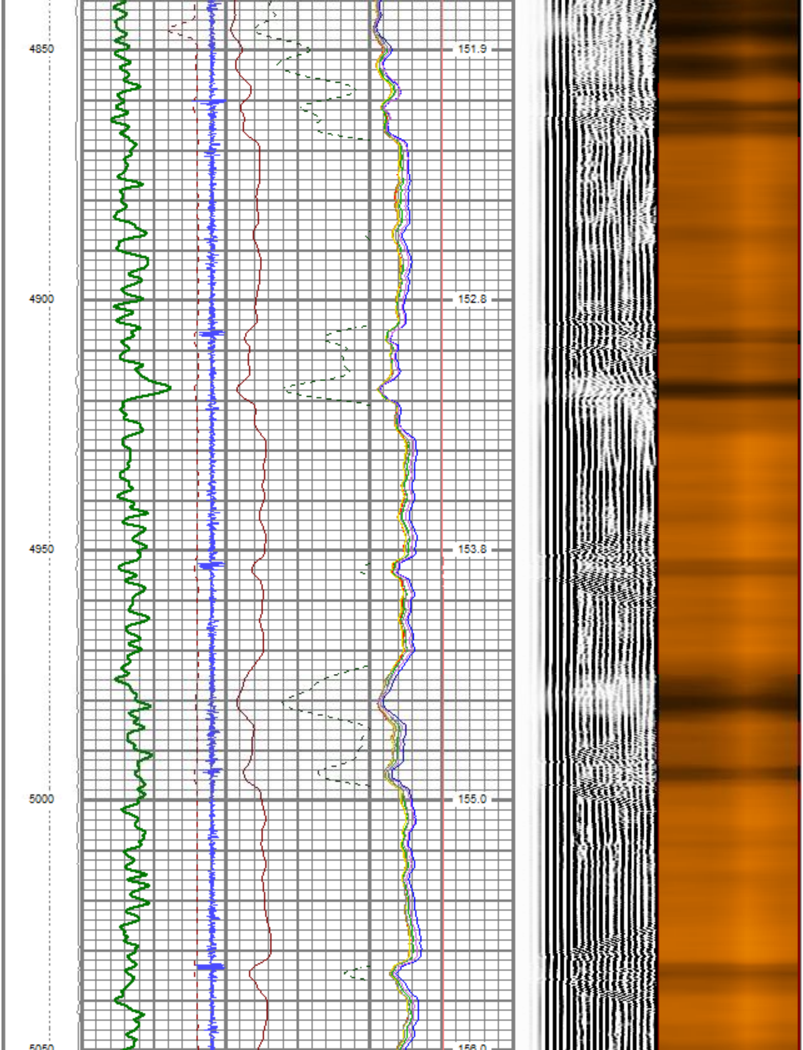
151.0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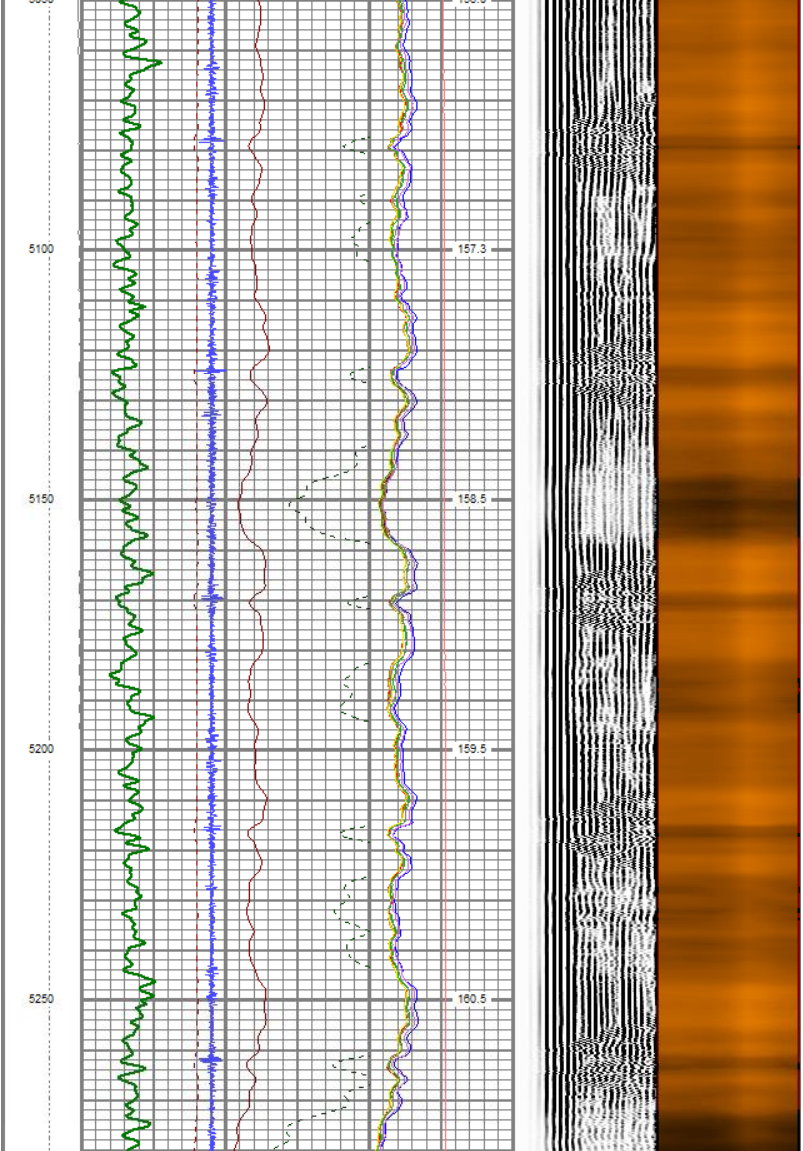

