GO WIRELINE LLC

Radial Bond
Gamma Ray
CCL, Temp

Company PDC Energy
Well Stugart 24N
Field Wattenberg
County Weld
State Colorado

Company	PDC Energy
Well	Stugart 24N
Field	Wattenberg
County	Weld
State	Colorado

Location: API # : 05-123-51258

2161' FNL & 2000' FWL

SEC 20 TWP 5N RGE 66W

Other Services
None

Permanent Datum	GL	Elevation
Log Measured From	KB	
Drilling Measured From	KB	

Elevation
K.B.
D.F.
G.L

Date	10-MAR-23		
Run Number	One		
Depth Driller	15571'		
Depth Logger	8174'		
Bottom Logged Interval	8171'		
Top Log Interval	Surface		
Open Hole Size	8.5		
Type Fluid	Water		
Density / Viscosity	8.33		
Max. Recorded Temp.	246°F		
Estimated Cement Top	See log		
Time Well Ready	ROA		
Time Logger on Bottom	19:45		
Equipment Number	303		
Location	Greeley, CO		
Recorded By	C. Walsh	G. Lueck	CAS3122023
Witnessed By	Billy Myers		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36#	Surface	1733'
Prot. String				
Production String	5.5"	20#	Surface	15559'
Liner				

Final Print

<<< 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

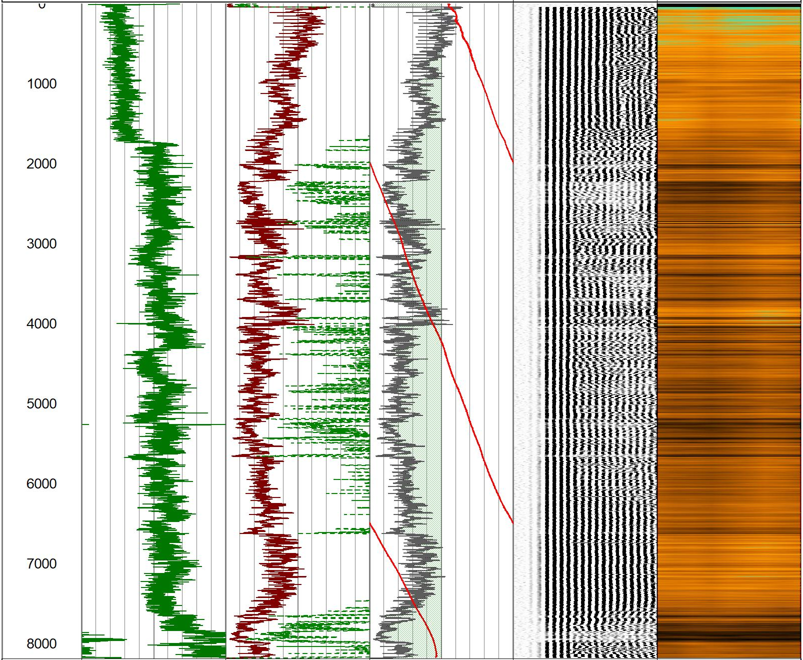
Log ran at Customer Request
Correlated to Marker Joint 7309.3' to 7331.2'

Thank You For Choosing GO Wireline!

Main Pass

Database File	pdc_stugart_24n_rcbl_31023.db
Dataset Pathname	pass4.1
Presentation Format	rbl_1inch_2020
Dataset Creation	Fri Mar 10 21:20:51 2023
Charted by	Depth in Feet scaled 1:15000

Gamma Ray	3' Amplitude	AMPAVG	WVF5FT	SECTORS
0 (GAPI) 150	0 (mV) 100	0 AMPAVG 150	200 (usec) 1200	2 100
	0 AMP3FT (mV) 20	0 TEMP (degF) 100	-409.6 (V) 409.4	



Gamma Ray	3' Amplitude	AMPAVG	WVF5FT	SECTORS
0 (GAPI) 150	0 (mV) 100	0 AMPAVG 150	200 (usec) 1200	2 100
	0 AMP3FT (mV) 20	0 TEMP (degF) 100	-409.6 (V) 409.4	

GO WIRELINE LLC

Main Pass

Database File	pdc_stugart_24n_rcbl_31023.db
Dataset Pathname	pass4.1
Presentation Format	rbl_all_8_2020_t
Dataset Creation	Fri Mar 10 21:20:51 2023
Charted by	Depth in Feet scaled 1:240

LTEN
0 (lb 1000

LSPD
(ft/min)
500 -500

0 CCL 100

3' Travel Time
400 (usec) 200

Casing Collar Locator

GAMMA RAY
0 (GAPI) 200

3' Amplitude
0 (mV) 100

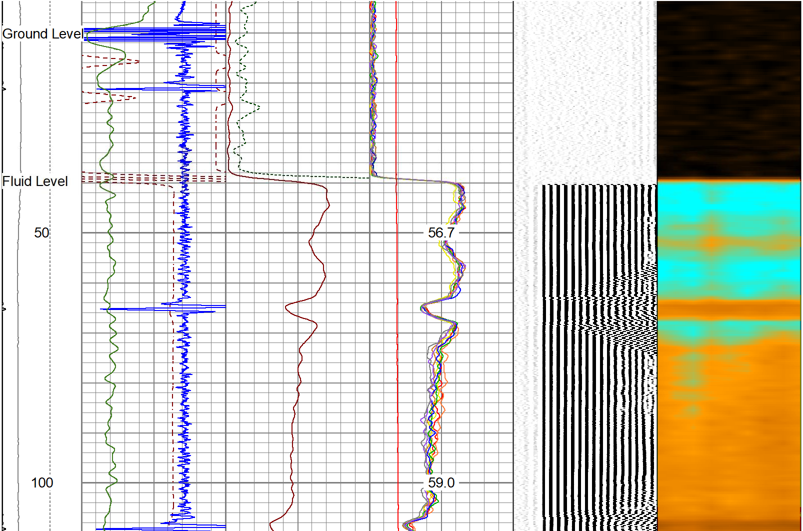
3 'Amplified Amplitude
0 (mV) 20

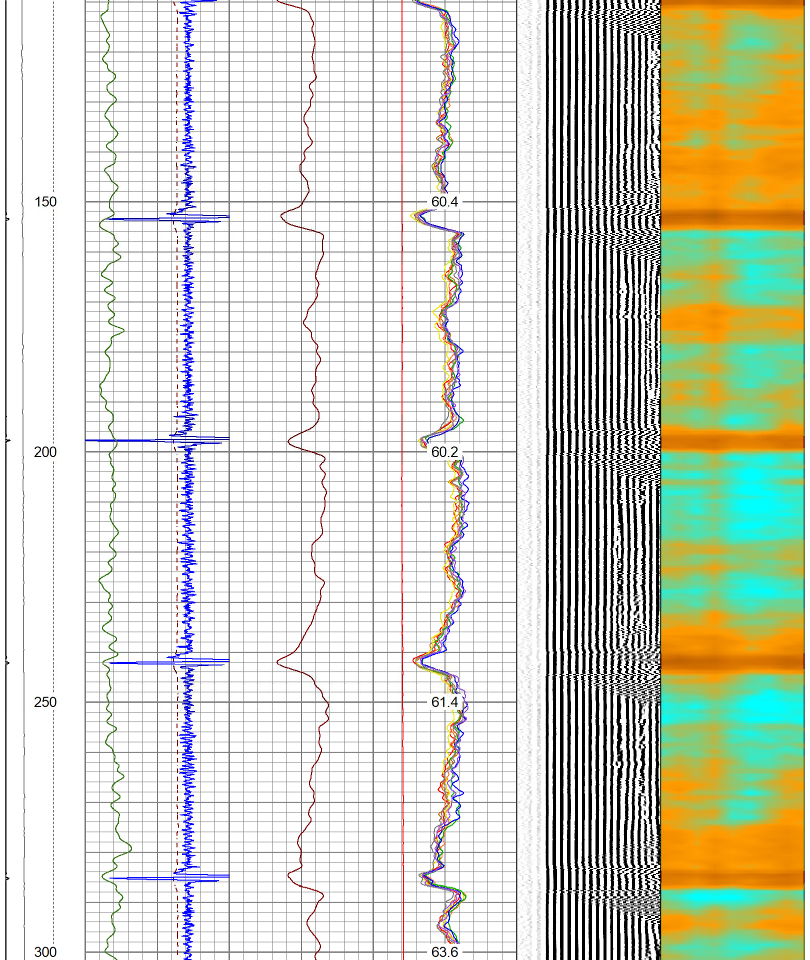
0 AMPS1 150
0 AMPS2 150
0 AMPS3 150
0 AMPS4 150
0 AMPS5 150
0 AMPS6 150
0 AMPS7 150
0 AMPS8 150
0 TEMP (degF) 300

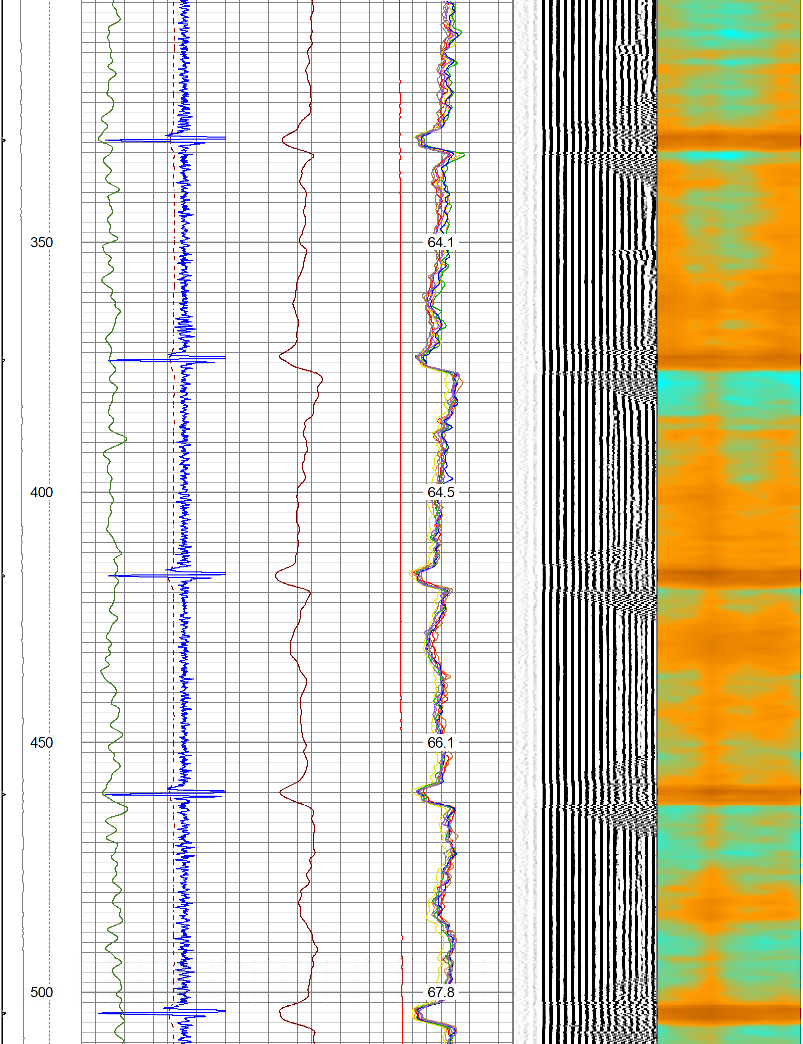
TEMP
(degF)

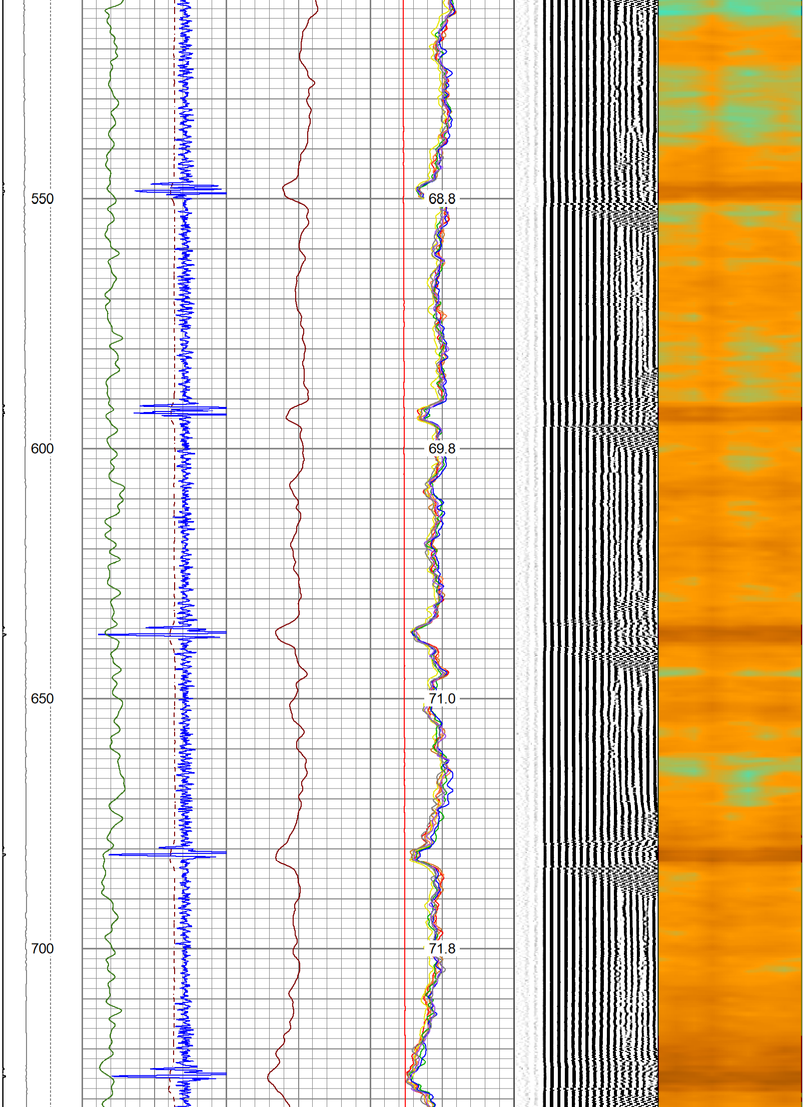
5' Variable Density
200 (usec) 1200
-409.6 (V) 409.4

