Company	PDC Energy
Well	George 03NA
Field	Wattenberg
County	Weld
State	Colorado

Radial Cement
Gamma Ray
CCL, Temp

Company PDC Energy
Well George 03NA
Field Wattenberg
County Weld State Colorado

Location: API #: 05-123-51782
1794' FNL & 2376' FEL
SEC 21 TWP 4N RGE 64W

Other Services: None

Permanent Datum	GL	Elevation 4717'	Elevation
Log Measured From	KB	25FT	K.B. 4742'
Drilling Measured From	KB		D.F. 4741'
			G.L. 4717'

Date	13-June-2024
Run Number	One
Depth Driller	17953 FT
Depth Logger	7700 FT
Bottom Logged Interval	7697 FT
Top Log Interval	Surface
Open Hole Size	8.5"
Type Fluid	Water
Density / Viscosity	8.34 PPG
Max. Recorded Temp.	220°
Estimated Cement Top	2054 FT
Time Well Ready	ROA
Time Logger on Bottom	11:30
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	2017 FT
Prot. String				
Production String	5.5"	20#	Surface	18147 FT
Liner				

Final Copy

<<< 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

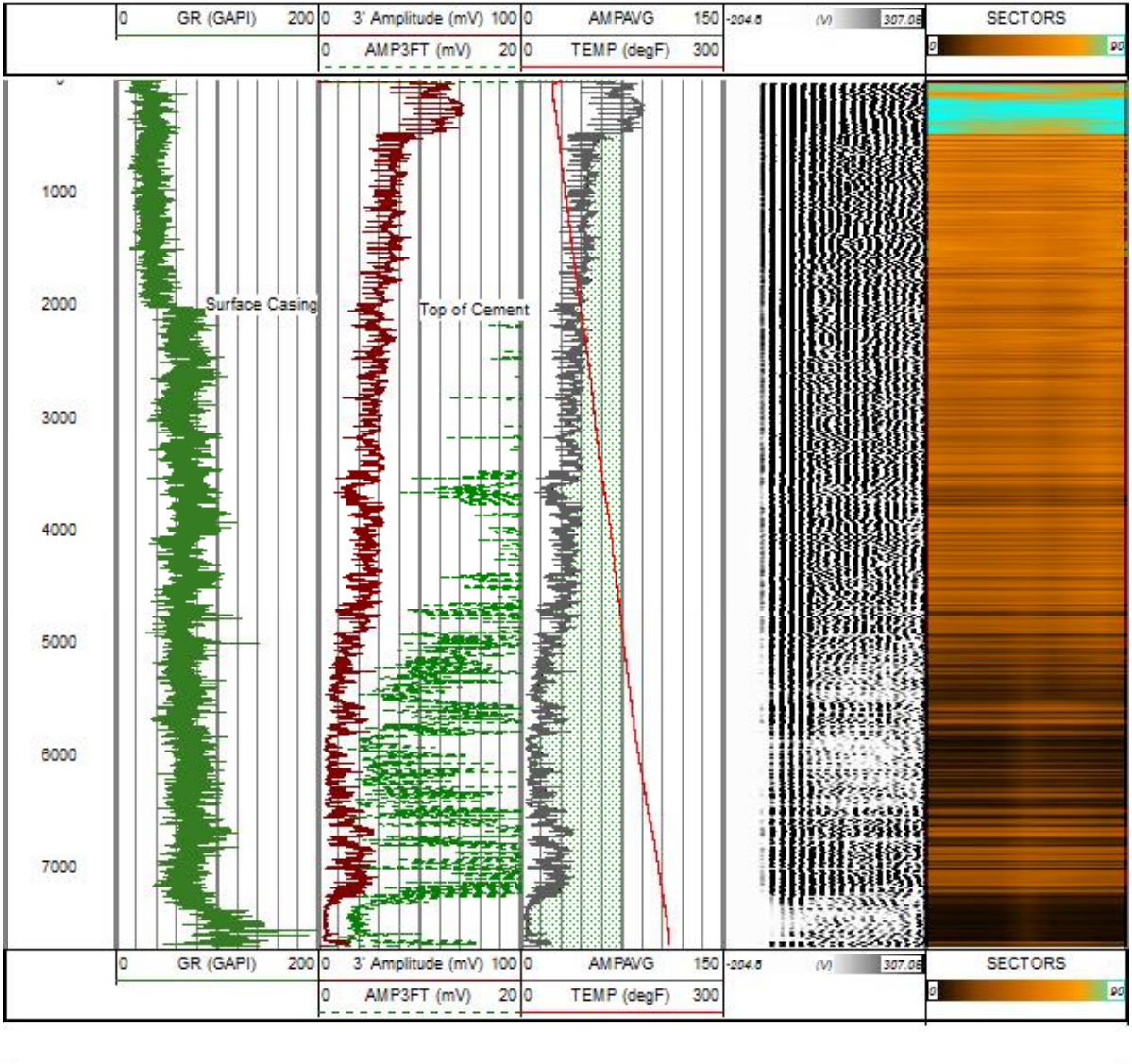
Depth Reference to Marker Joint at 6470-6490 FT

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

Thank You For Using Go Wireline!