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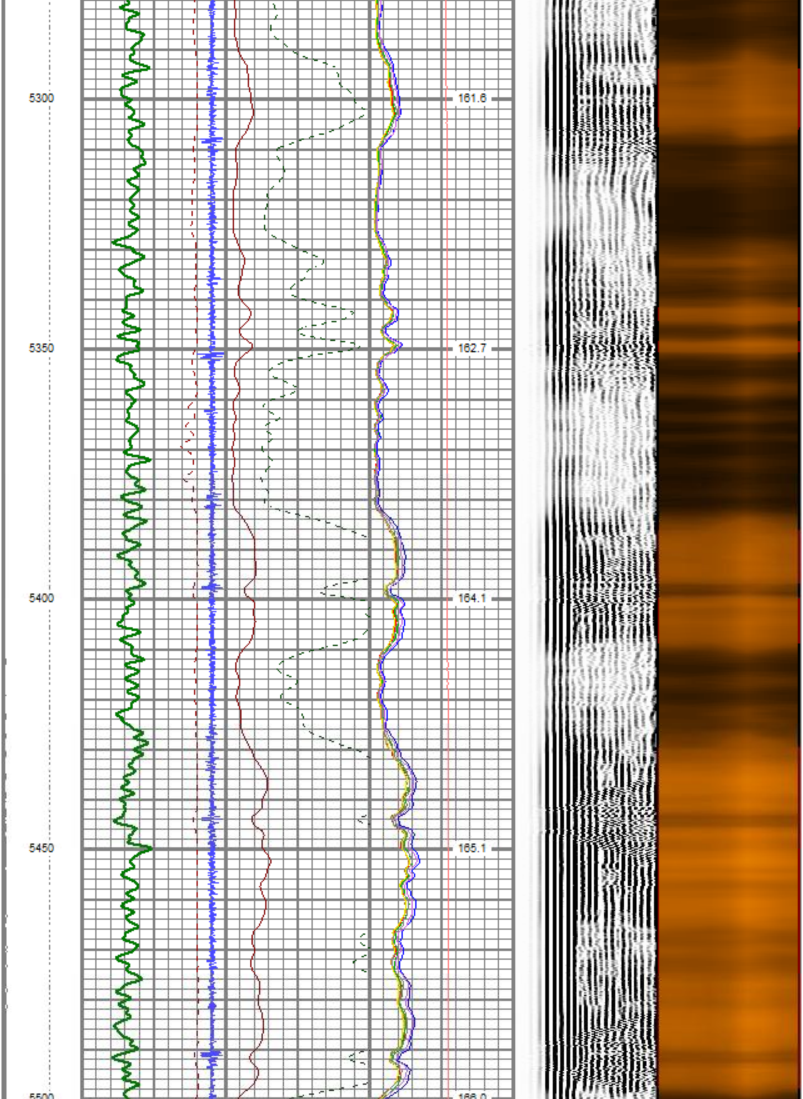
160.5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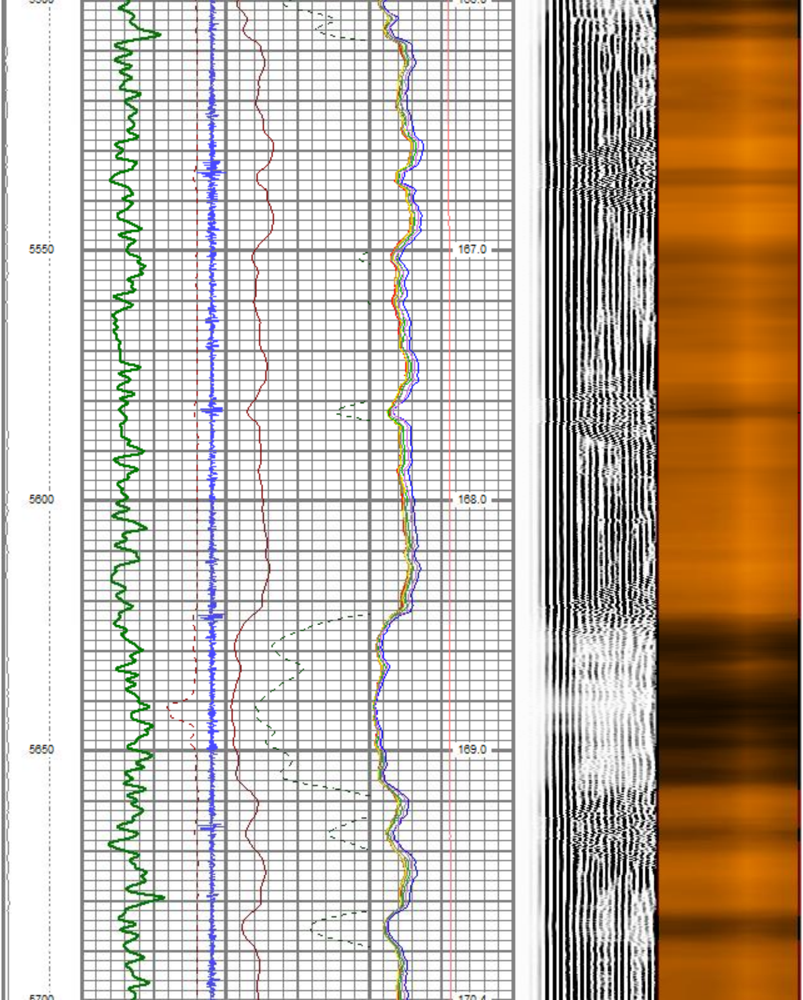