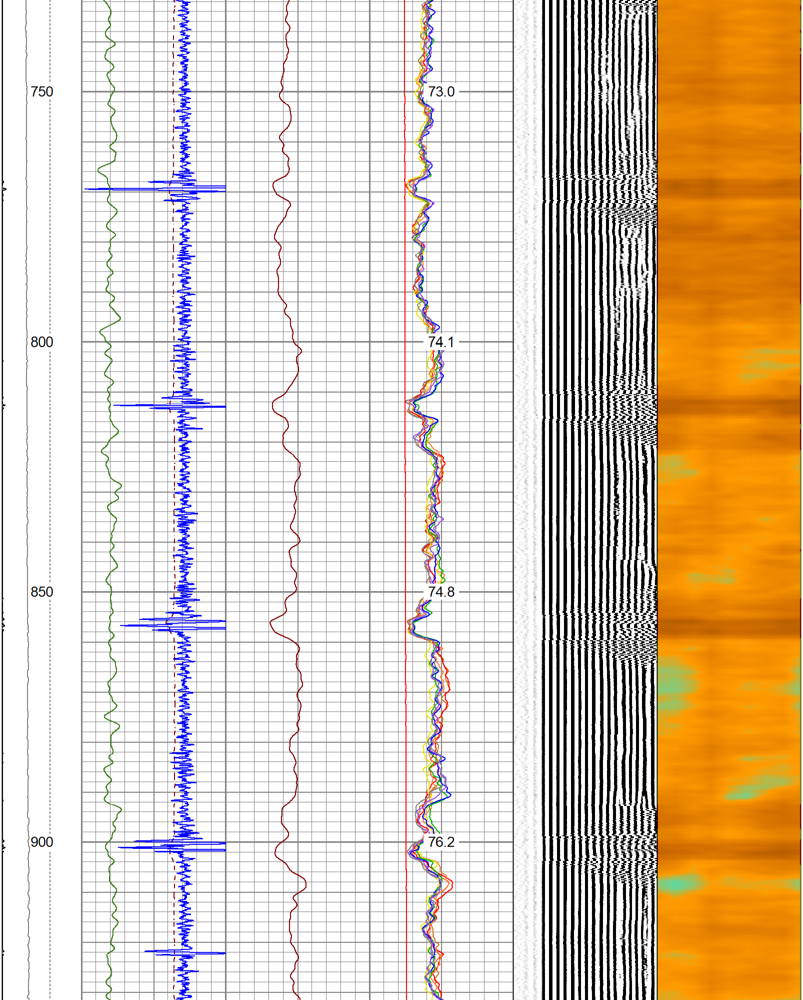
1 Sector Map 8
0 95

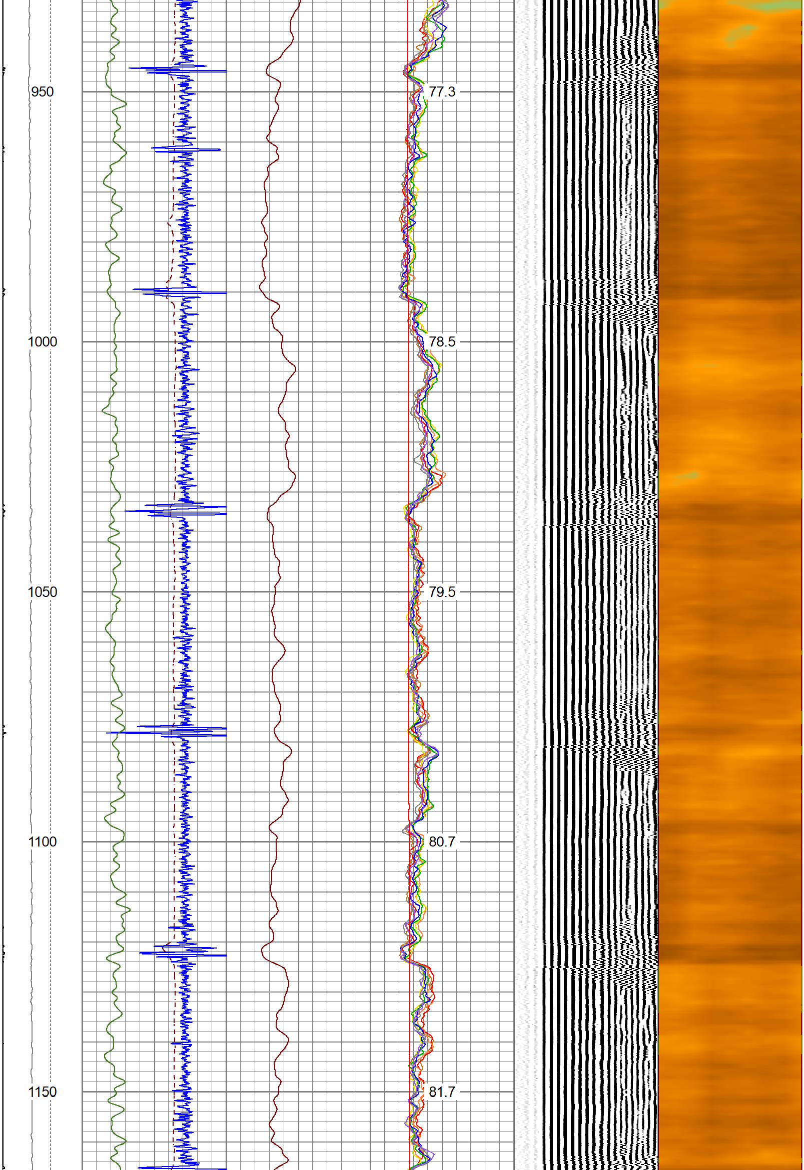


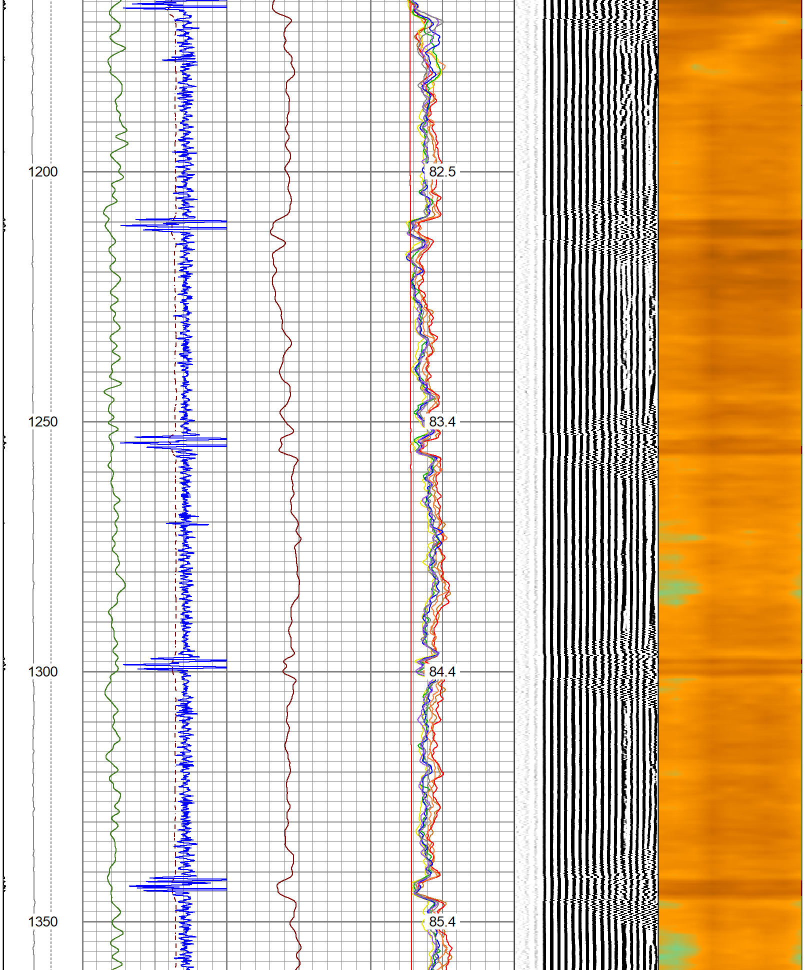


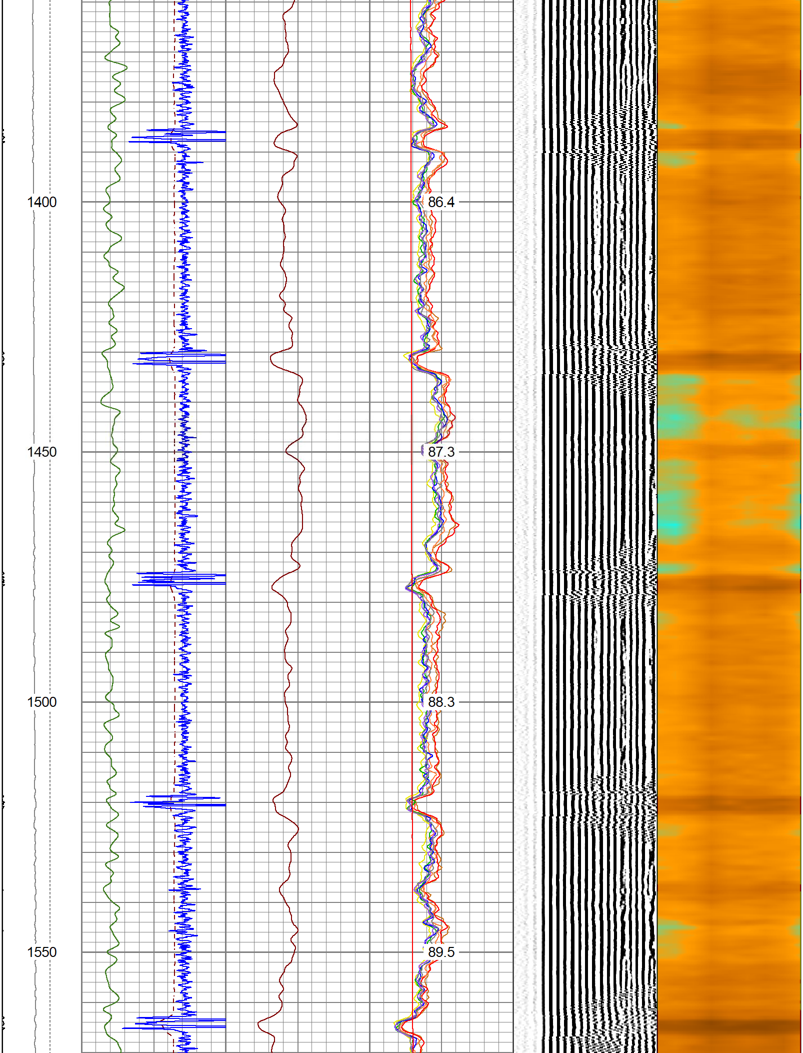


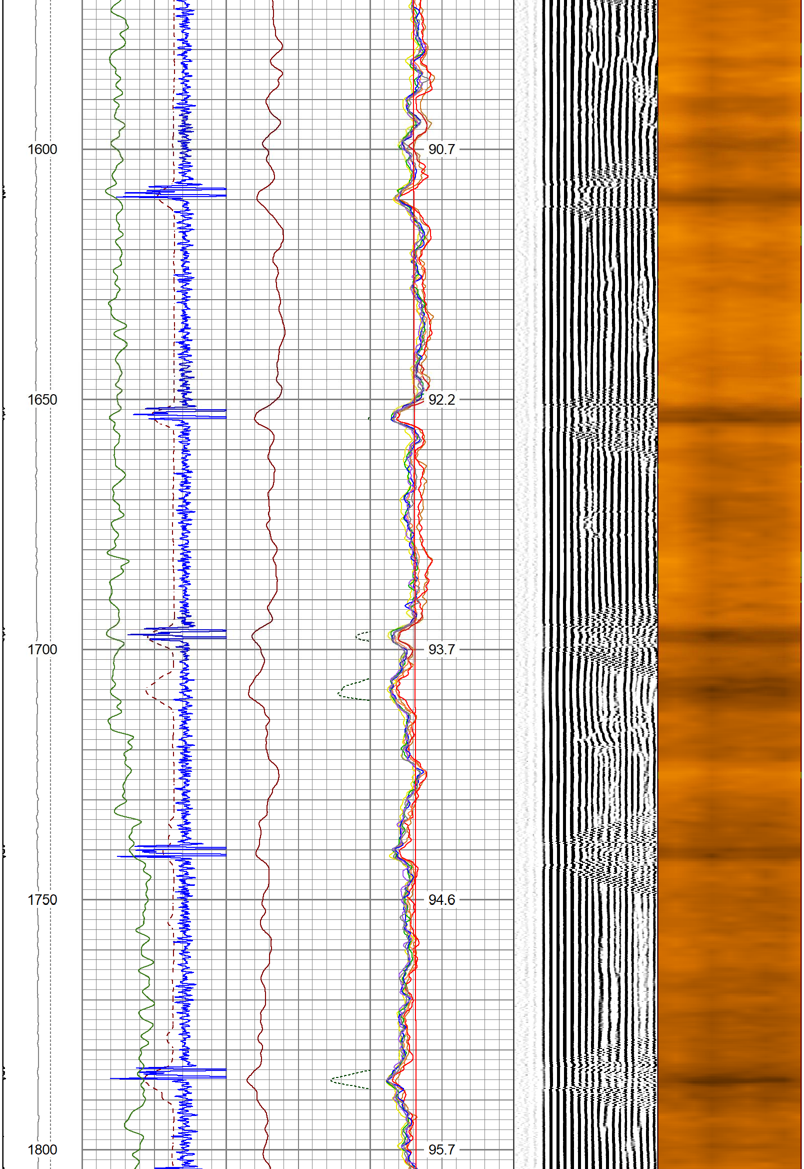


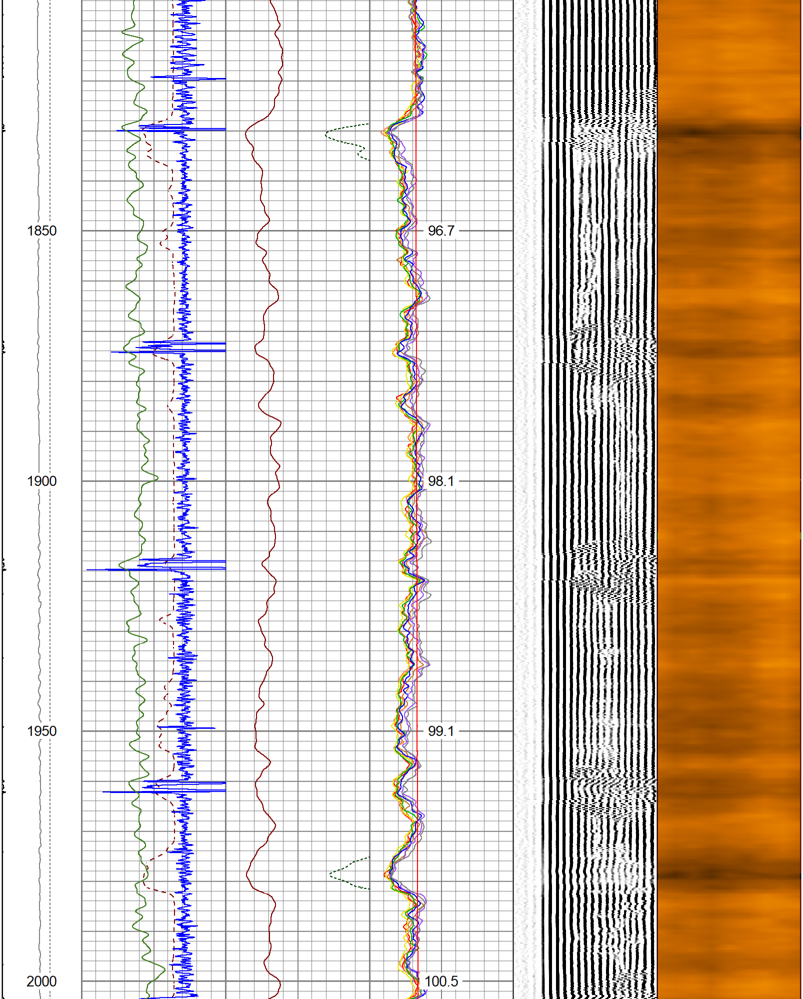


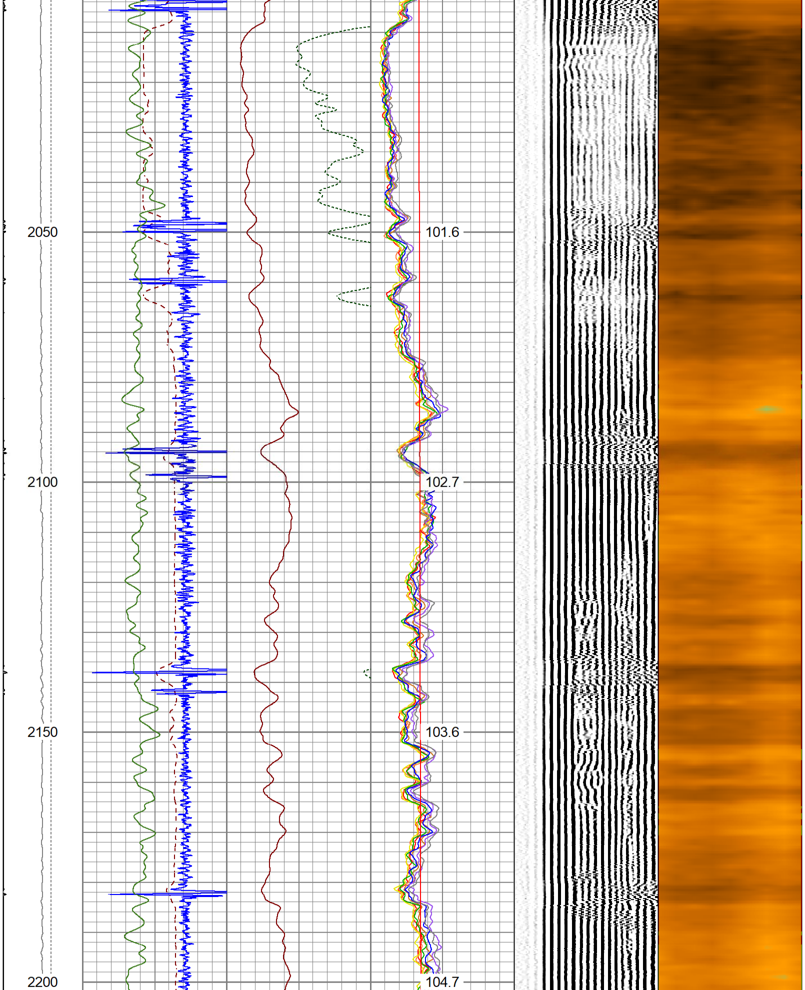


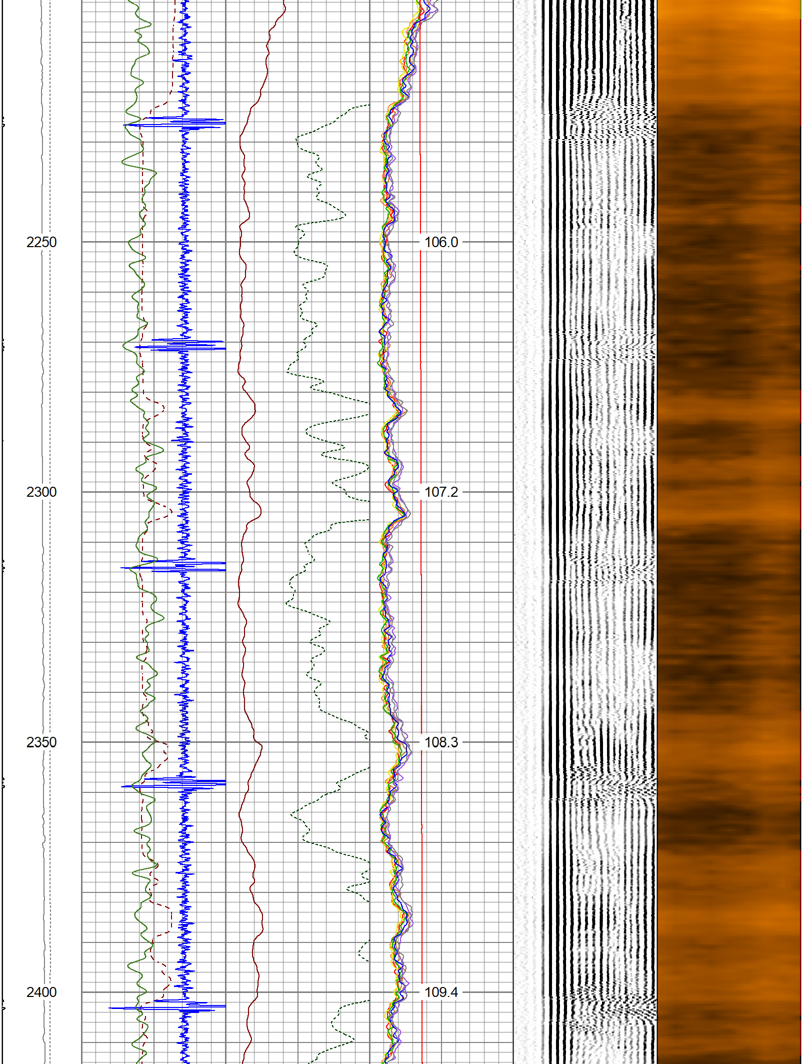


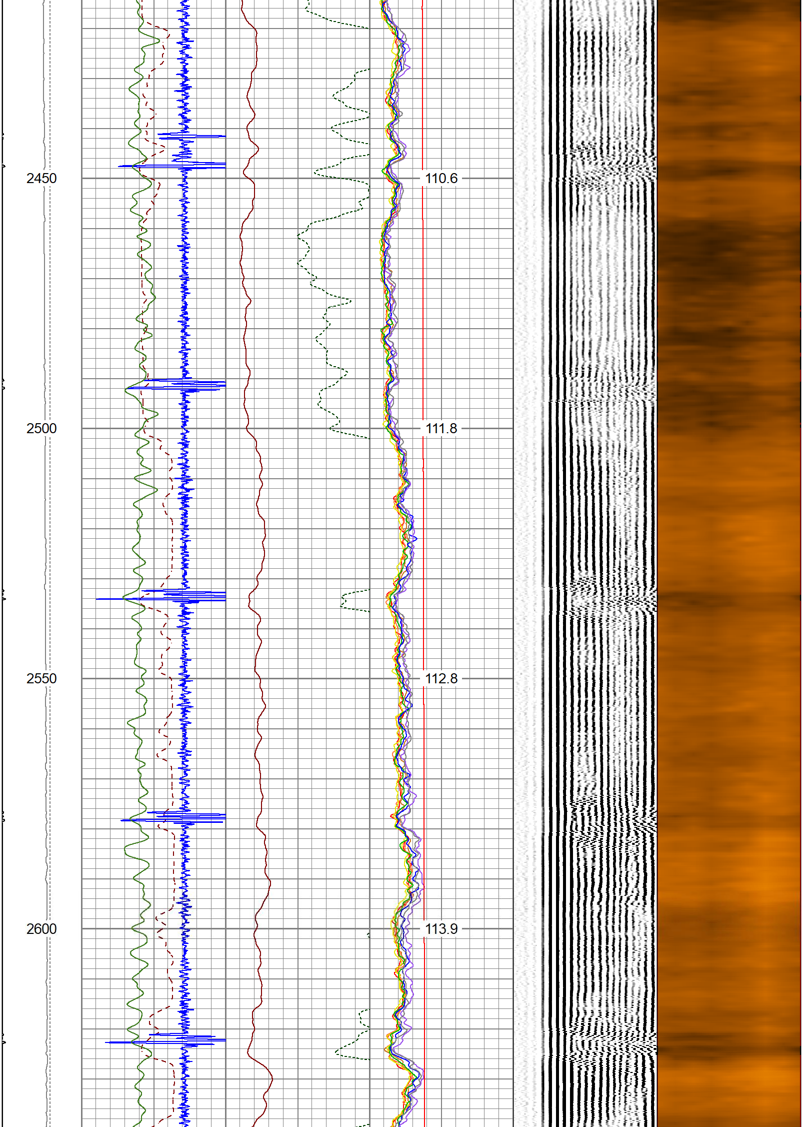


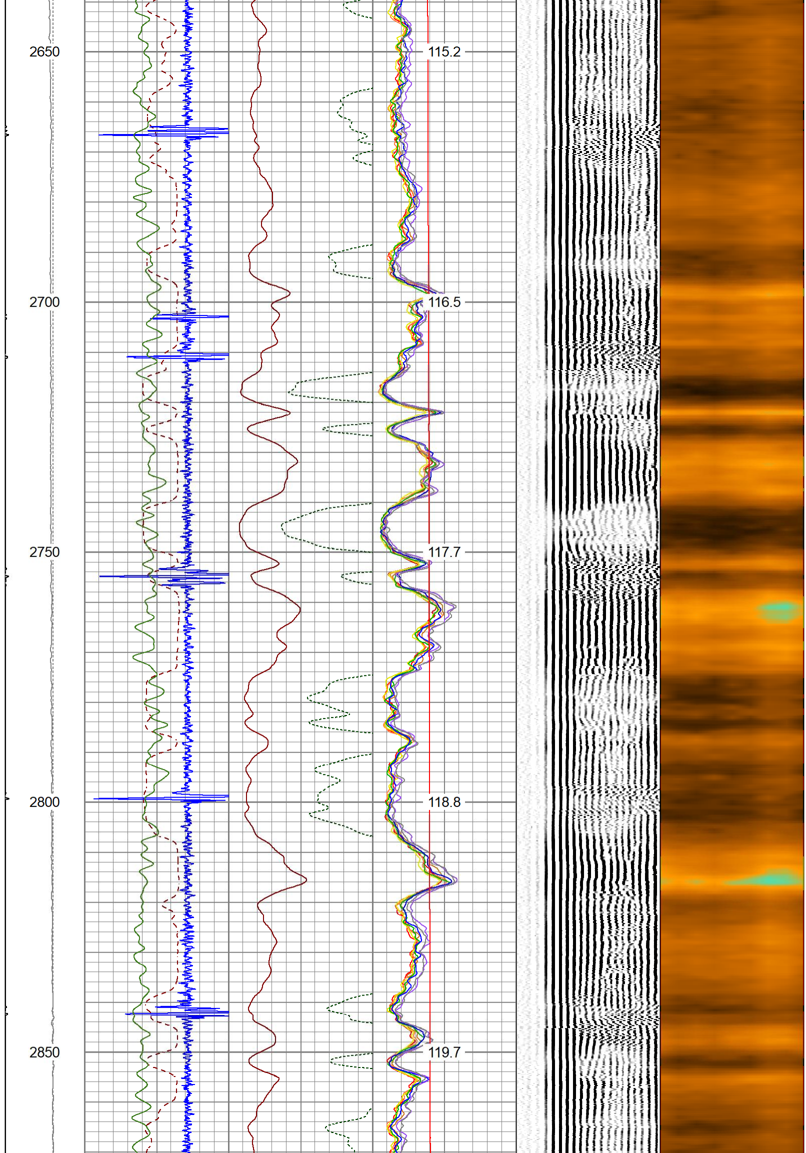


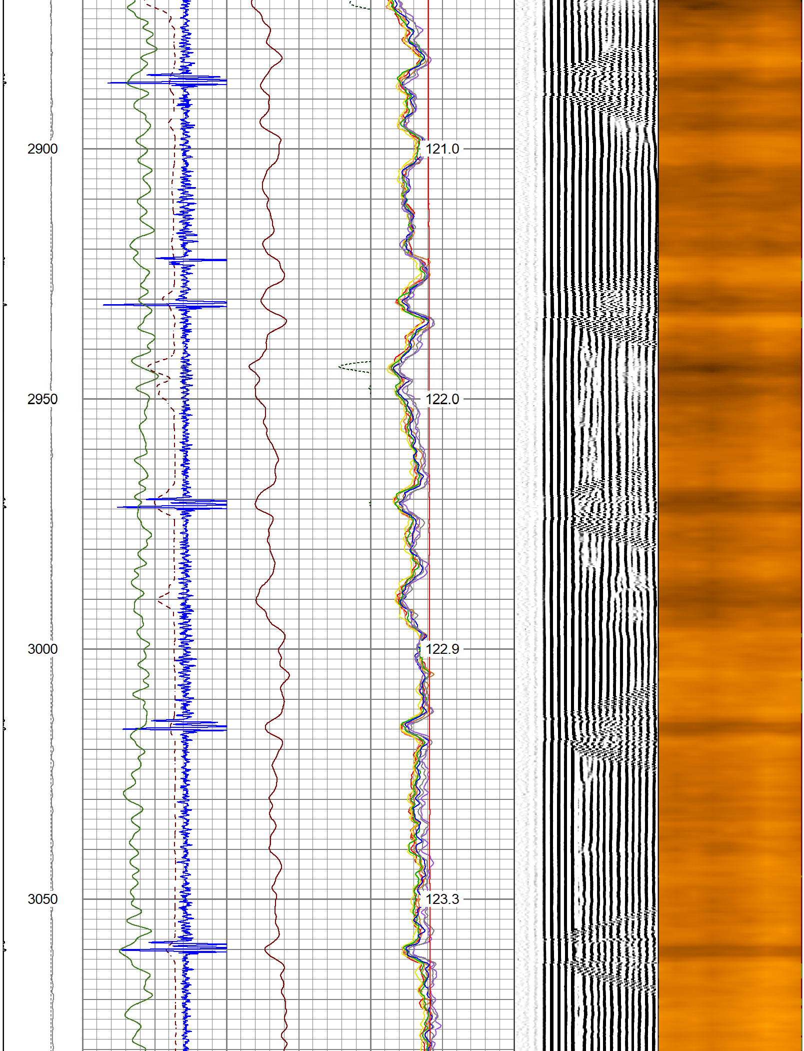