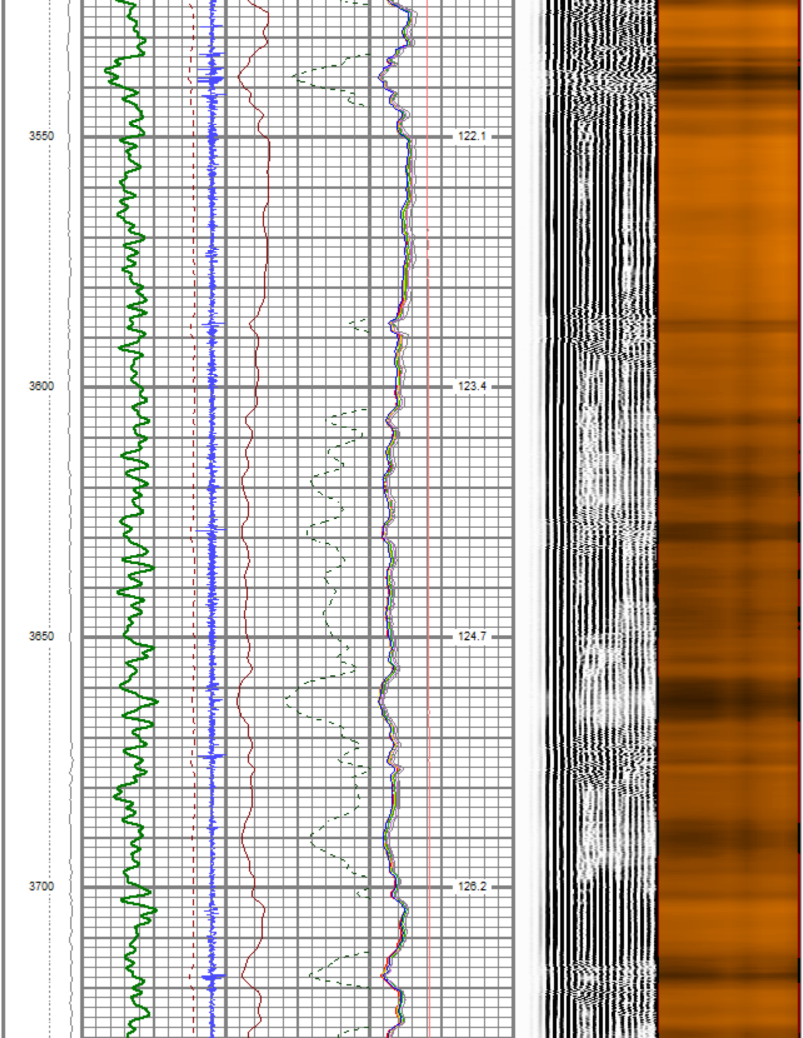
Main Pass

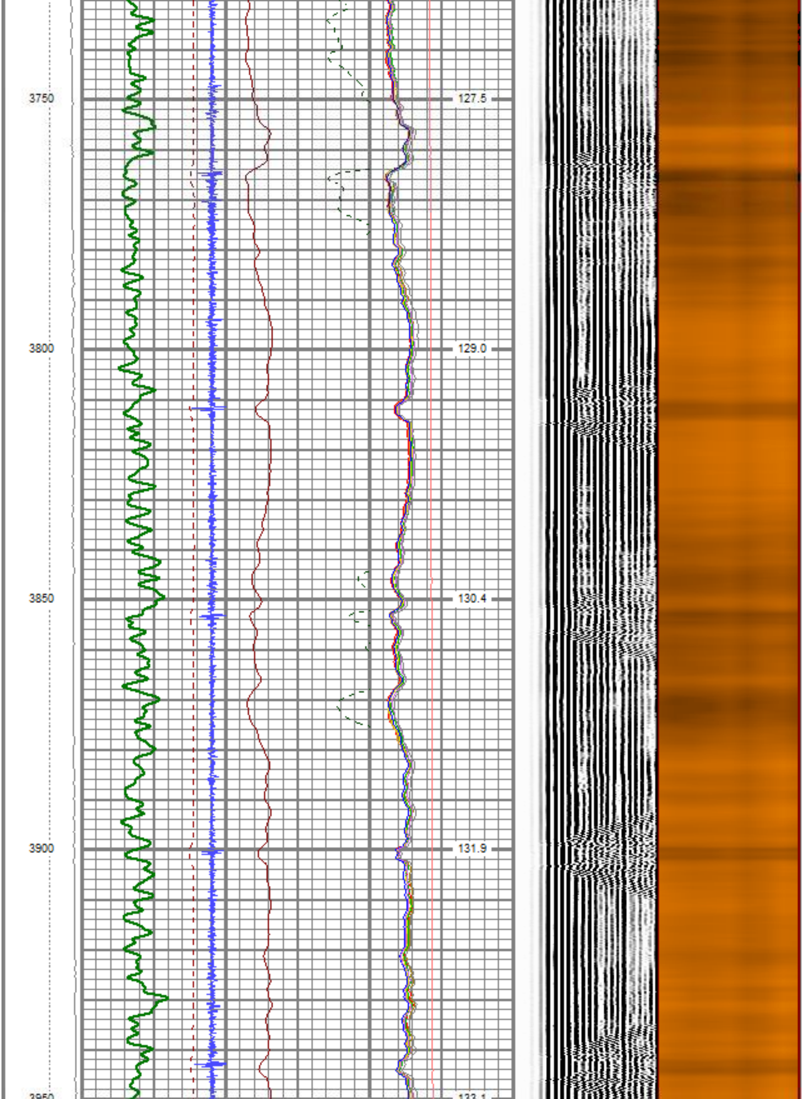
Database File	pdc\pdc_george_3na_rcbl_final\pdc_george_3na_rcbl_final.db
Dataset Pathname	pass5.1
Presentation Format	rbl_1inch_2020_t
Dataset Creation	Thu Jun 13 12:54:57 2024
Charted by	Depth in Feet scaled 1:15000