166.0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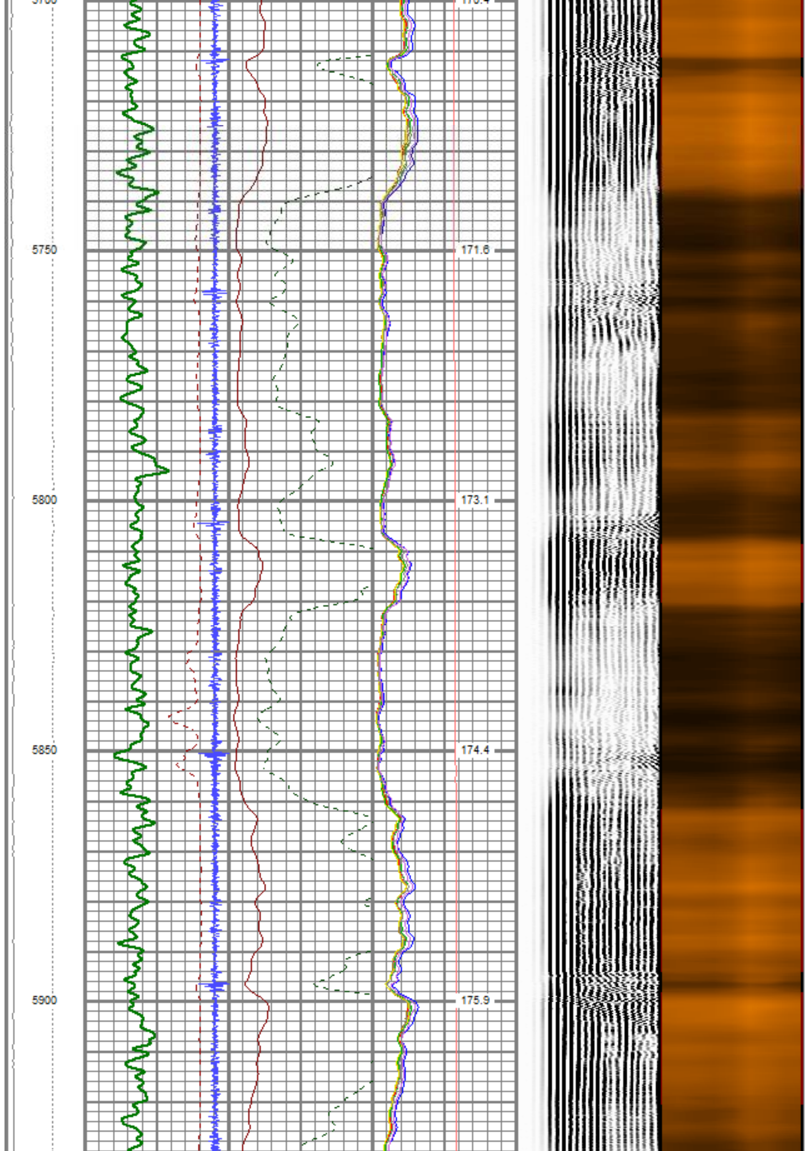
170.4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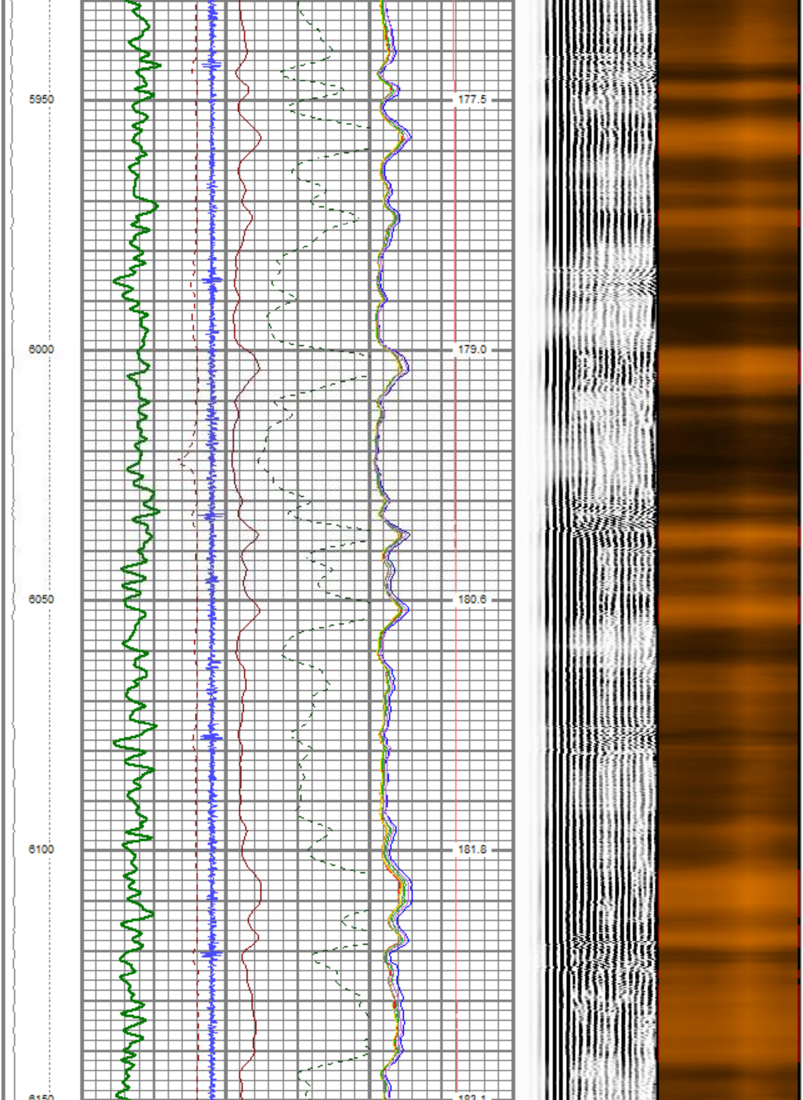