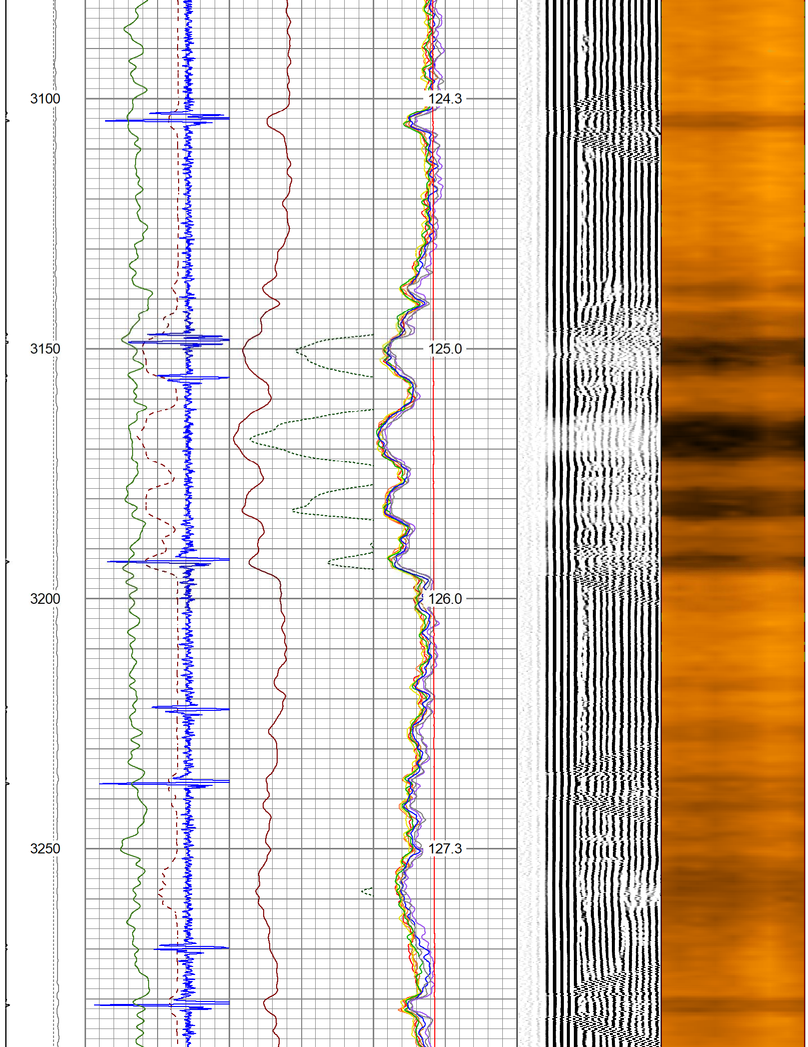


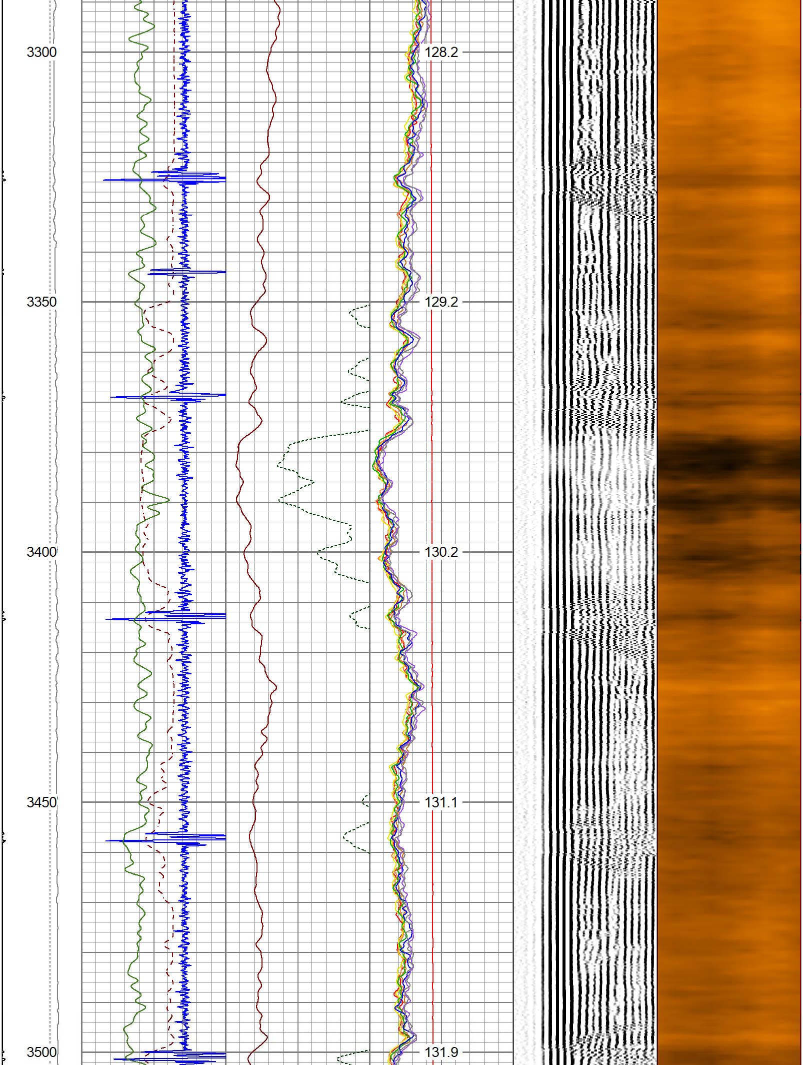


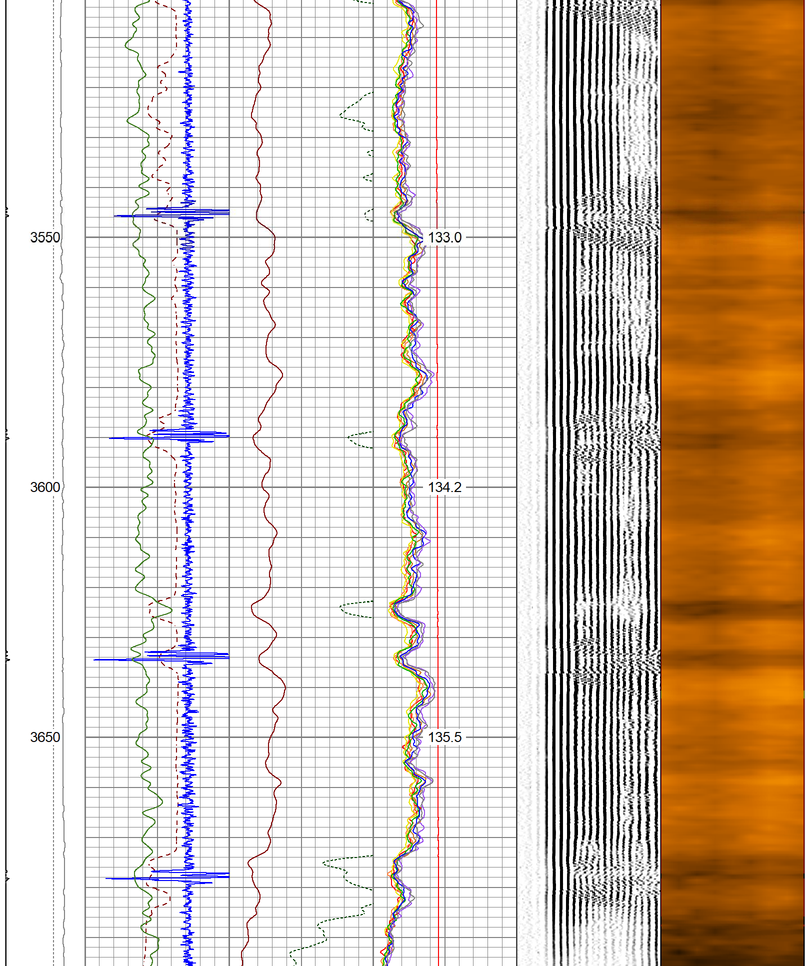








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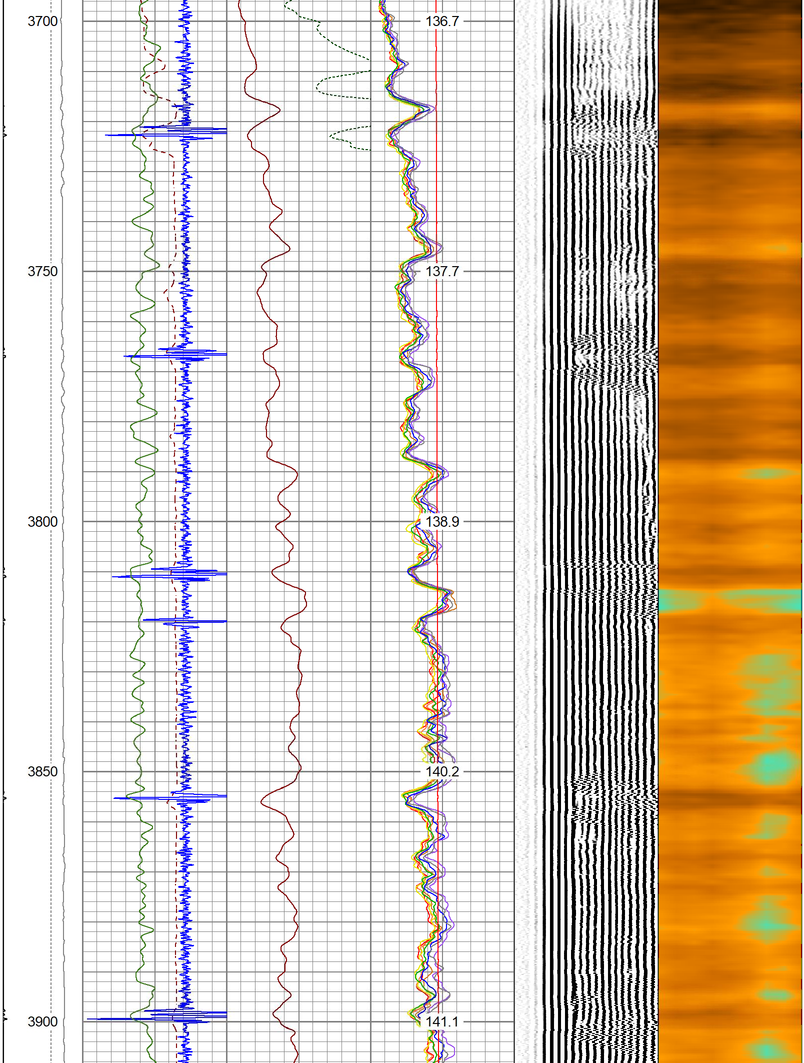
133.0
3600
134.2
3650
135.5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136.7
3750
137.7
3800
138.9
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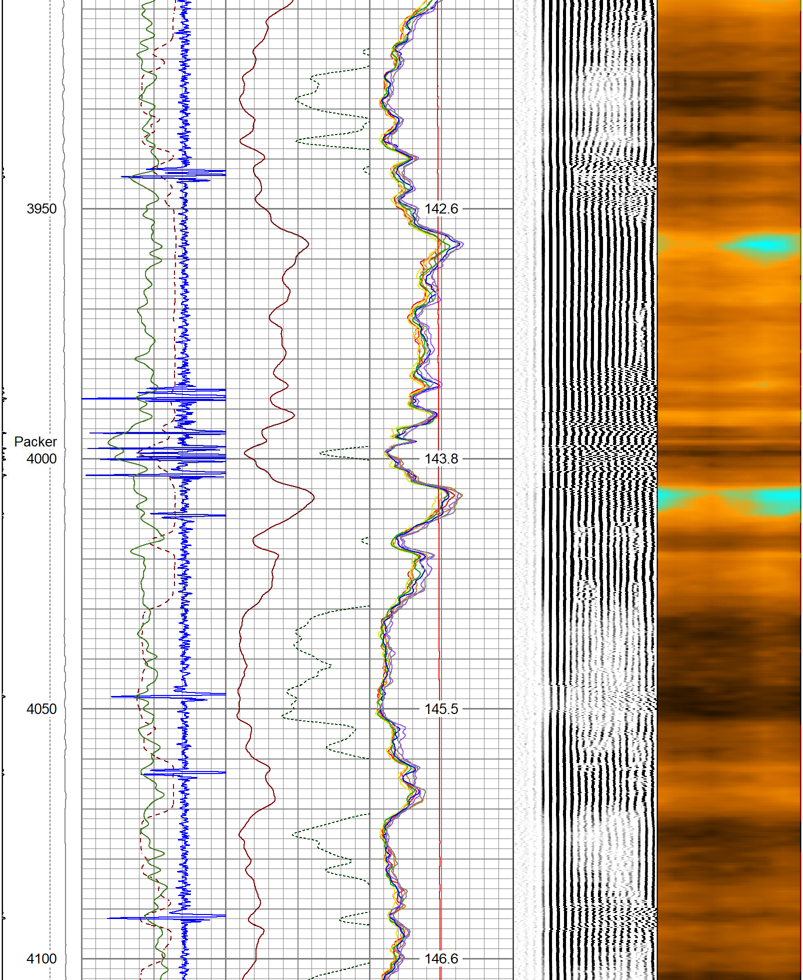
140.2
3900