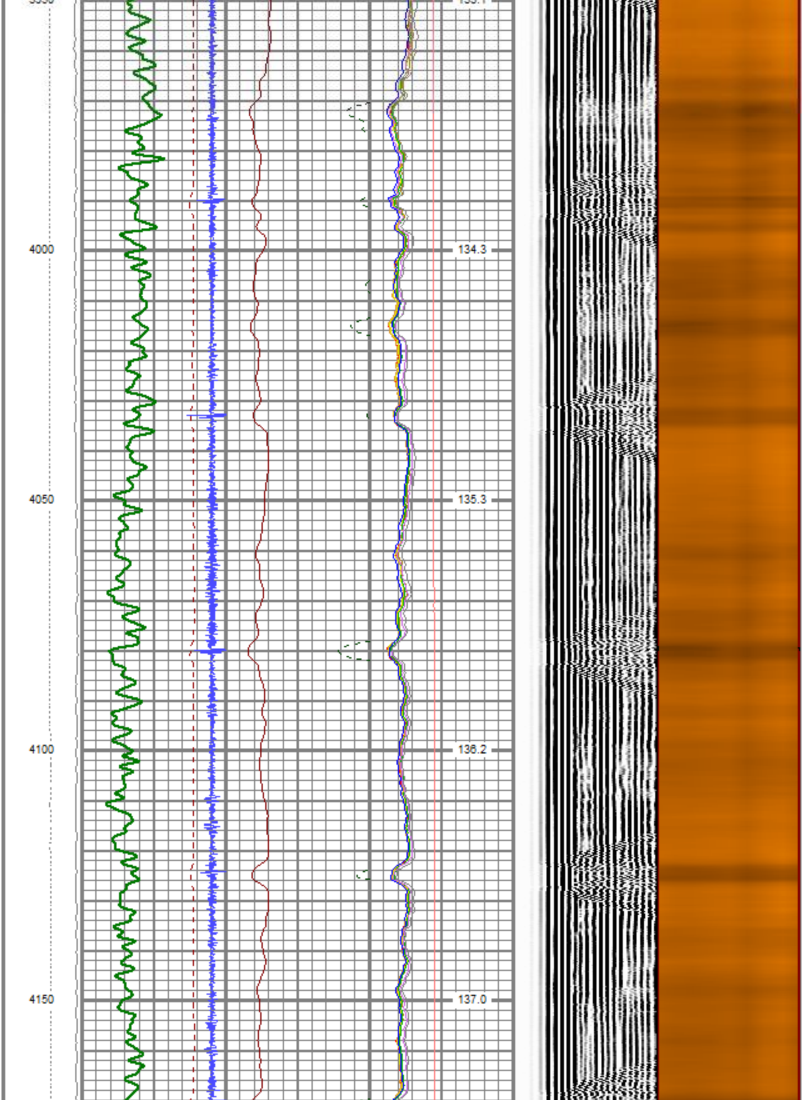


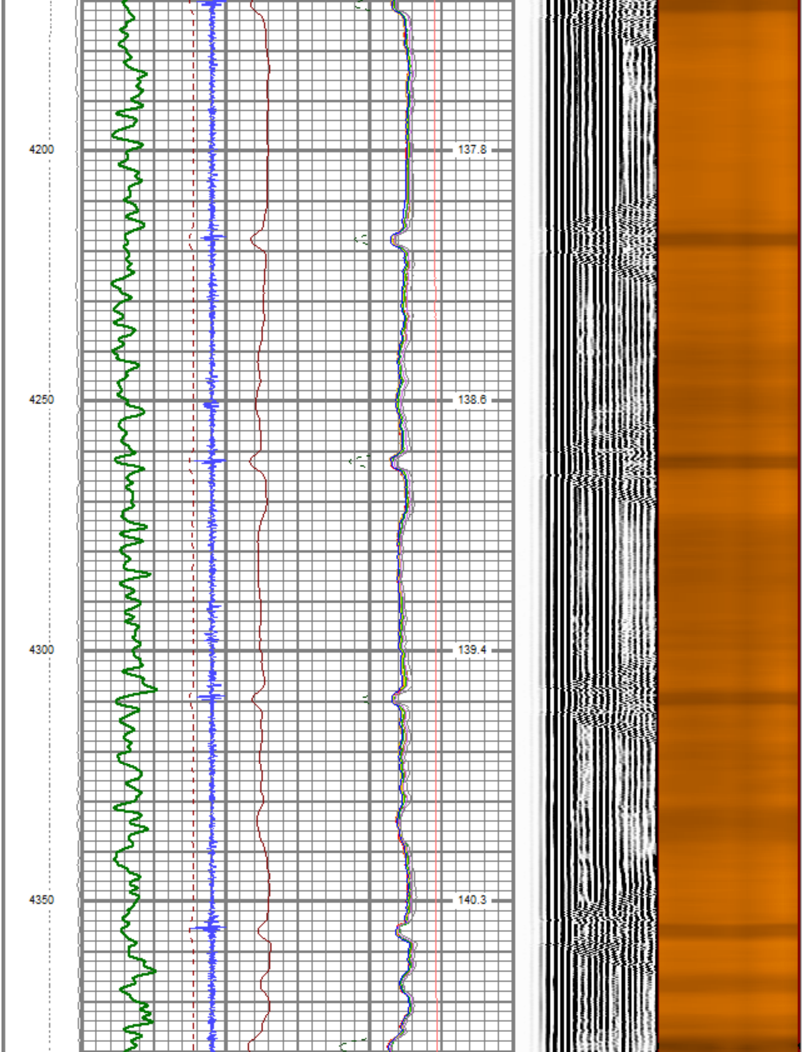
Main Pass

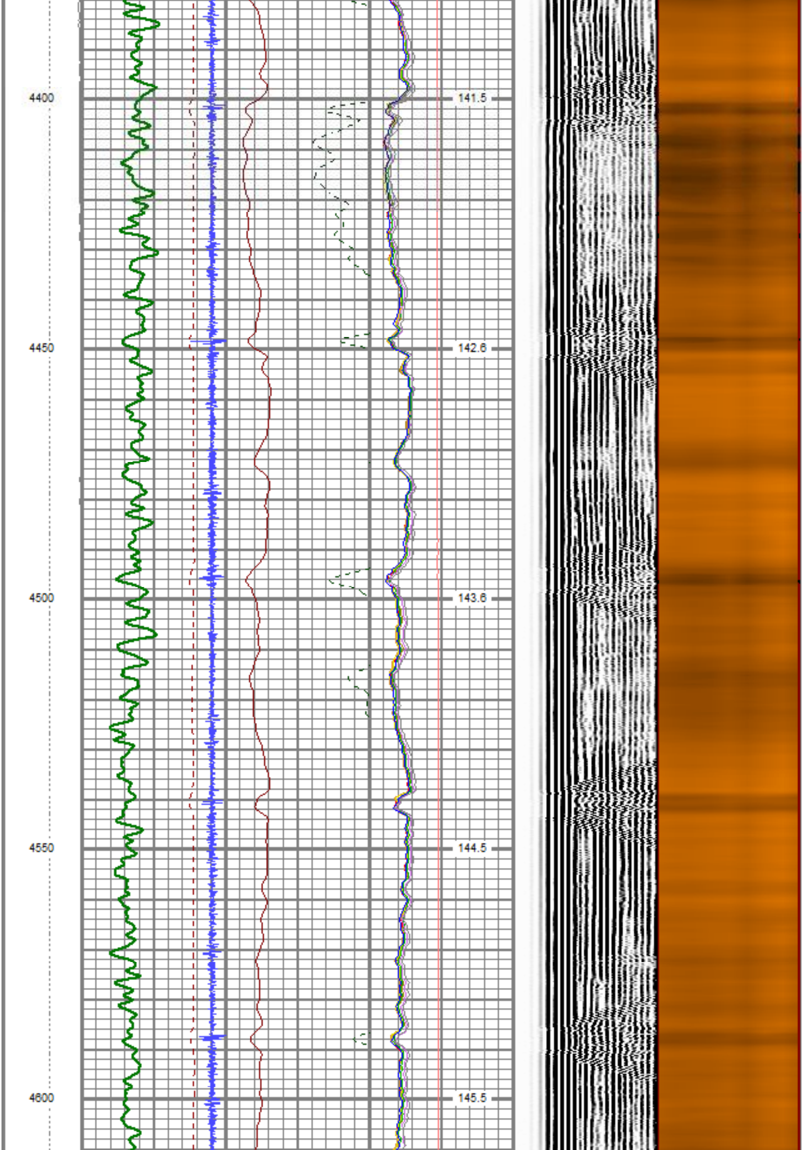
Database File	pdc\pdc_george_3na_rcbl_final\pdc_george_3na_rcbl_final.db
Dataset Pathname	pass5.1
Presentation Format	rbl_all_8_2020_t
Dataset Creation	Thu Jun 13 12:54:57 2024
Charted by	Depth in Feet scaled 1:240