175.9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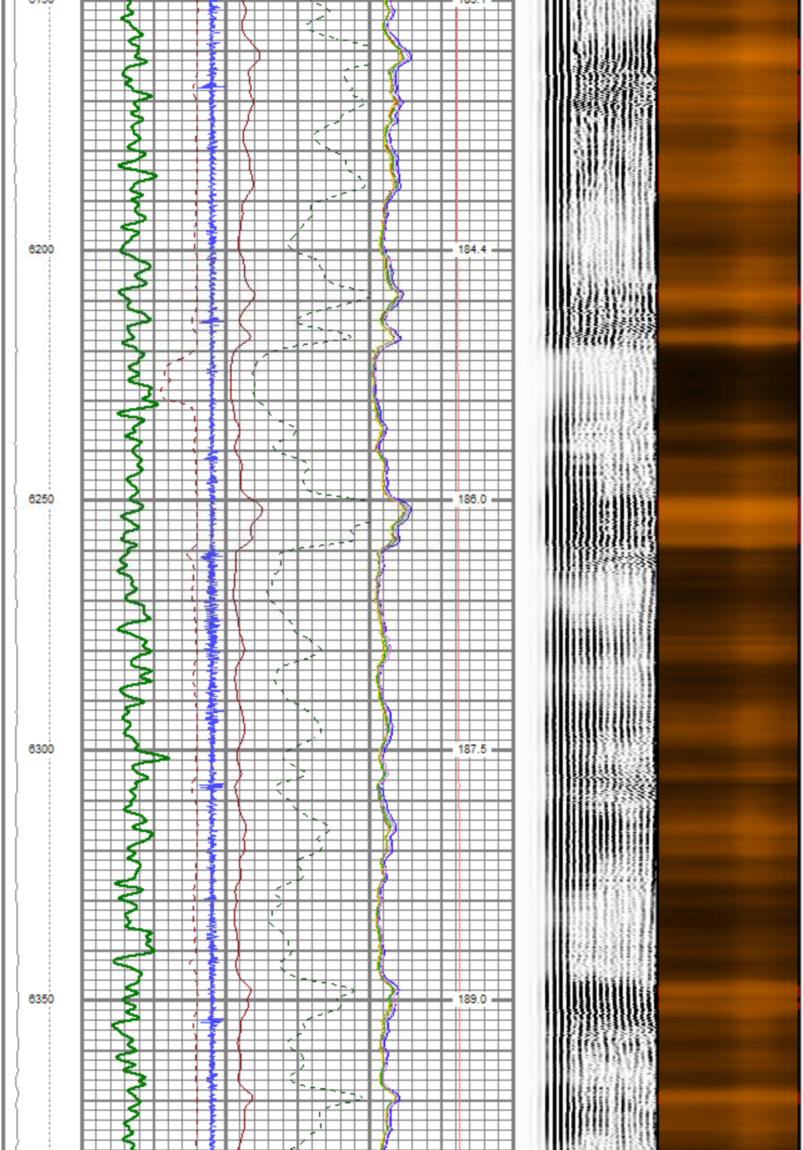
183.1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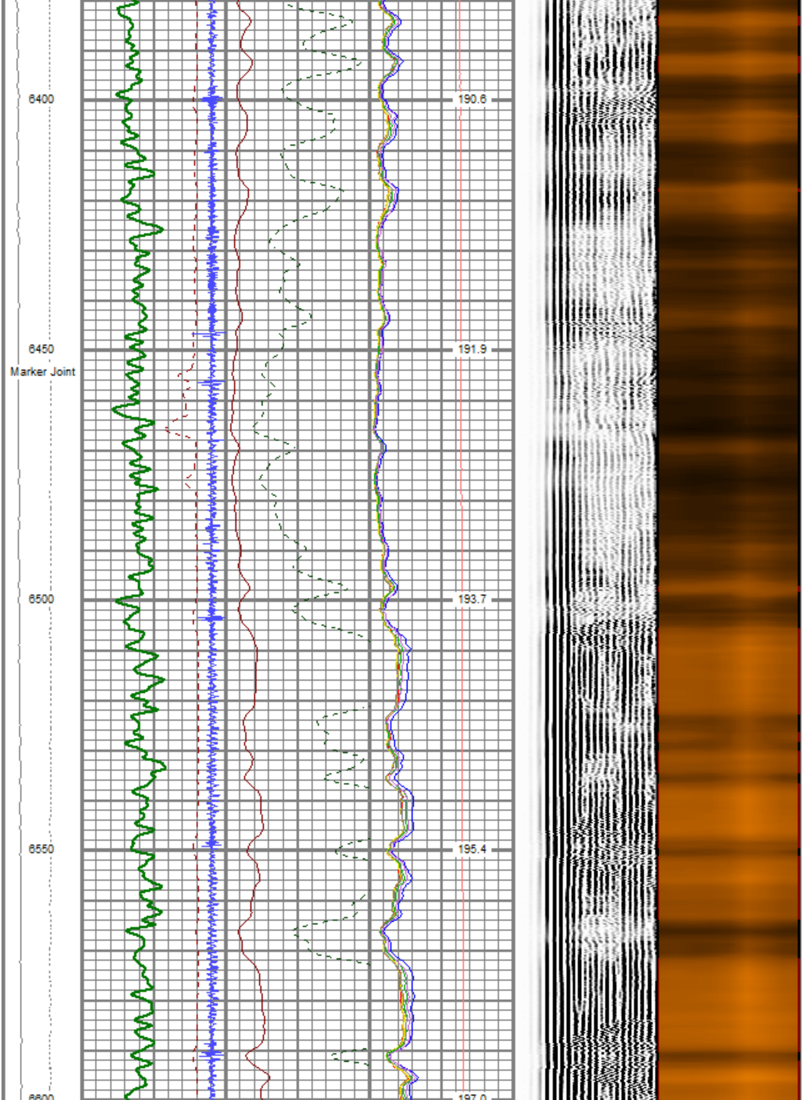
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191.9