141.1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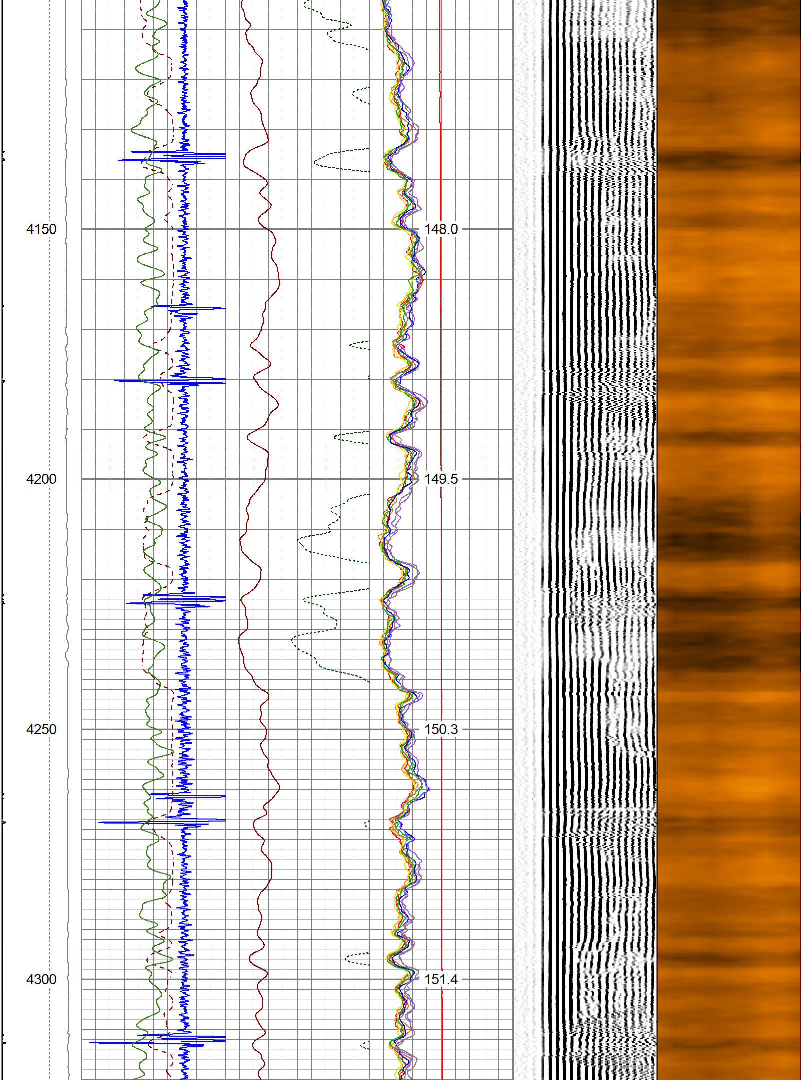
Packer
4000
143.8
4050
145.5
4100
146.6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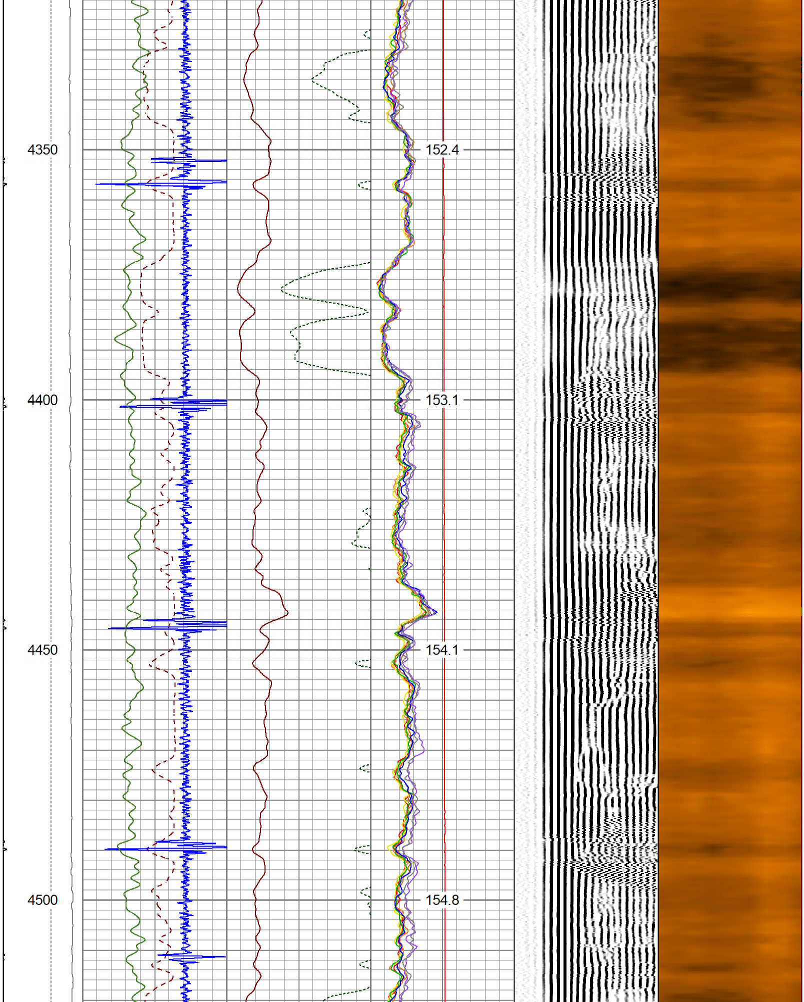
151.4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153.1
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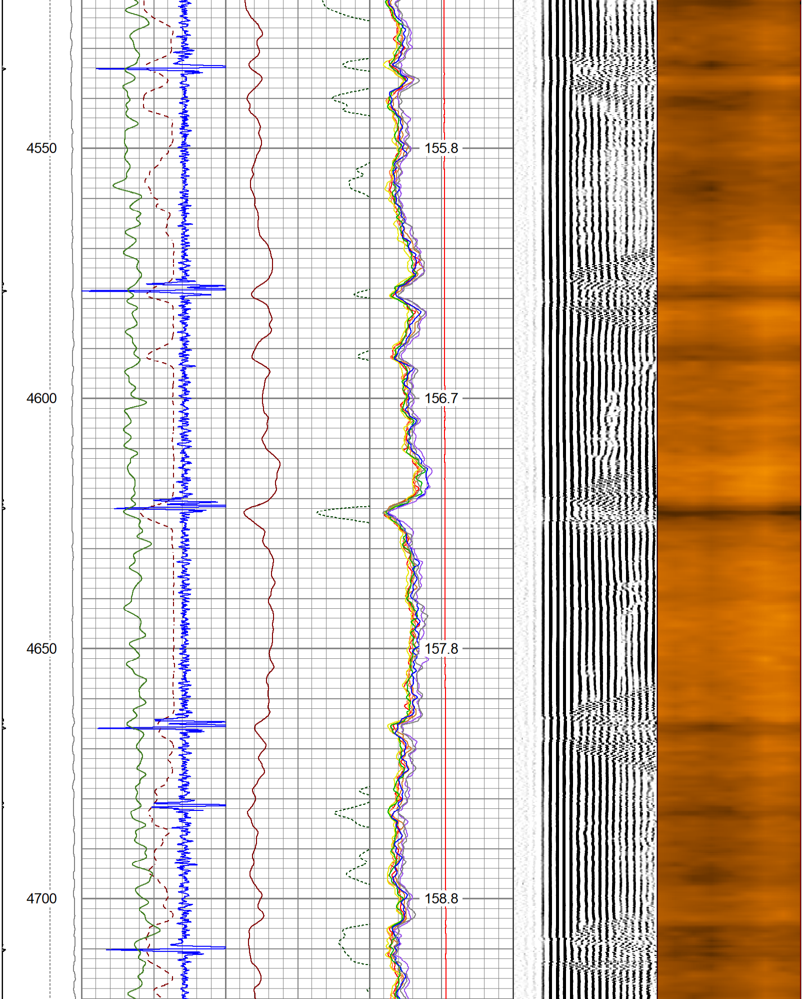
154.1
4500
154.8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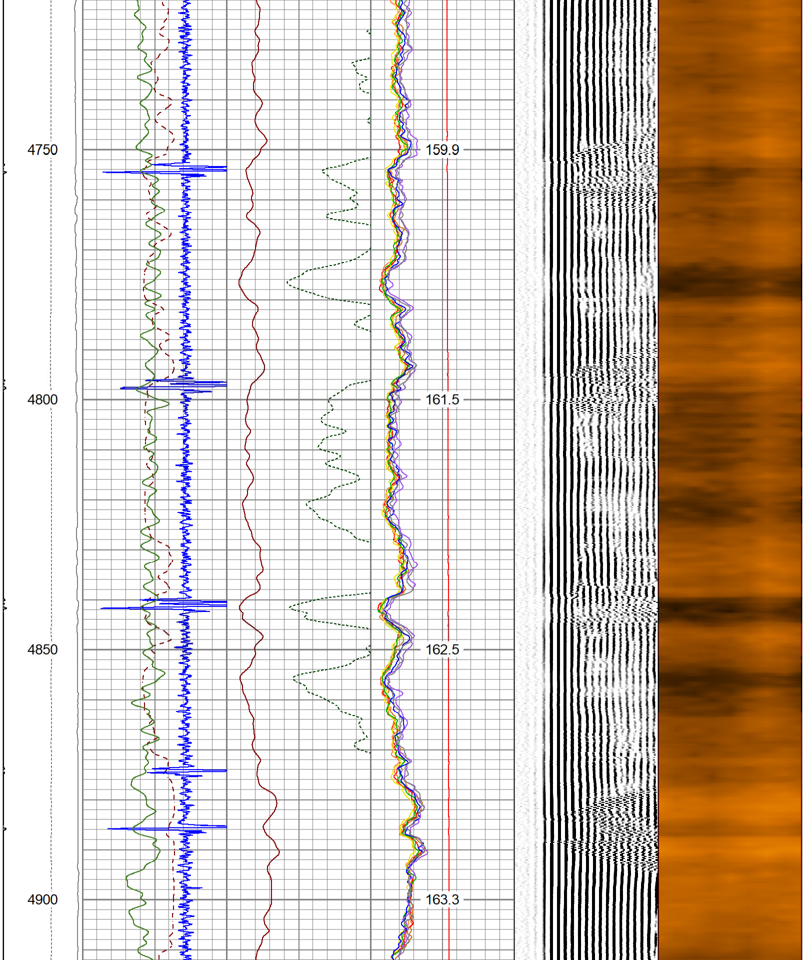