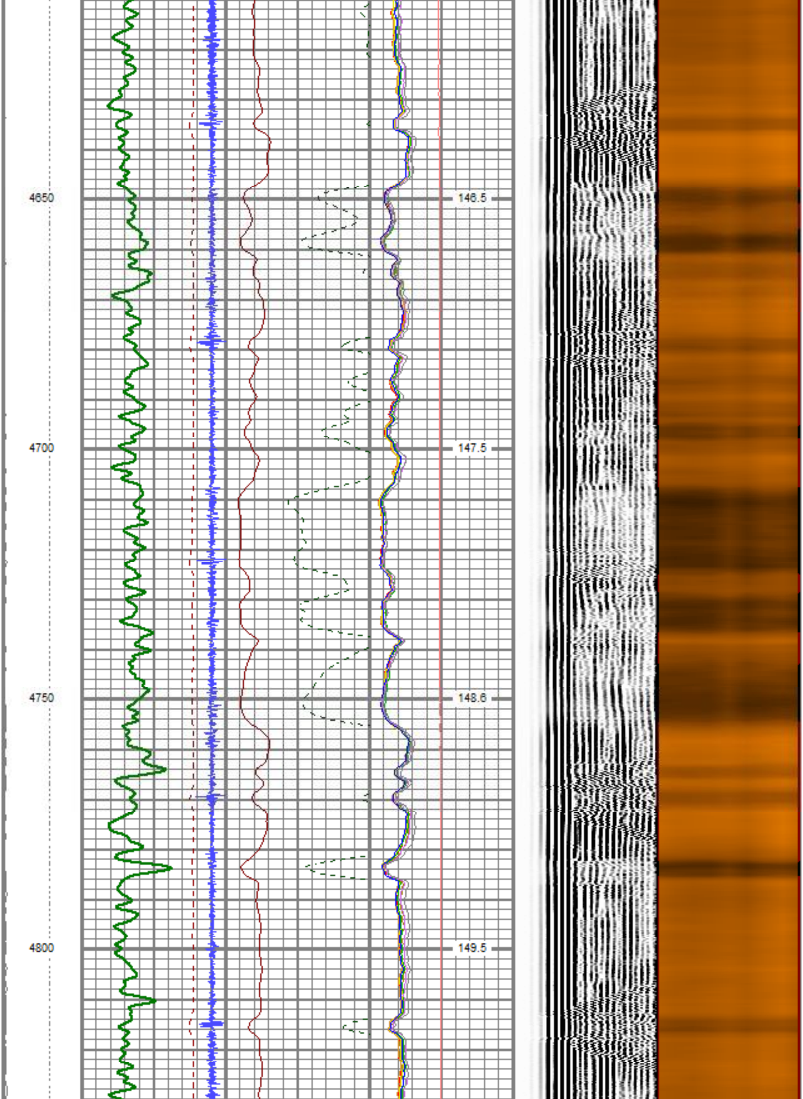

3550
122.1
3600
123.4
3650
124.7
3700
126.2

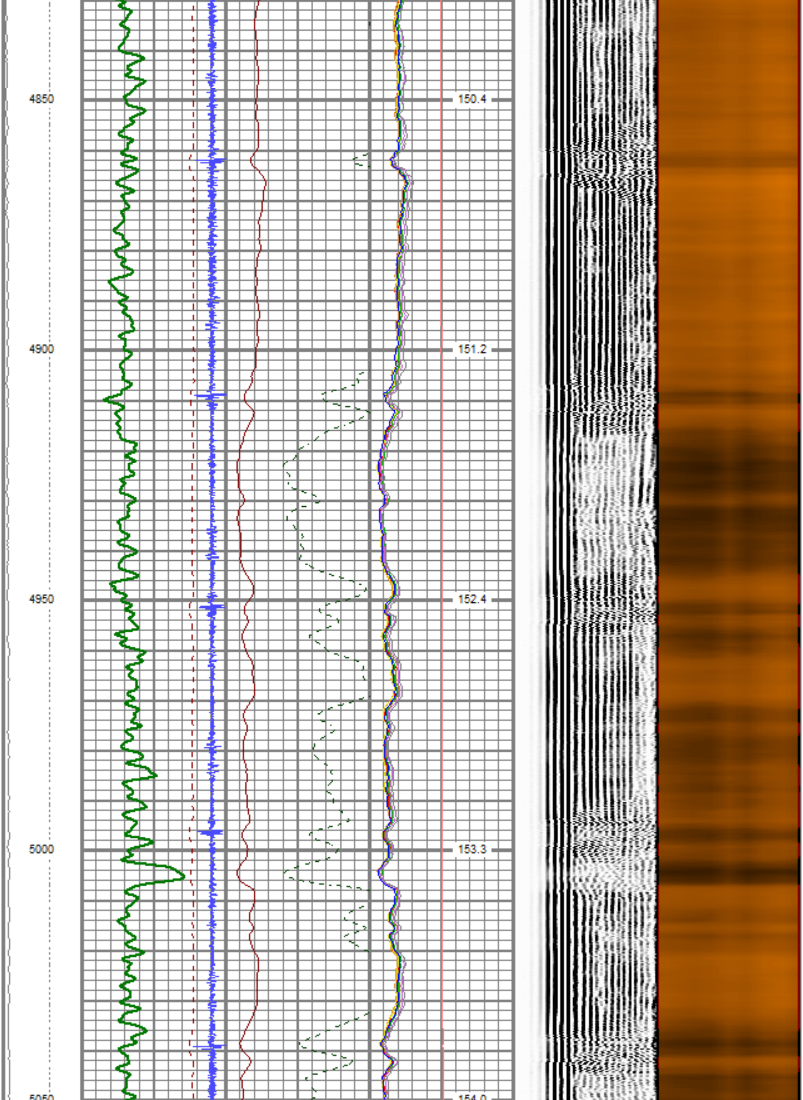

3750
127.5
3800
129.0
3850
130.4
3900
131.9
3950
133.1

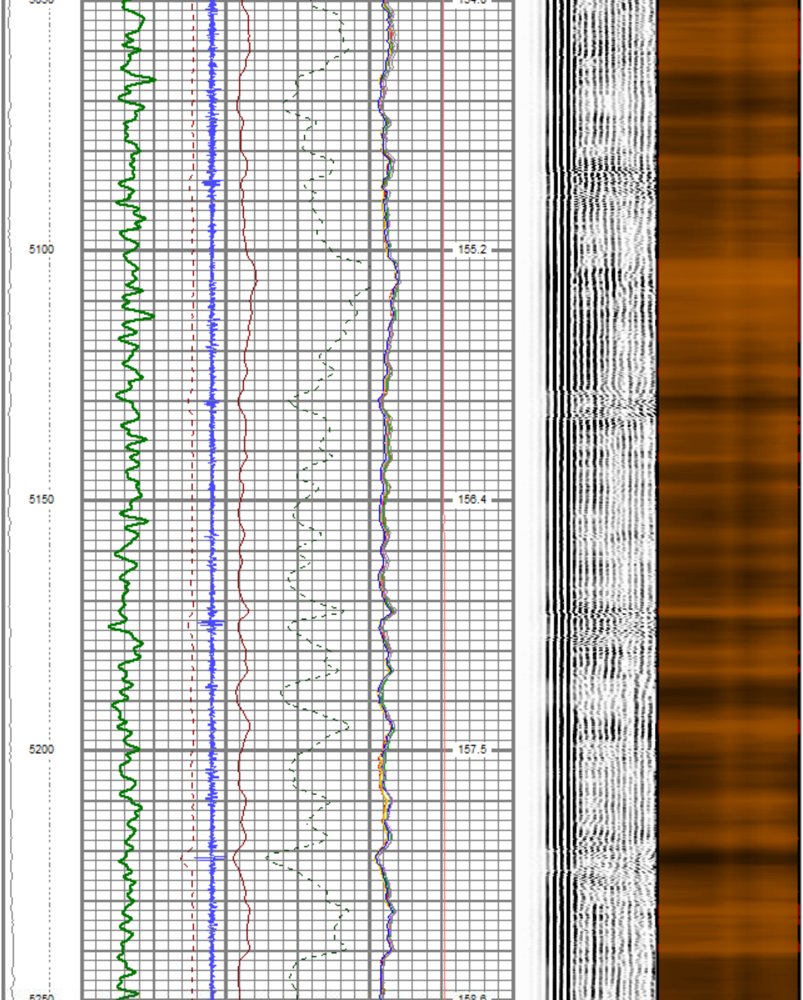

4000
134.3
4050
135.3
4100
136.2
4150
137.0

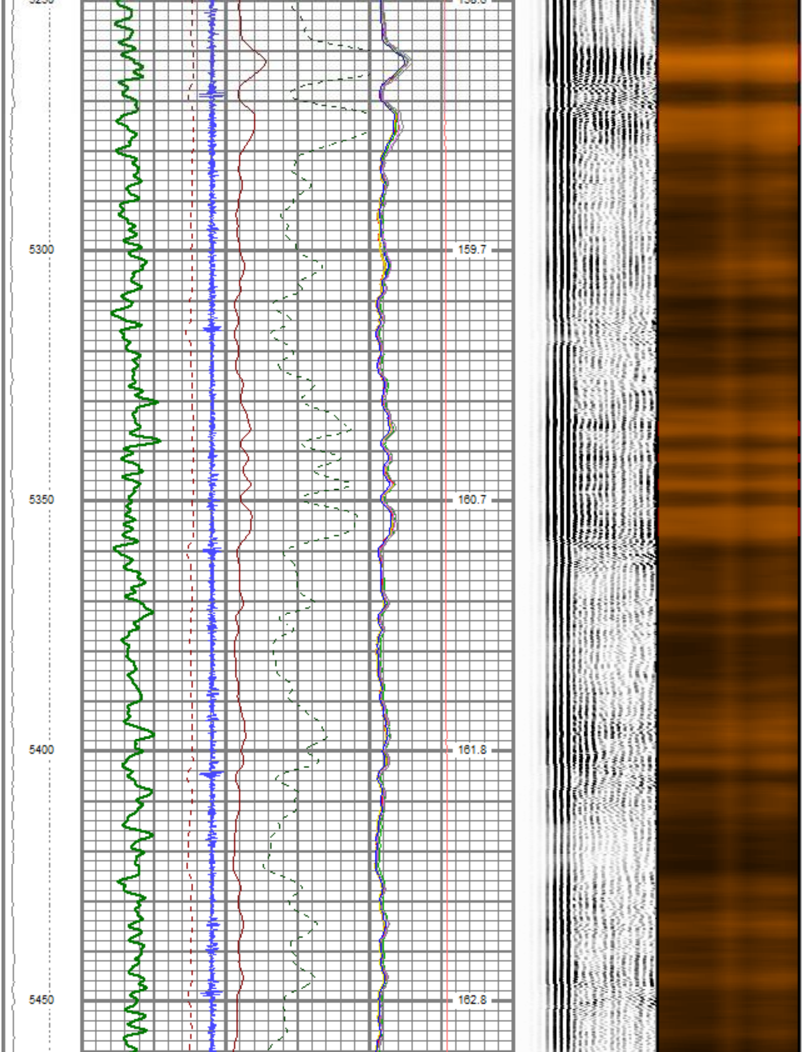

4200
137.8
4250
138.6
4300
139.4
4350
140.3

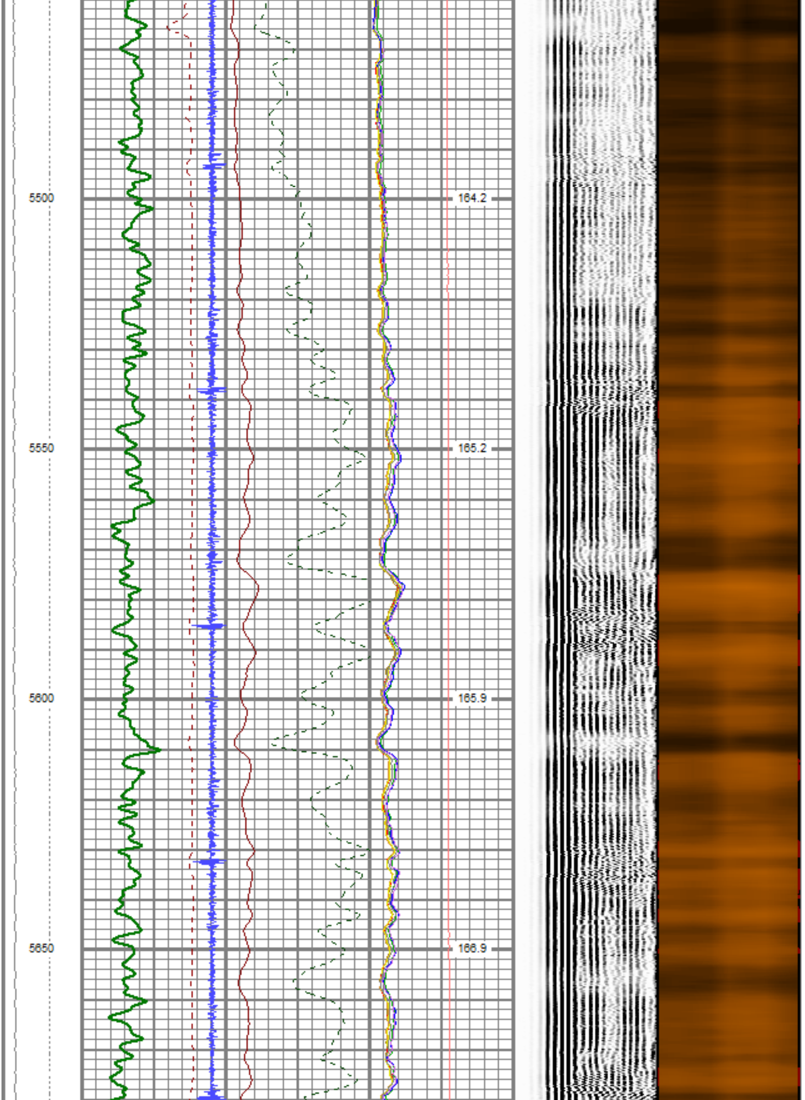

4400
141.5
4450
142.6
4500
143.6
4550
144.5
4600
145.5

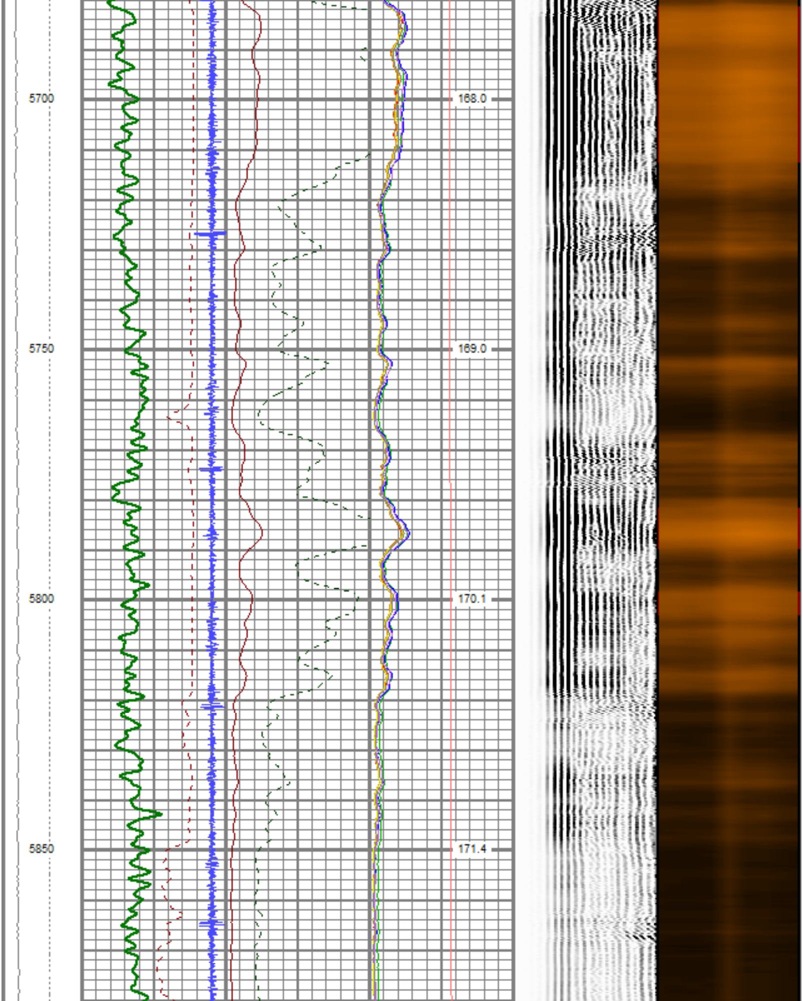

4650
146.5
4700
147.5
4750
148.6
4800
149.5

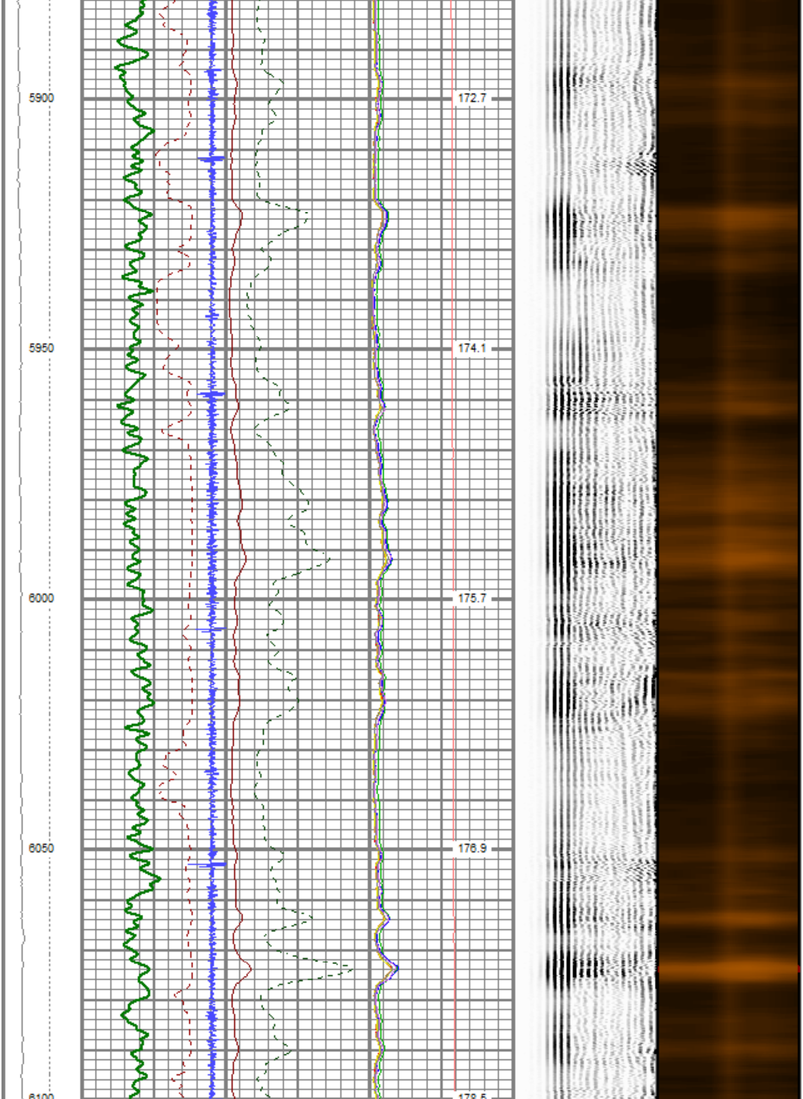

4850
150.4
4900
151.2
4950
152.4
5000
153.3
5050
154.0

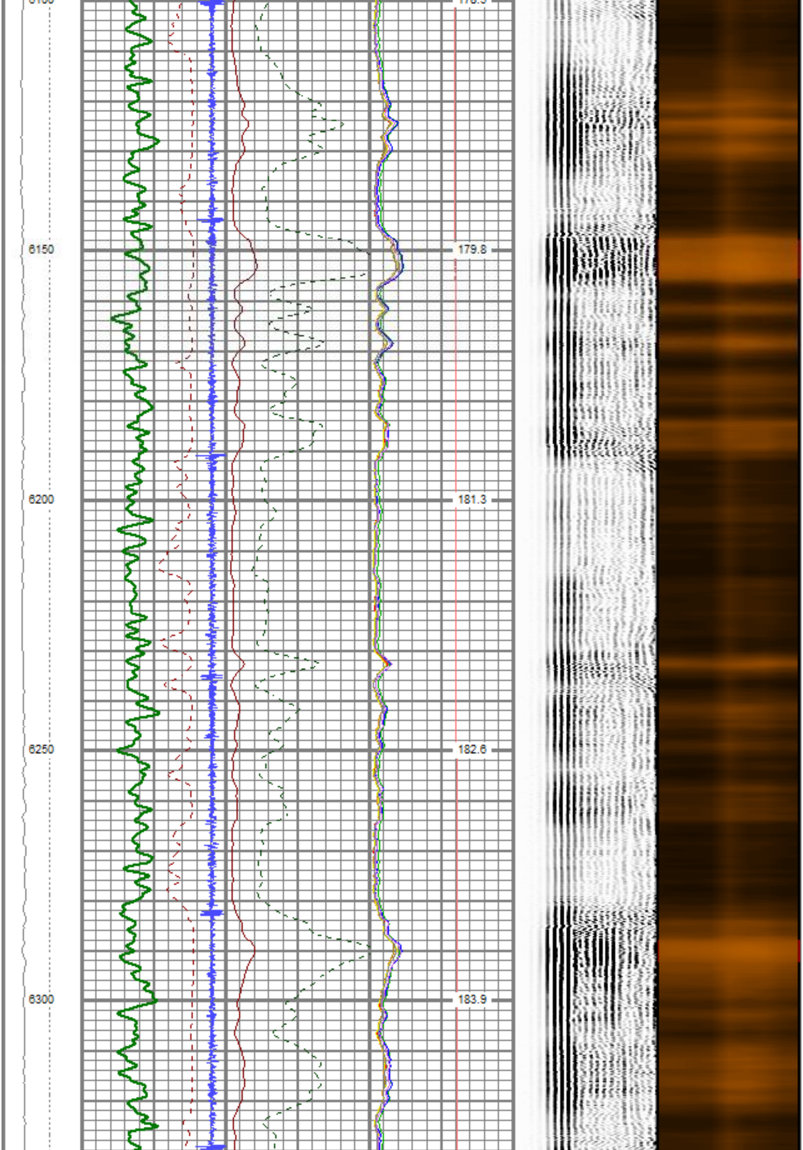