Marker Joint
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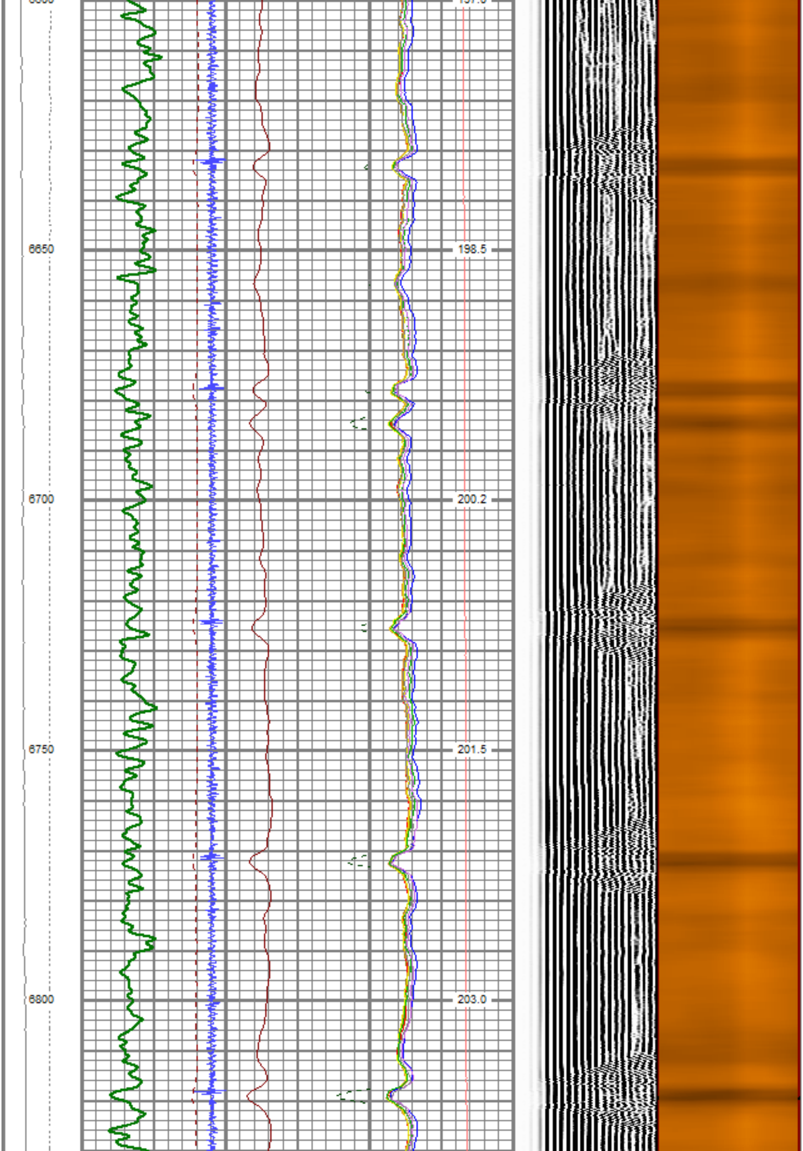
6600
197.0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201.5