158.8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162.5
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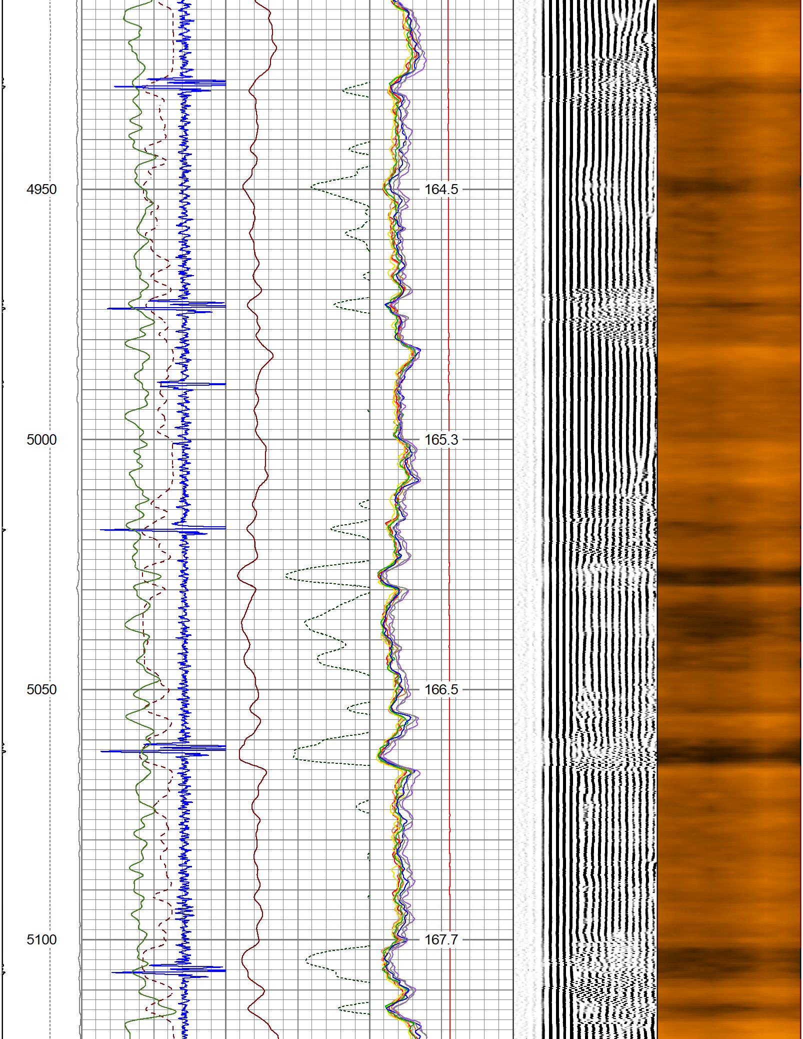
163.3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166.5
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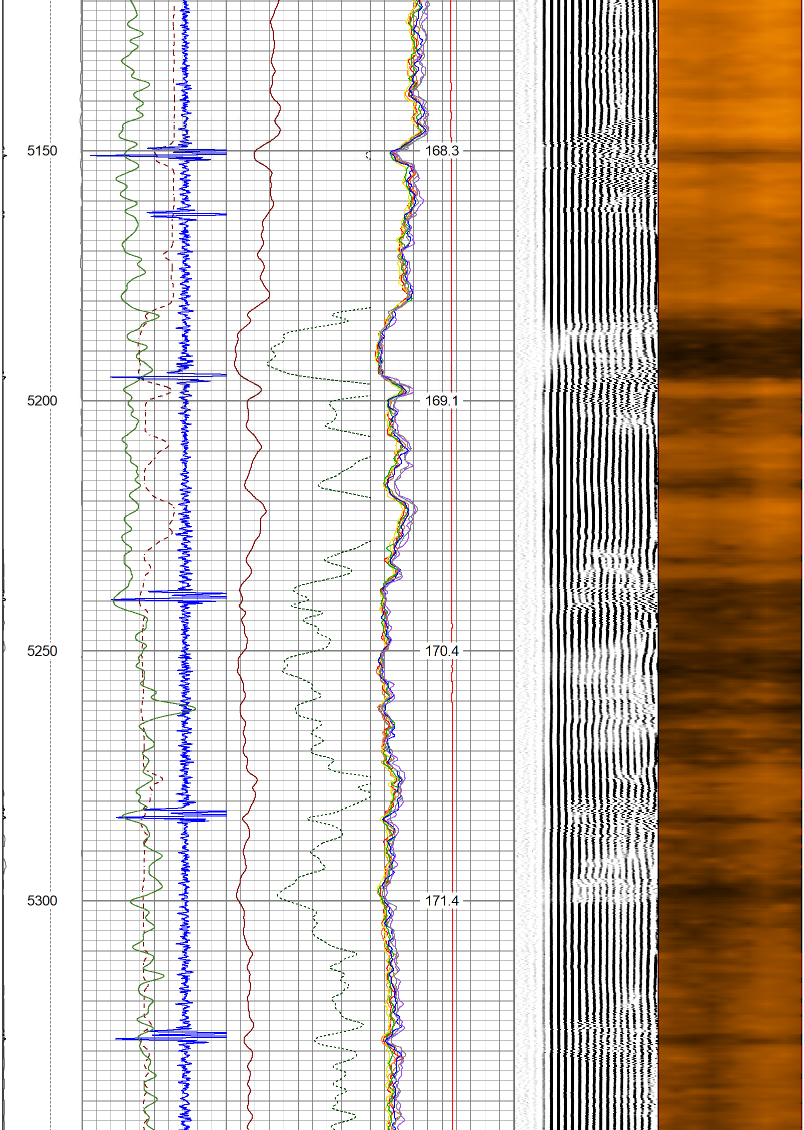
167.7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169.1
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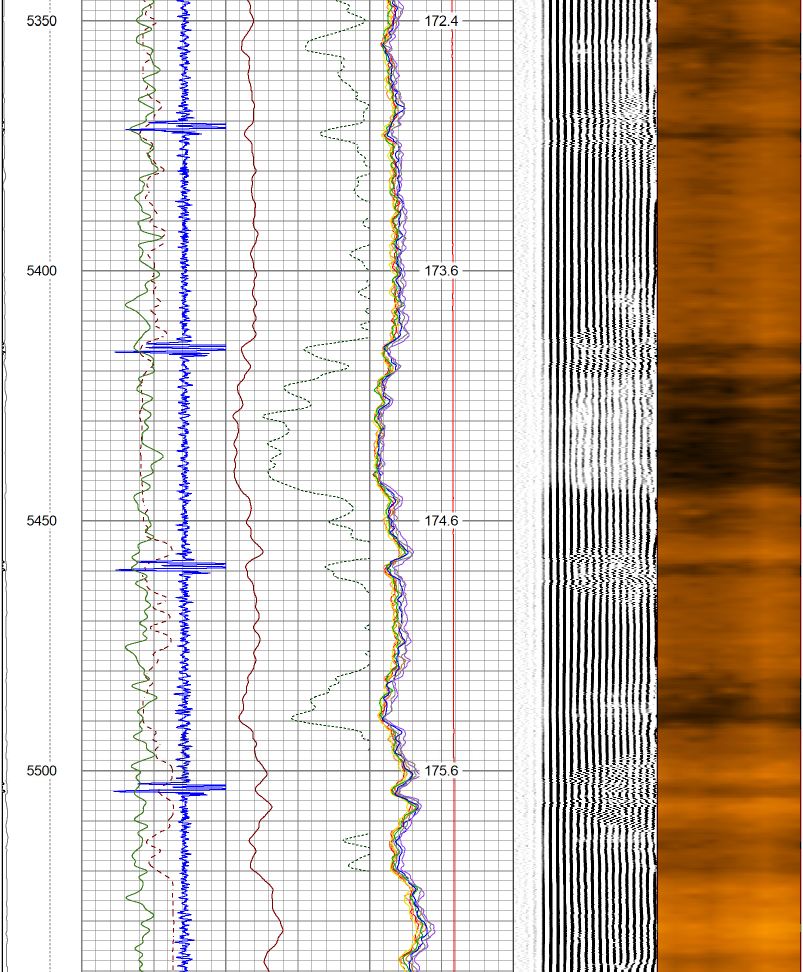