5100
155.2
5150
156.4
5200
157.5
5250
158.6

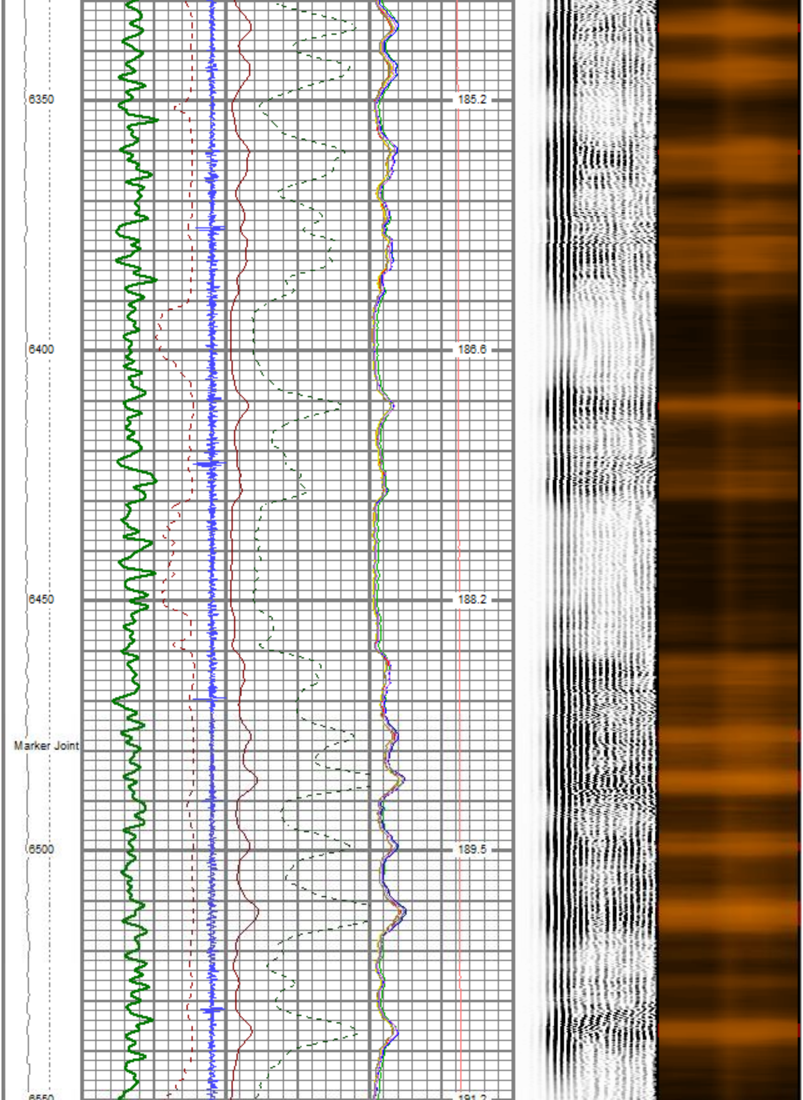

5300
159.7
5350
160.7
5400
161.8
5450
162.8

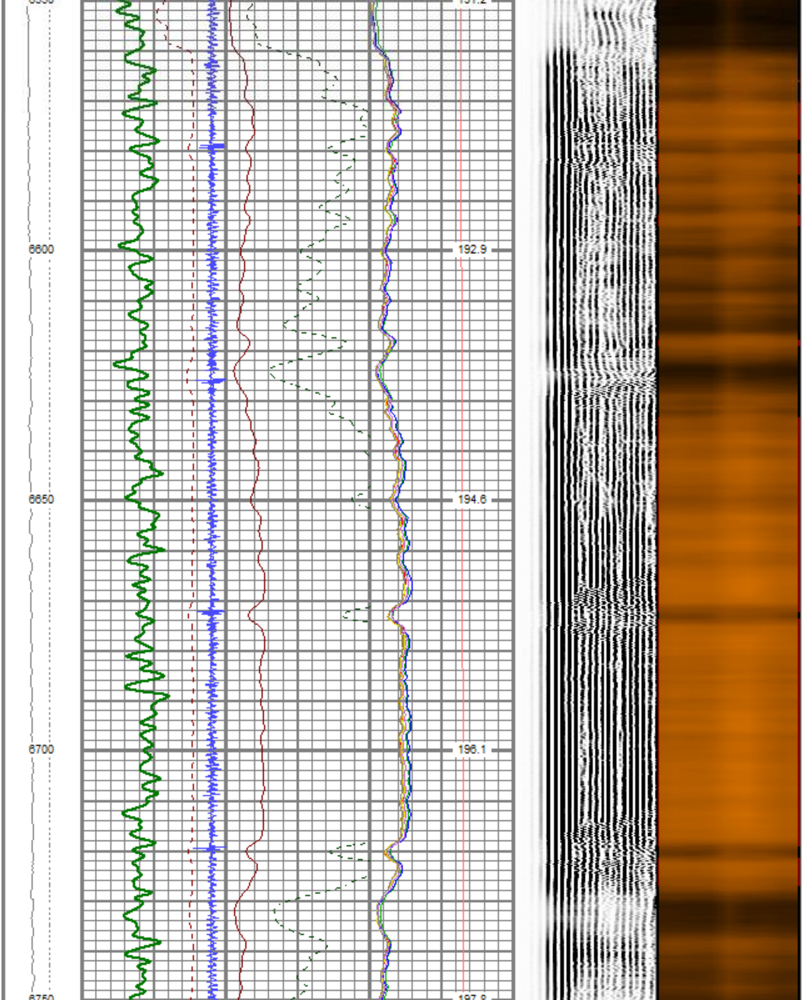

5500
164.2
5550
165.2
5600
165.9
5650
166.9

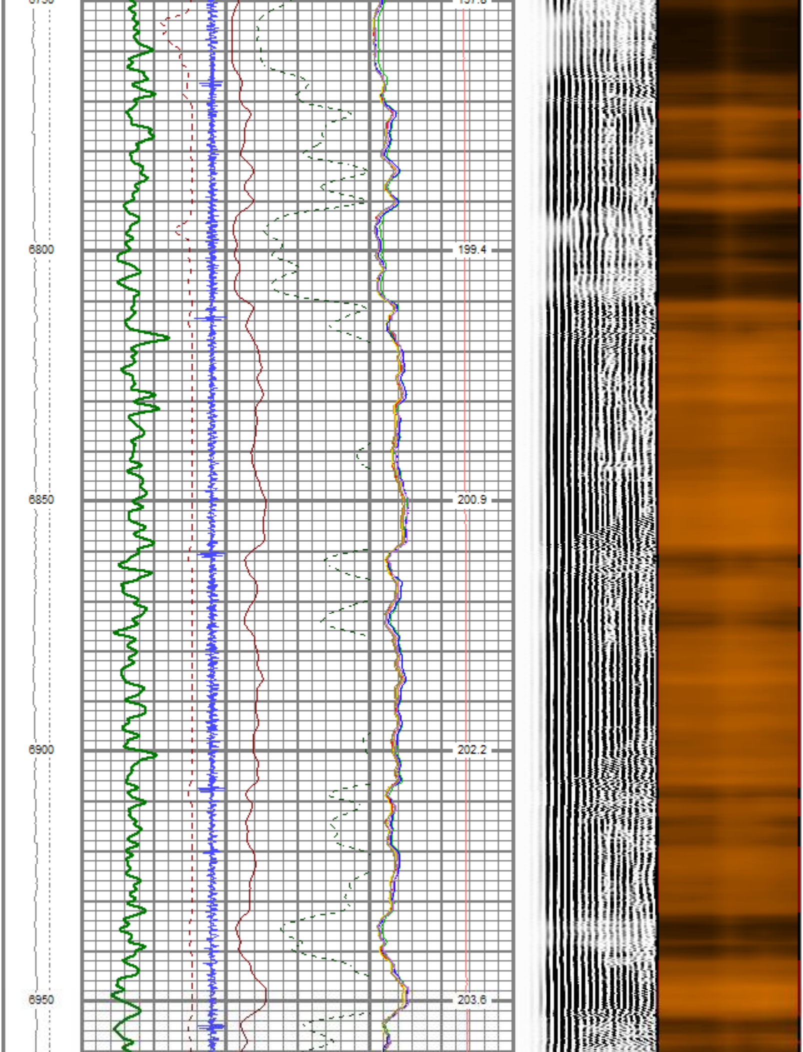

5700
168.0
5750
169.0
5800
170.1
5850
171.4

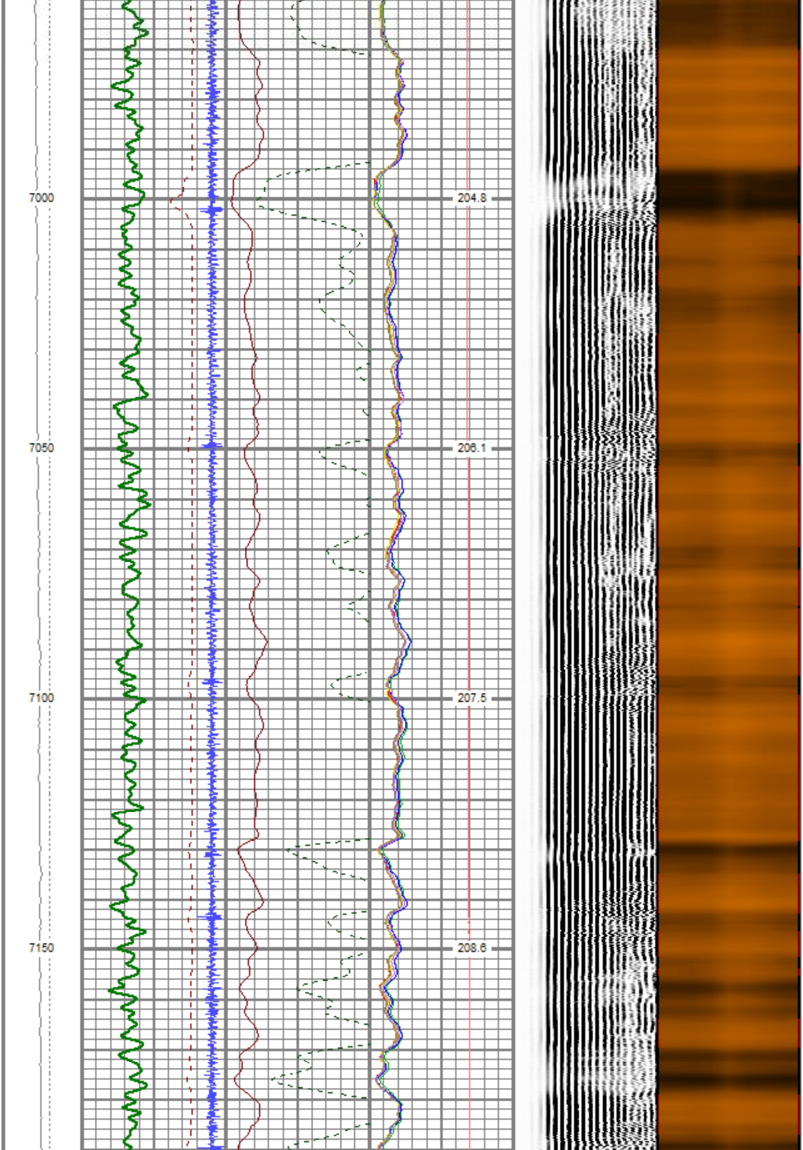

5900
172.7
5950
174.1
6000
175.7
6050
176.9
6100
178.5

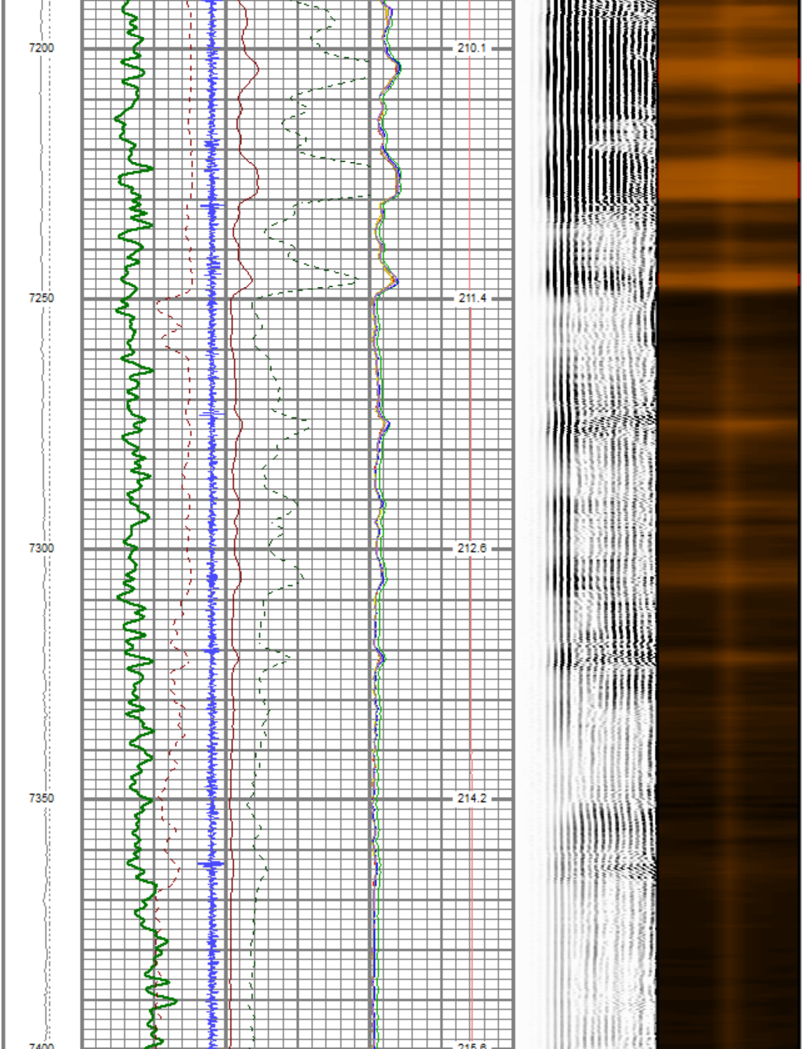

6150
179.8
6200
181.3
6250
182.6
6300
183.9

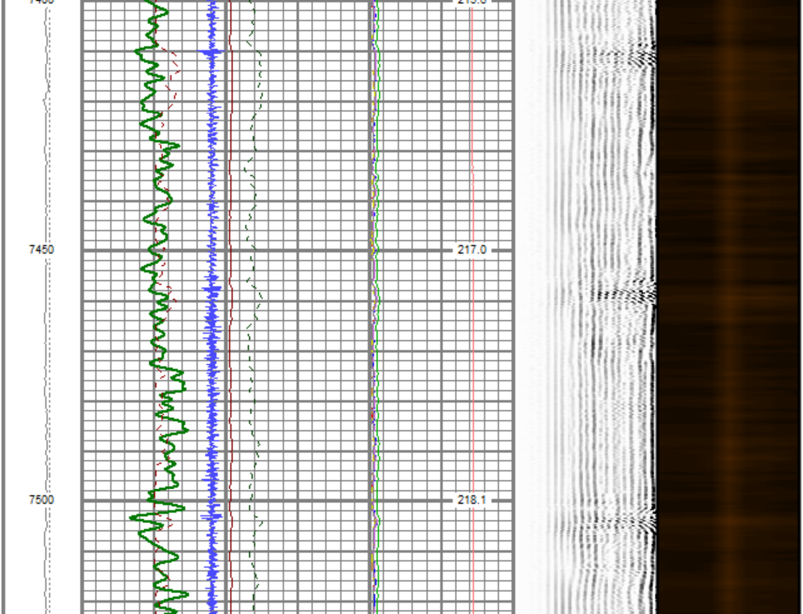

6350
185.2
6400
186.6
6450
188.2
Marker Joint
6500
189.5
6550
191.2

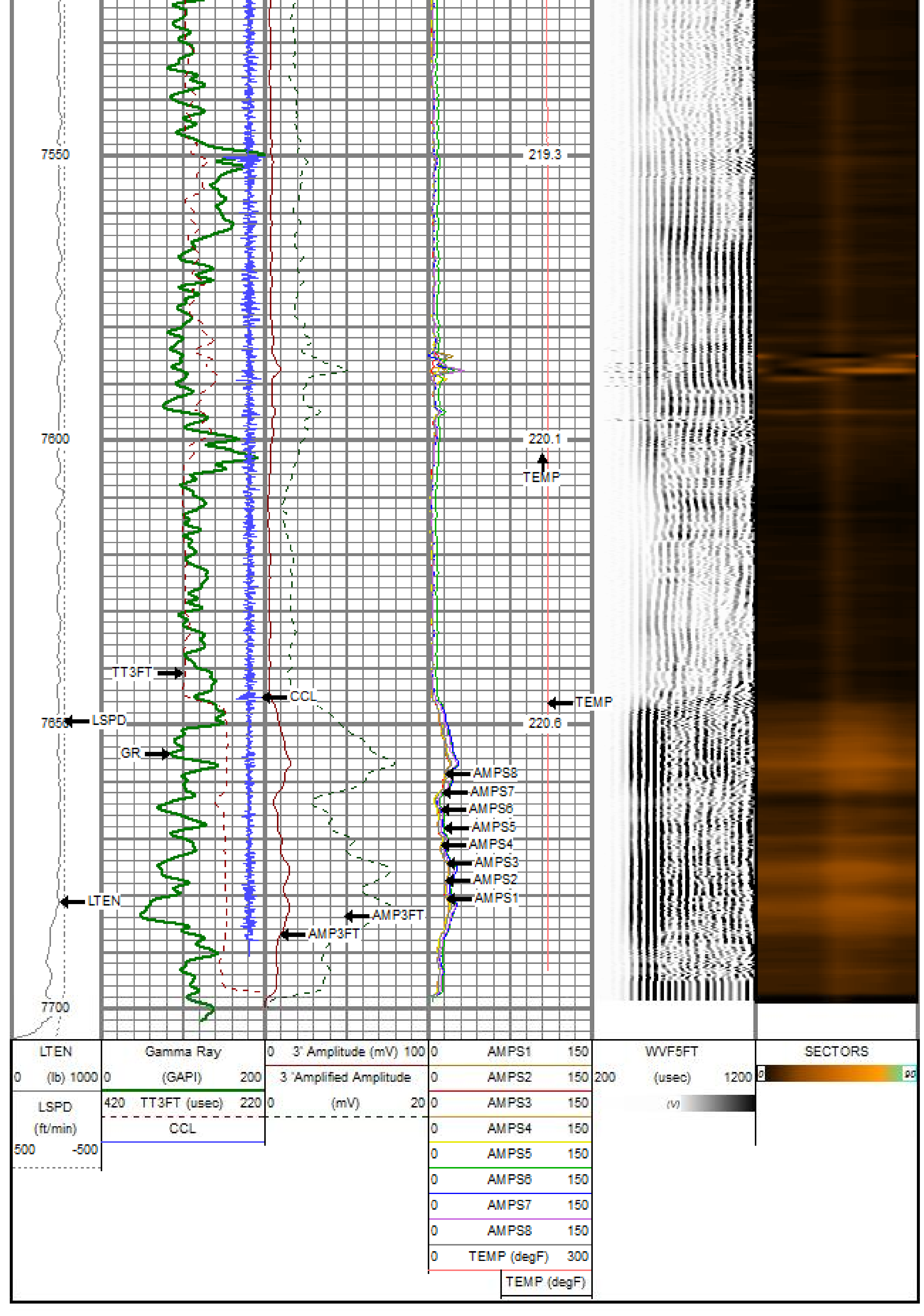

6600