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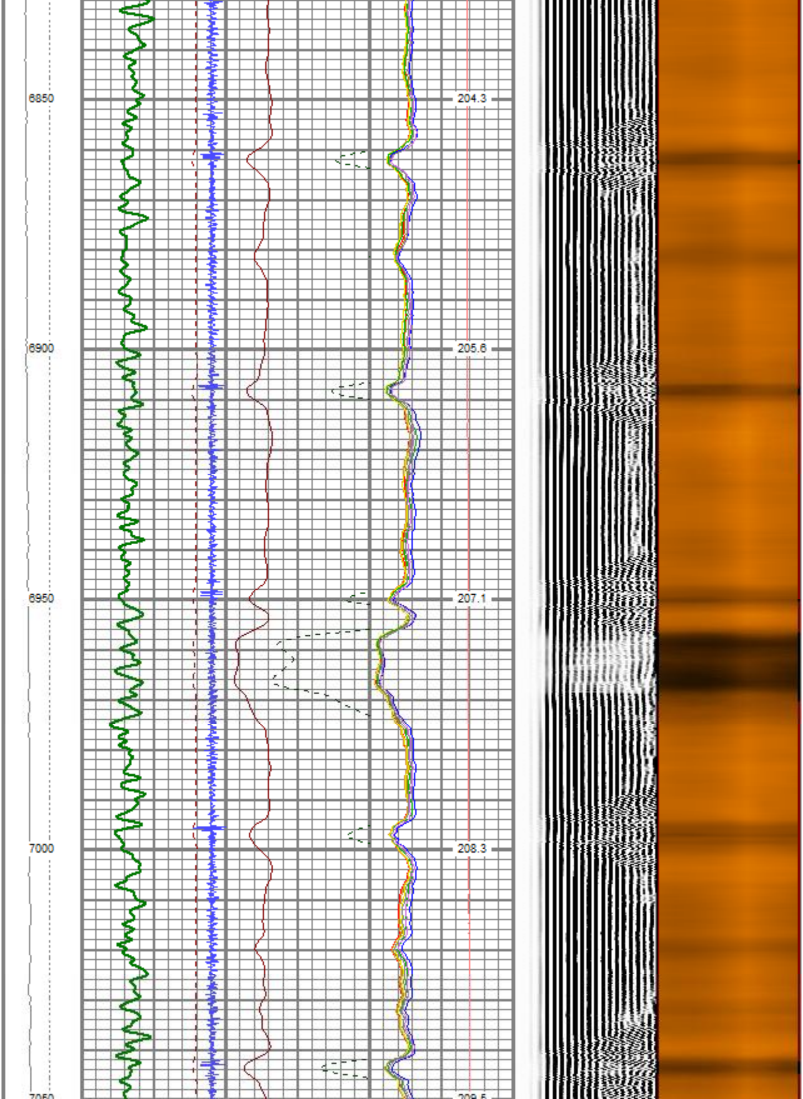
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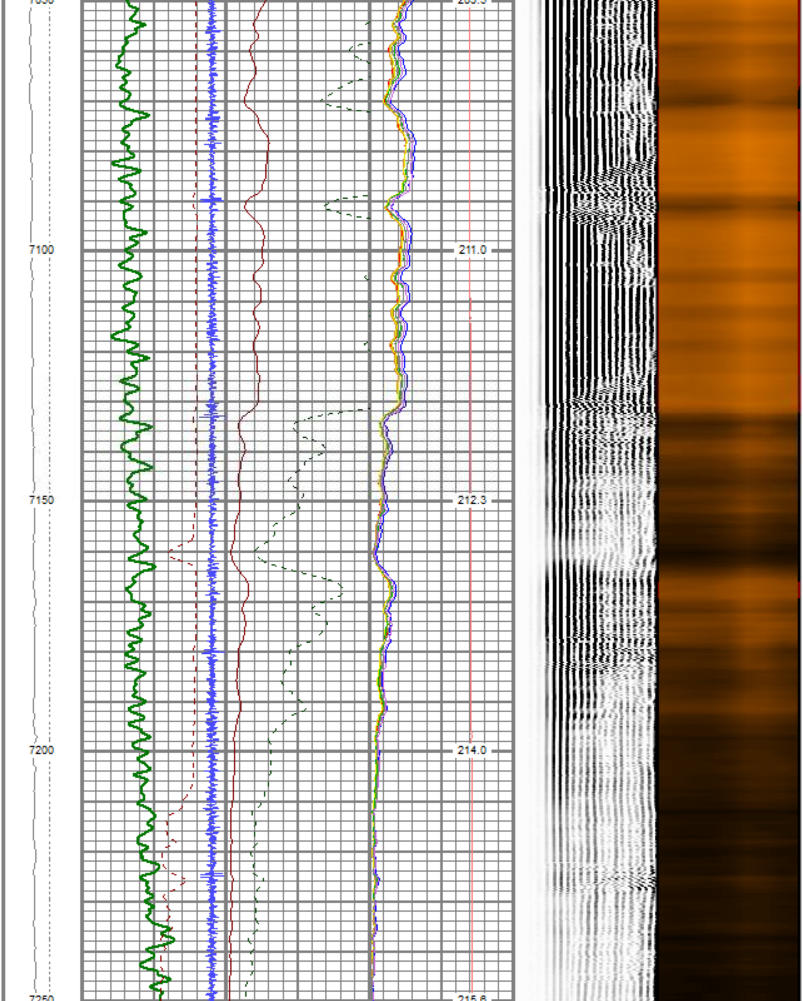