171.4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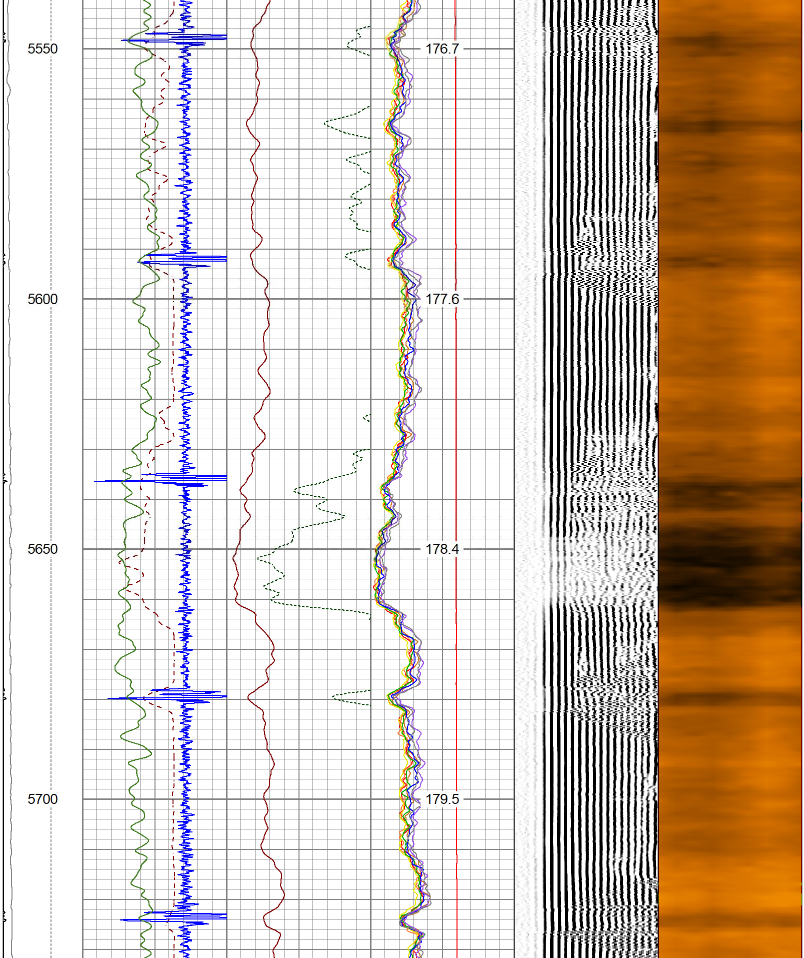
175.6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177.6
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178.4
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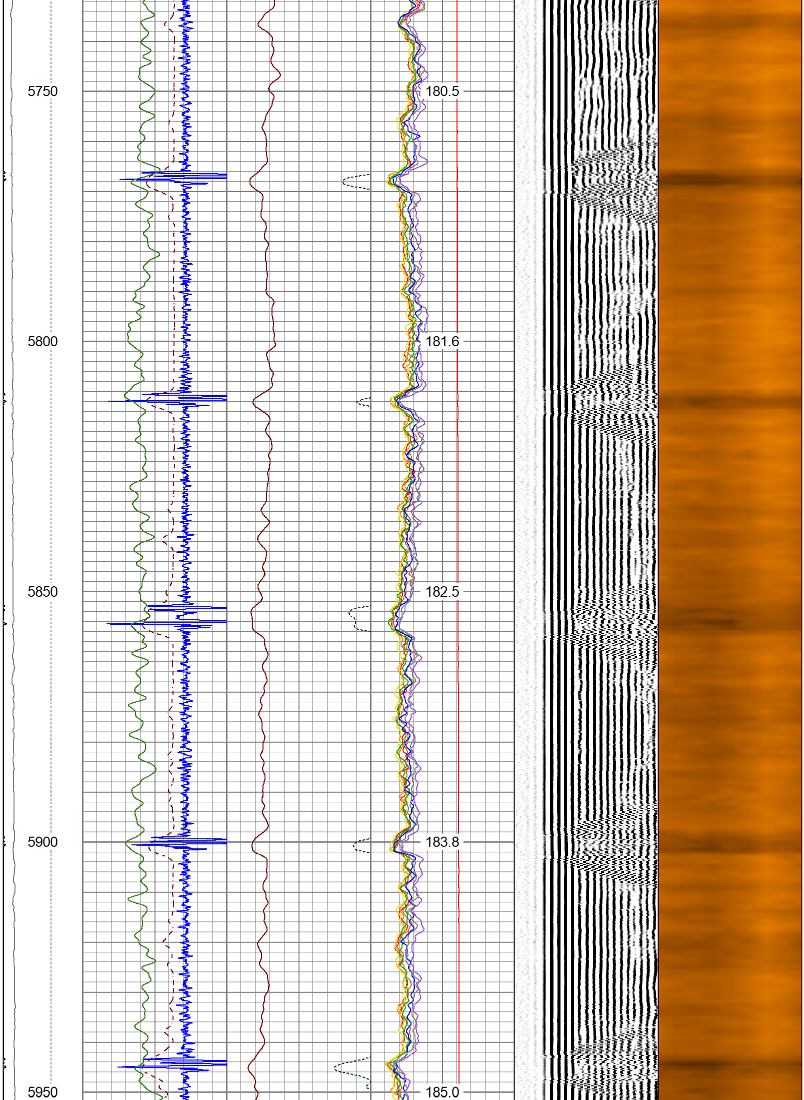
179.5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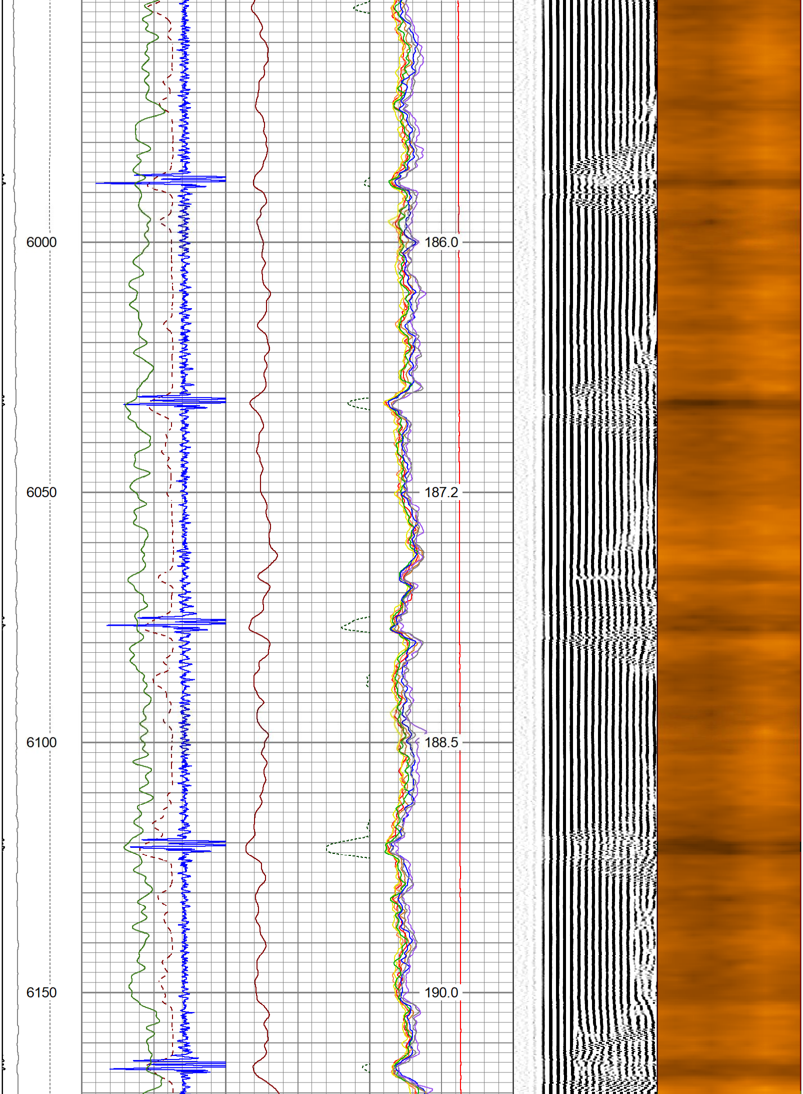
5950
185.0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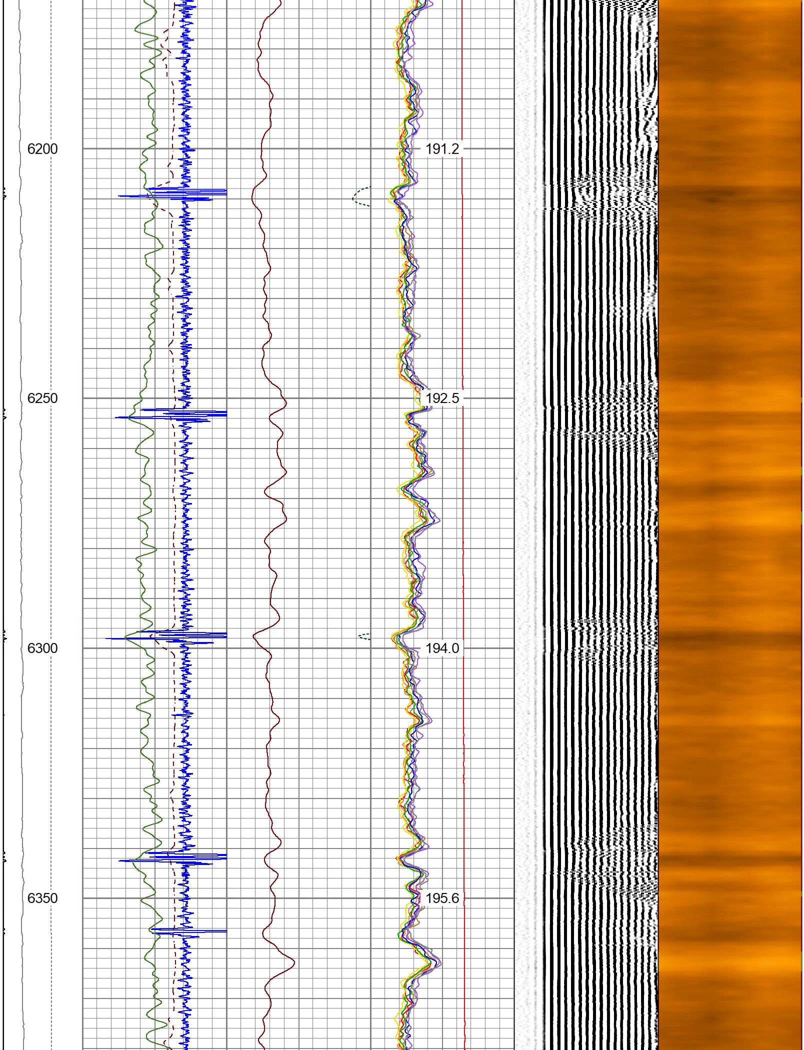