192.9
6650
194.6
6700
196.1


6800
199.4
6850
200.9
6900
202.2
6950
203.6


7000
204.8
7050
206.1
7100
207.5
7150
208.6

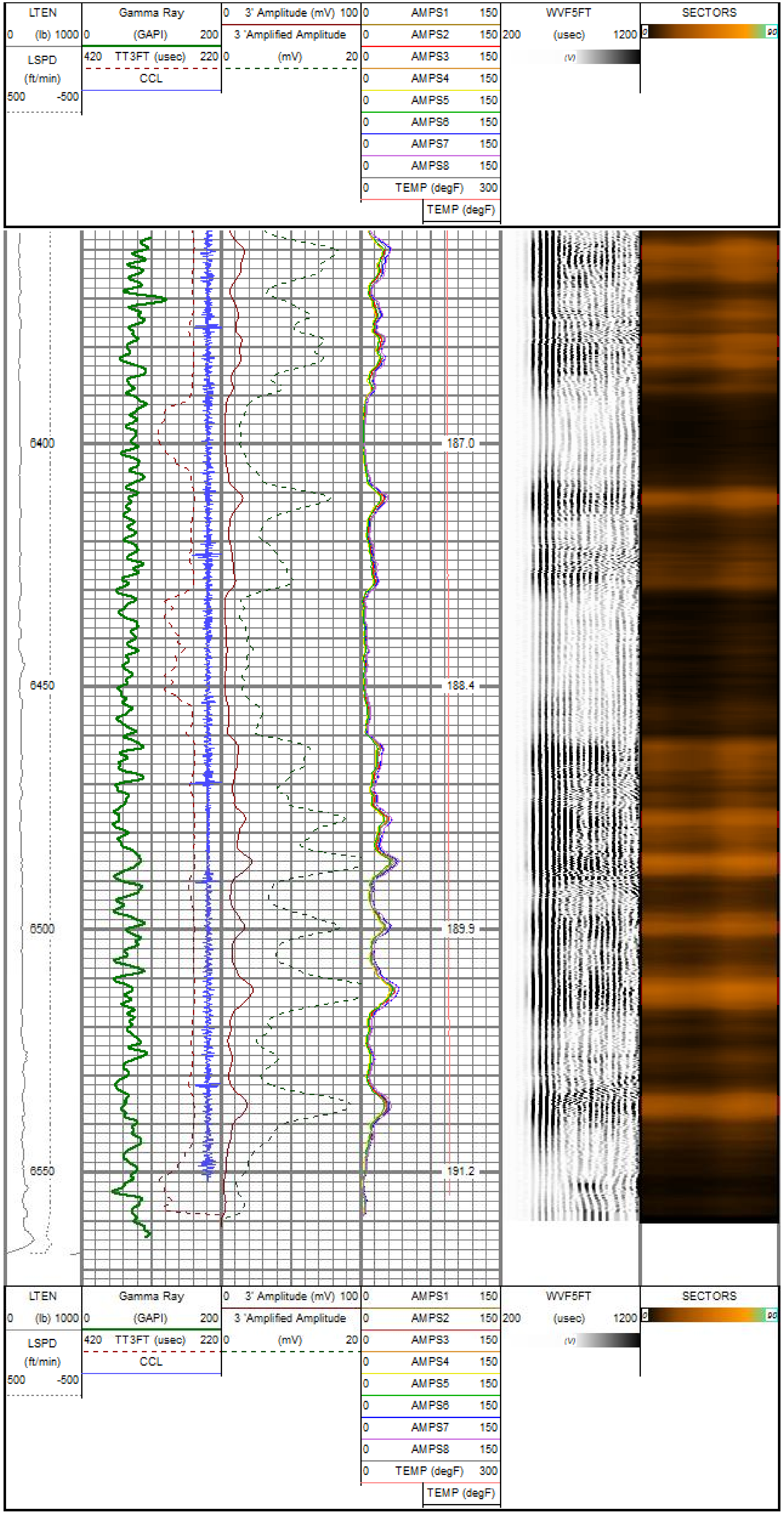

7200
210.1
7250
211.4
7300
212.6
7350
214.2
7400
215.6

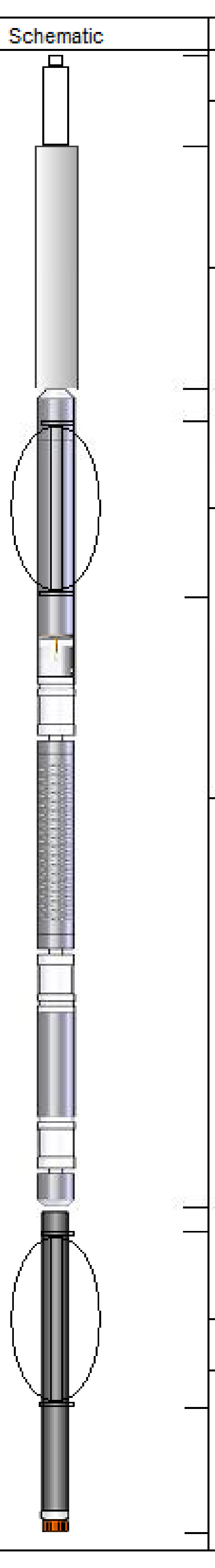

7450
217.0
7500
218.1



Repeat Pass

Database File pdc\pdc_george_3na_rcbl_final\pdc_george_3na_rcbl_final.db
Dataset Pathname pass_2
Presentation Format rbl_all_8_2020_t
Dataset Creation Thu Jun 13 12:56:59 2024
Charted by Depth in Feet scaled 1:240



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-AES (000001) Cable Head	1.04	1.69	2.00
CCL	14.04		CCL-CC275-0100 (CC275-0100_base) Probe 6 MAGNET CCL	2.72	2.75	30.00