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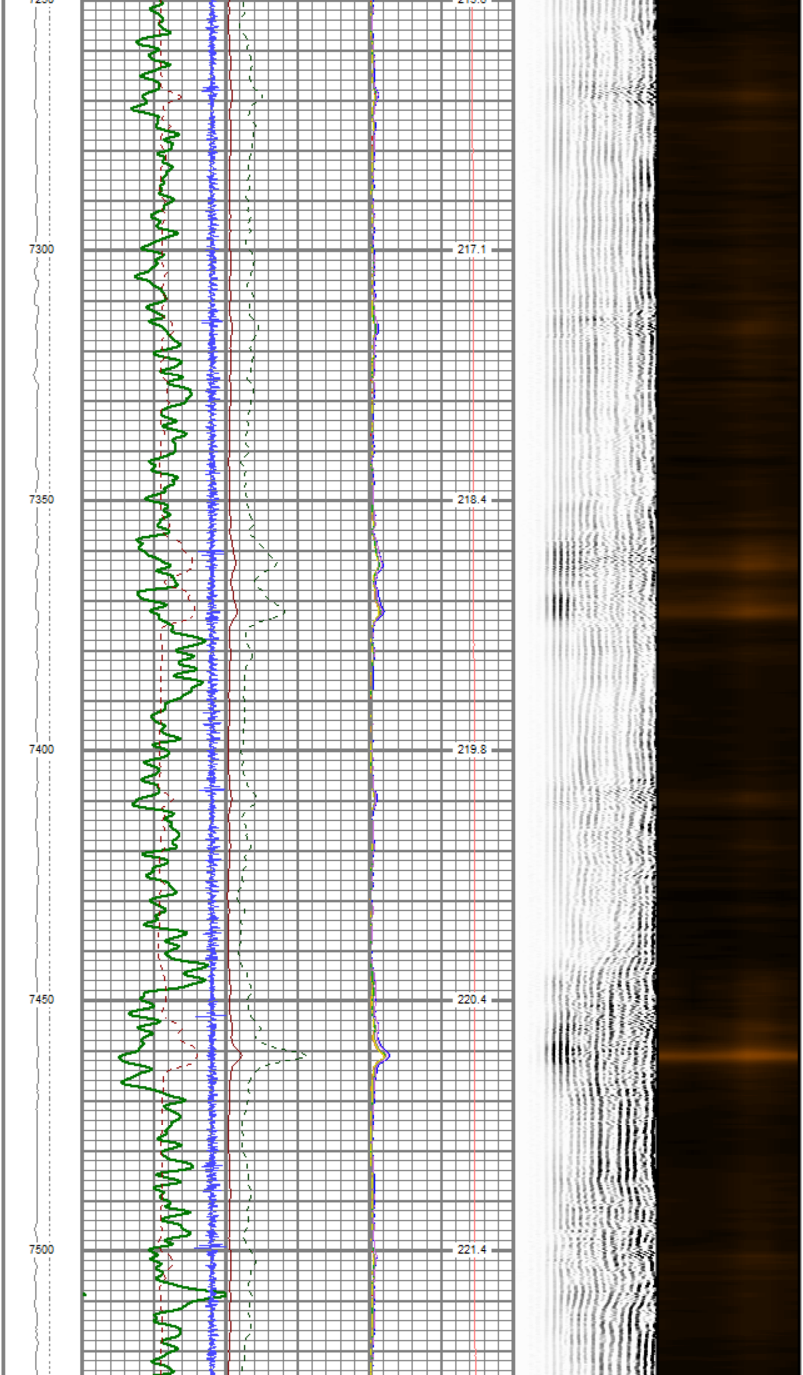
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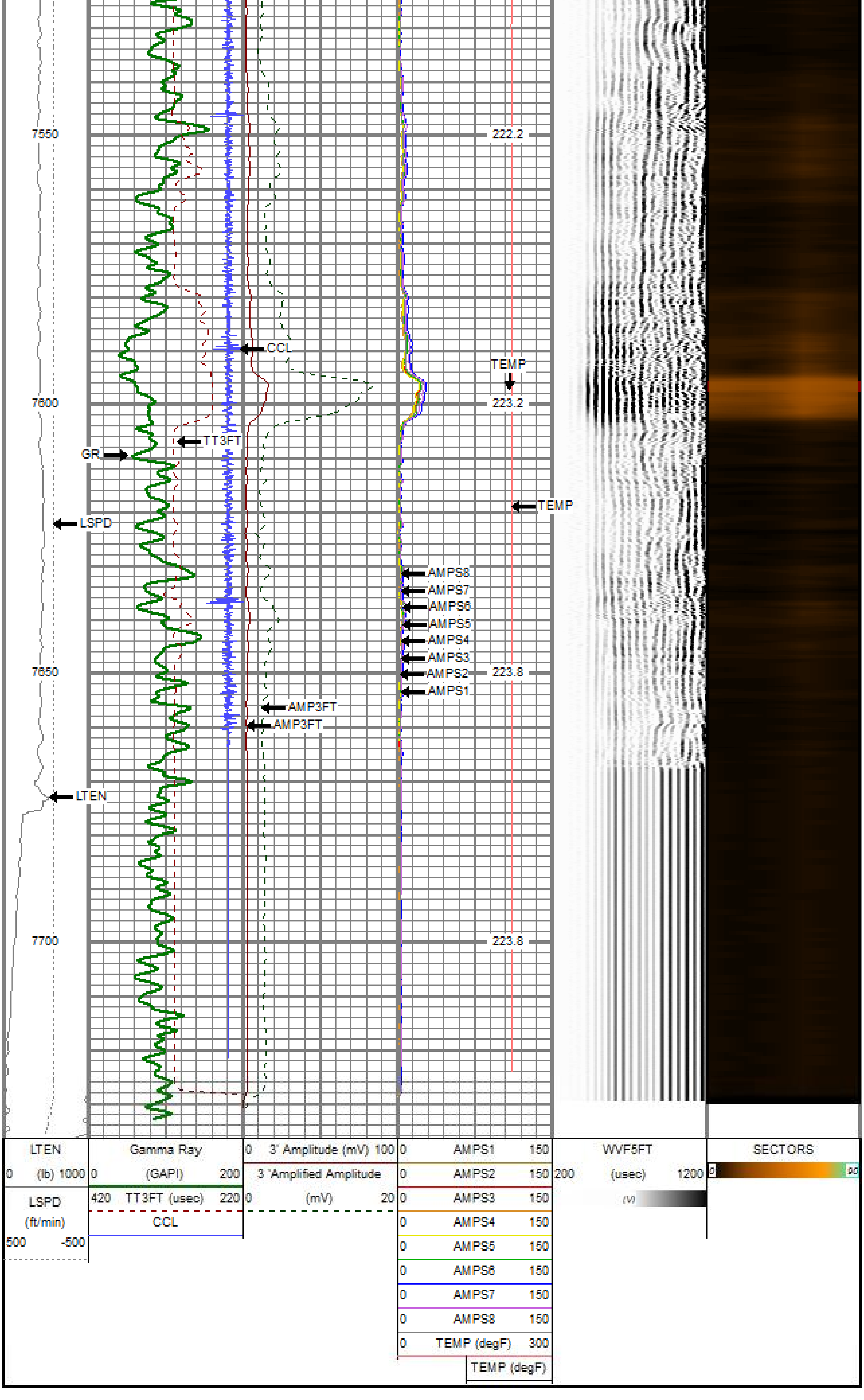
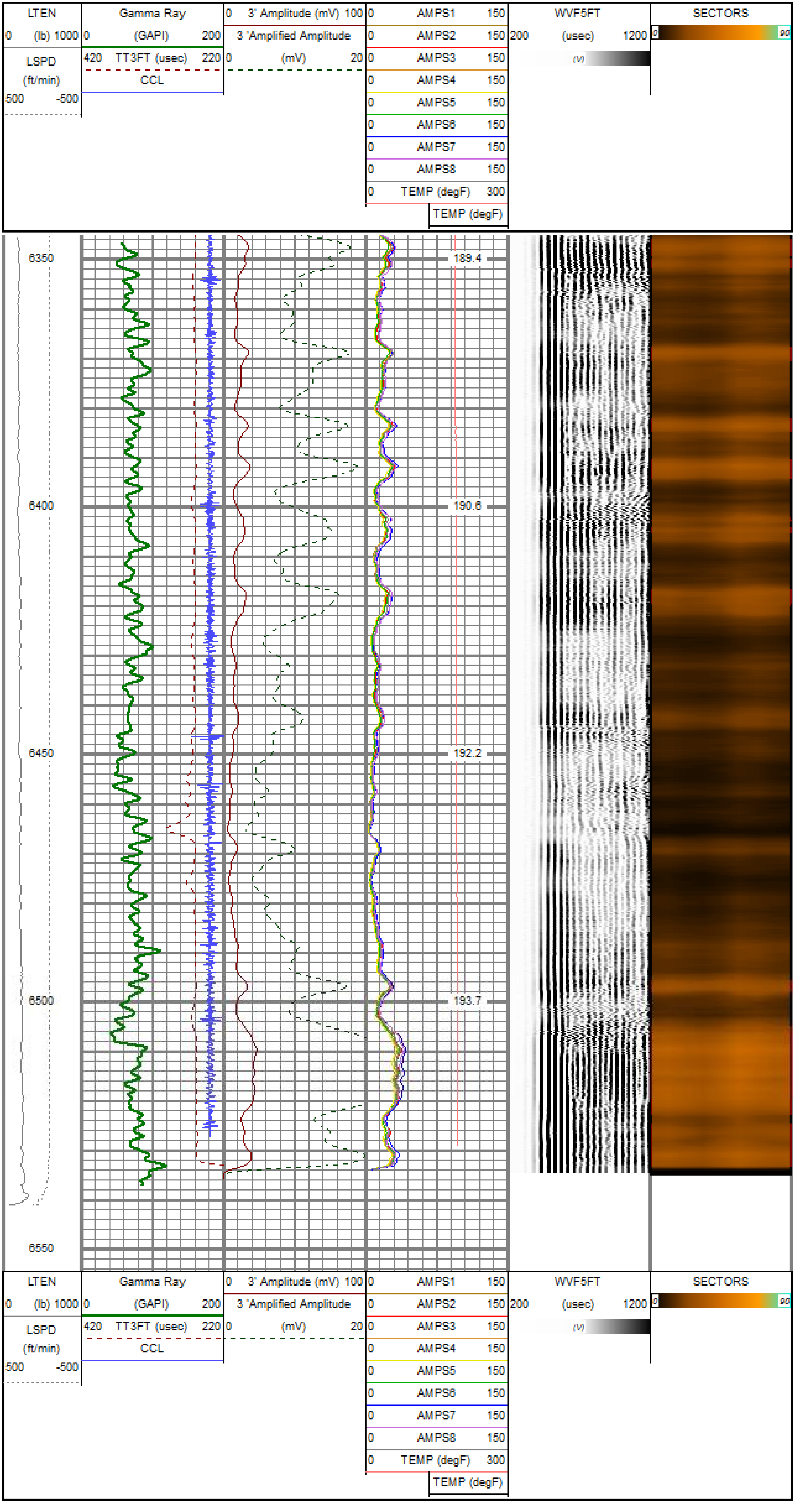