6050
187.2
6100
188.5
6150
190.0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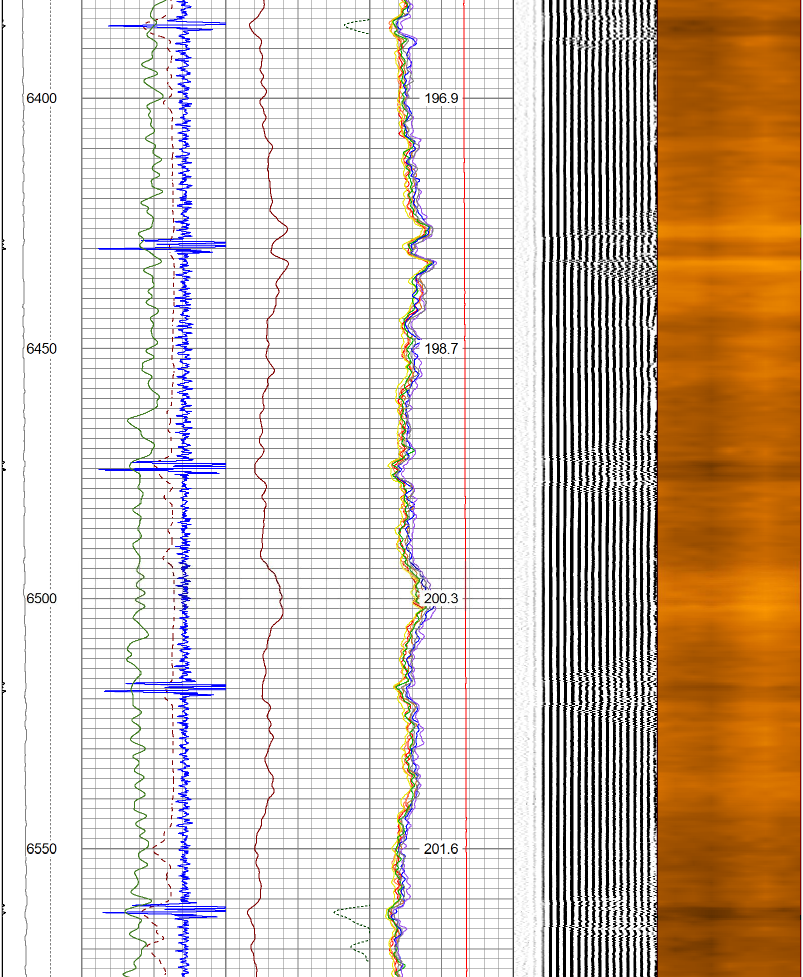
192.5
6300
194.0
6350
195.6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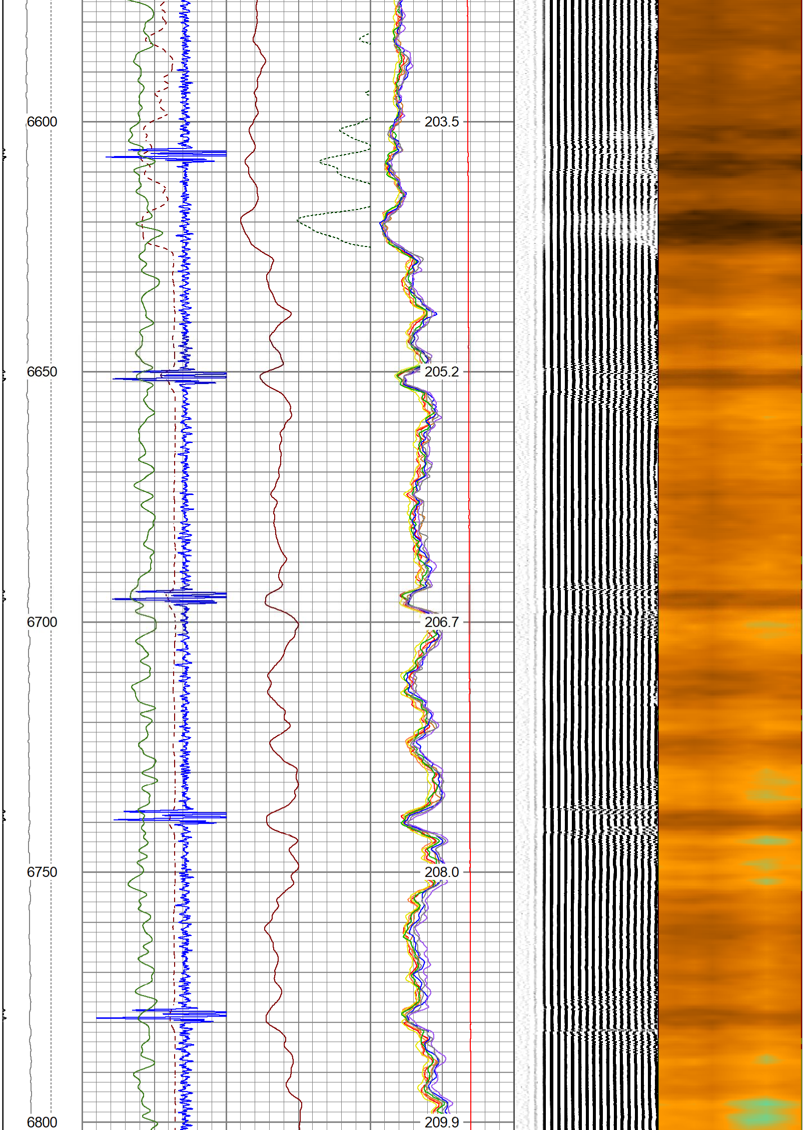
198.7
6500
200.3
6550
201.6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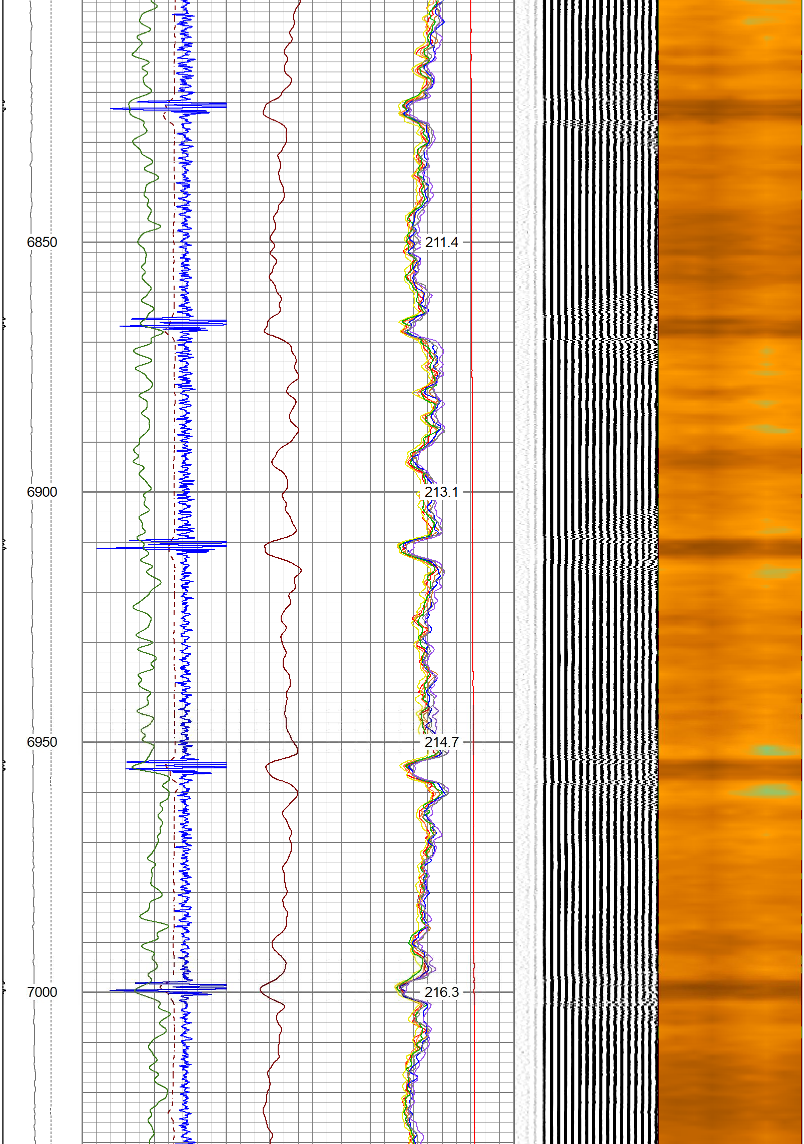
209.9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6950
214.7