			CENT-Overbody	2.00	4.50	3.00
TEMP	10.15					
			PROBE-RBT-DIGITAL-RBL-DCT (140139_DD1) Probe 2 3/4" Radii Bond with Temp-Corrosion Package	9.21	2.75	105.00
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					
			CENT-Overbody	2.00	4.50	3.00
			GR-probe 2.75 (080632)	3.67	2.75	100.00
GR	1.13					

Dataset: PDC_George_3NA_RCBL_Final.db: field/well/run1/pass5.1
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_3NA_RCBL_Final\PDC_George_3NA_RCBL_Final.db
Dataset Pathname pass5.1
Dataset Creation Thu Jun 13 12:54:57 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)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.898	0.500	71.921	79.497	0.500
CAL	0.014	1.025				
5'	0.000	0.849	0.500	71.921	84.161	0.500
SUM						
S1	-0.009	1.074	0.000	100.000	92.346	0.828
S2	-0.000	1.038	0.000	100.000	96.368	0.013
S3	-0.000	1.001	0.000	100.000	99.899	0.009
S4	0.000	0.925	0.000	100.000	108.158	-0.001
S5	-0.042	0.920	0.000	100.000	103.909	4.414
S6	0.000	0.964	0.000	100.000	103.748	-0.001
S7	0.000	1.051	0.000	100.000	95.152	-0.001
S8	0.000	1.089	0.000	100.000	91.856	-0.001

Air Zero Calibration, performed (Not Performed):

	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

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 03NA	
Field	Wattenberg	
County	Weld	
State	Colorado	Country