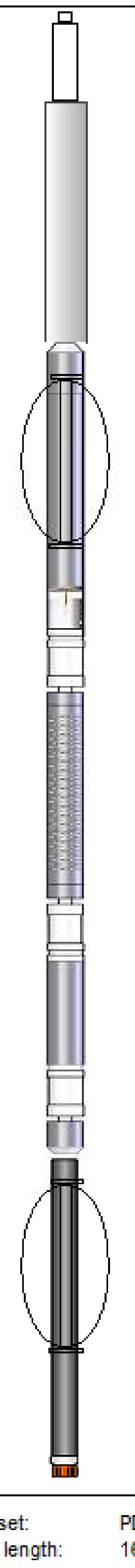
Repeat Pass

Database File	pdc\pdc_george_4n_rcbl_final\pdc_george_4n_rcbl_final.db
Dataset Pathname	pass_2
Presentation Format	rbl_all_8_2020_t
Dataset Creation	Thu Jun 13 09:25:08 2024
Charted by	Depth in Feet scaled 1:240



Sensor	Offset (ft)
CCL	14.04
TEMP	10.15
WVFS8	7.85
WVFS7	7.85
WVFS6	7.85
WVFS5	7.85
WVFS4	7.85
WVFS3	7.85
WVFS2	7.85
WVFS1	7.85
WVFCAL	7.85
WVF3FT	7.85
WVF5FT	6.85
GR	1.13

Schematic



Description	Length (ft)	O.D. (in)	Weight (lb)
CHD-AES (000001) Cable Head	1.04	1.69	2.00
CCL-CC275-0100 (CC275-0100_base) Probe 6 MAGNET CCL	2.72	2.75	30.00
CENT-Overbody	2.00	4.50	3.00
PROBE-RBT-DIGITAL-RBL-DCT (140139_DD1) Probe 2 3/4" Radii Bond with Temp-Corrosion Package	9.21	2.75	105.00
CENT-Overbody	2.00	4.50	3.00
GR-probe 2.75 (080632)	3.67	2.75	100.00

Dataset:	PDC_George_4N_RCBL_Final.db: field/well/run1/pass_4.1
Total length:	16.63 ft
Total weight:	243.00 lb
O.D.:	4.50 in

Calibration Report

Database File	C:\ProgramData\Warrior\Data\PDC\PDC_George_4N_RCBL_Final\PDC_George_4N_RCBL_Final.db
Dataset Pathname	pass_4.1
Dataset Creation	Thu Jun 13 10:50:01 2024

Gamma Ray Calibration Report

Serial Number:	080632	
Tool Model:	probe 2.75	
Performed:	Wed Aug 30 13:58:17 2023	
Calibrator Value:	207.0	GAPI
Background Reading:	112.3	cps
Calibrator Reading:	404.7	cps
Sensitivity:	0.7080	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	140139_DD1	
Tool Model:	RBL-DCT	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	151.208	ft

Master Calibration, performed (Derived):

	Raw (v) Zero	Raw (v) Cal	Calibrated (mv) Zero	Calibrated (mv) Cal	Results Gain	Results Offset
3'	-0.000	0.916	0.500	71.921	77.939	0.521
CAL	0.014	1.025				
5'	-0.004	0.874	0.500	71.921	81.365	0.841
SUM						
S1	-0.008	1.049	0.000	100.000	94.591	0.729
S2	0.000	1.054	0.000	100.000	94.837	-0.003
S3	0.000	1.005	0.000	100.000	99.466	-0.003
S4	0.000	0.937	0.000	100.000	106.765	-0.003
S5	0.000	0.888	0.000	100.000	112.618	-0.004
S6	-0.000	0.883	0.000	100.000	113.240	0.042
S7	0.000	0.984	0.000	100.000	101.635	-0.004
S8	-0.000	1.038	0.000	100.000	96.347	0.036

Air Zero Calibration, performed Wed Jun 12 13:22:55 2024:

	Raw (v) Zero	Calibrated (v) Zero	Results 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

Temperature Calibration Report

Serial Number:	140139_DD1			
Tool Model:	RBL-DCT			
Performed:	Sun Nov 19 10:23:30 2023			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	0.82			
Offset:	0.00			
Delta Spacing	1			

Company	PDC Energy
Well	George 04N
Field	Wattenberg
County	Weld
State	Colorado

Country