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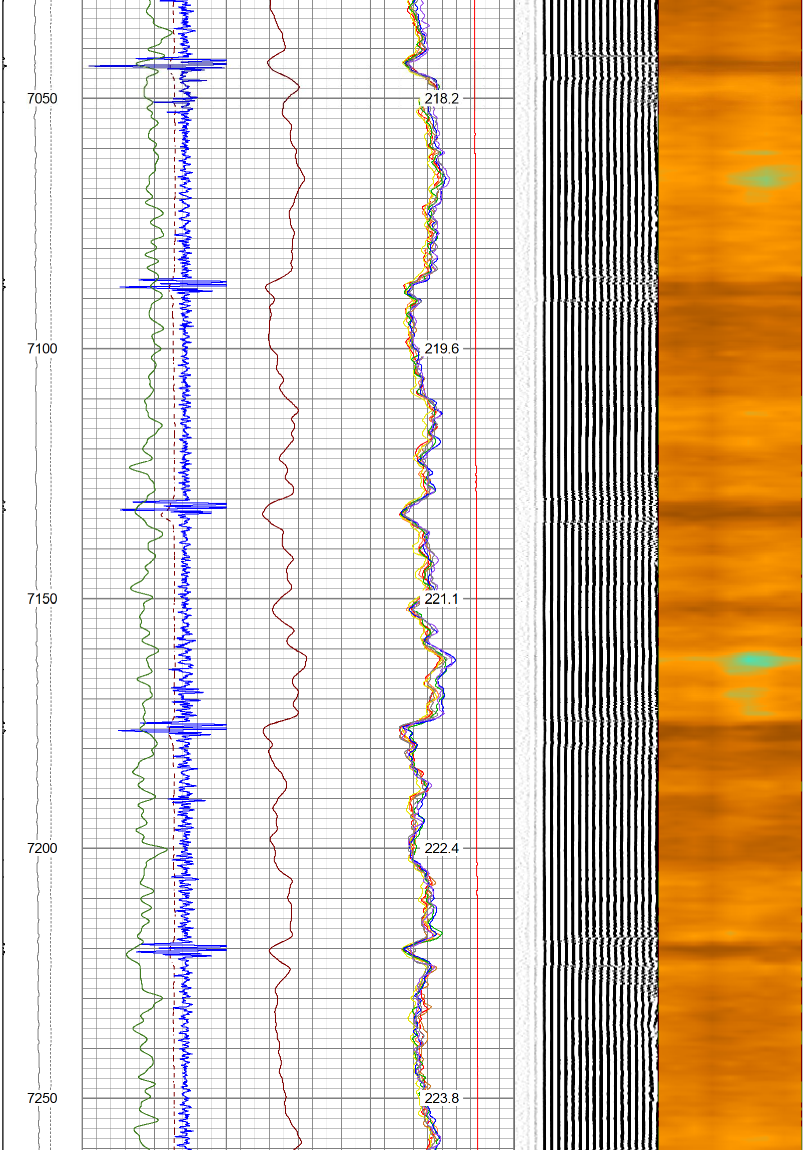
216.3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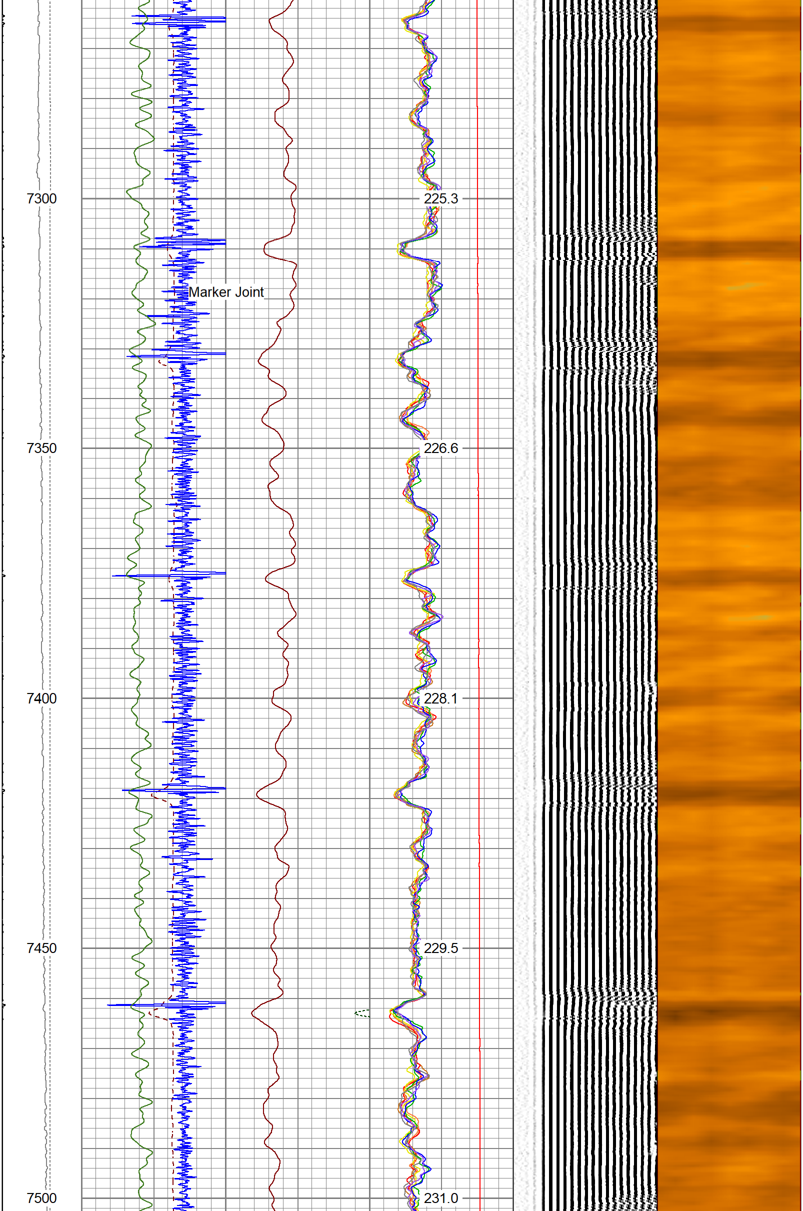
222.4
7250
223.8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225.3
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226.6
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229.5
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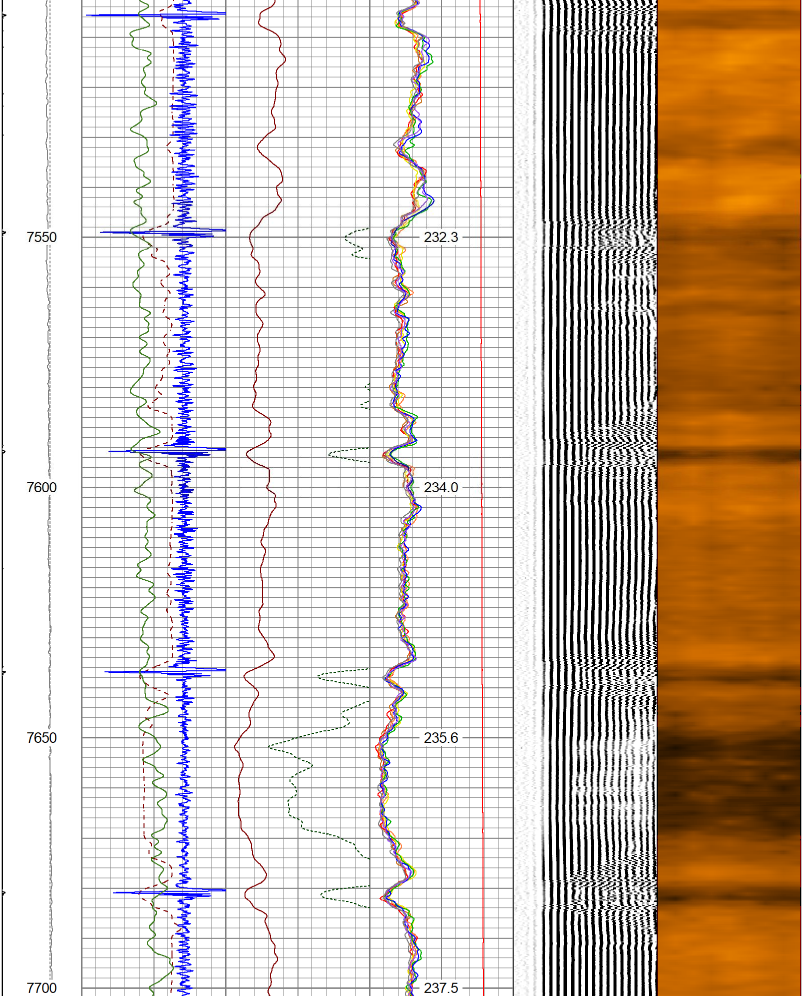
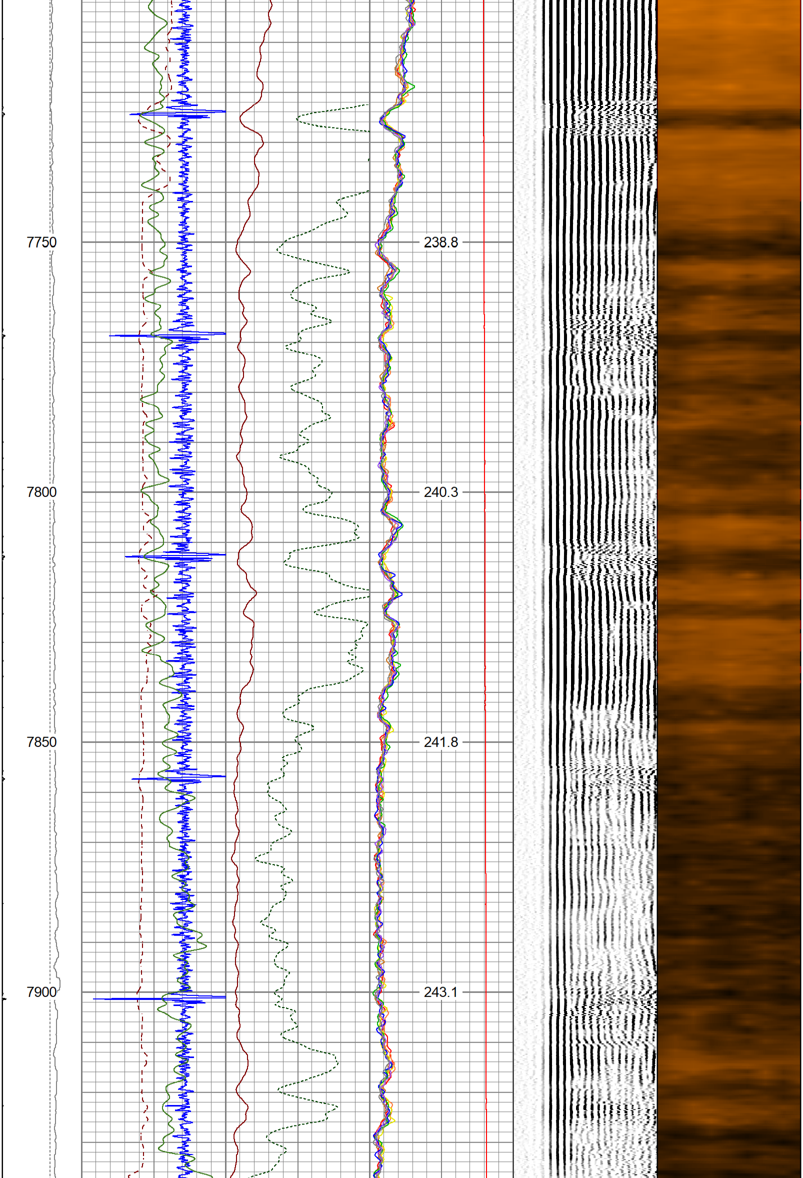
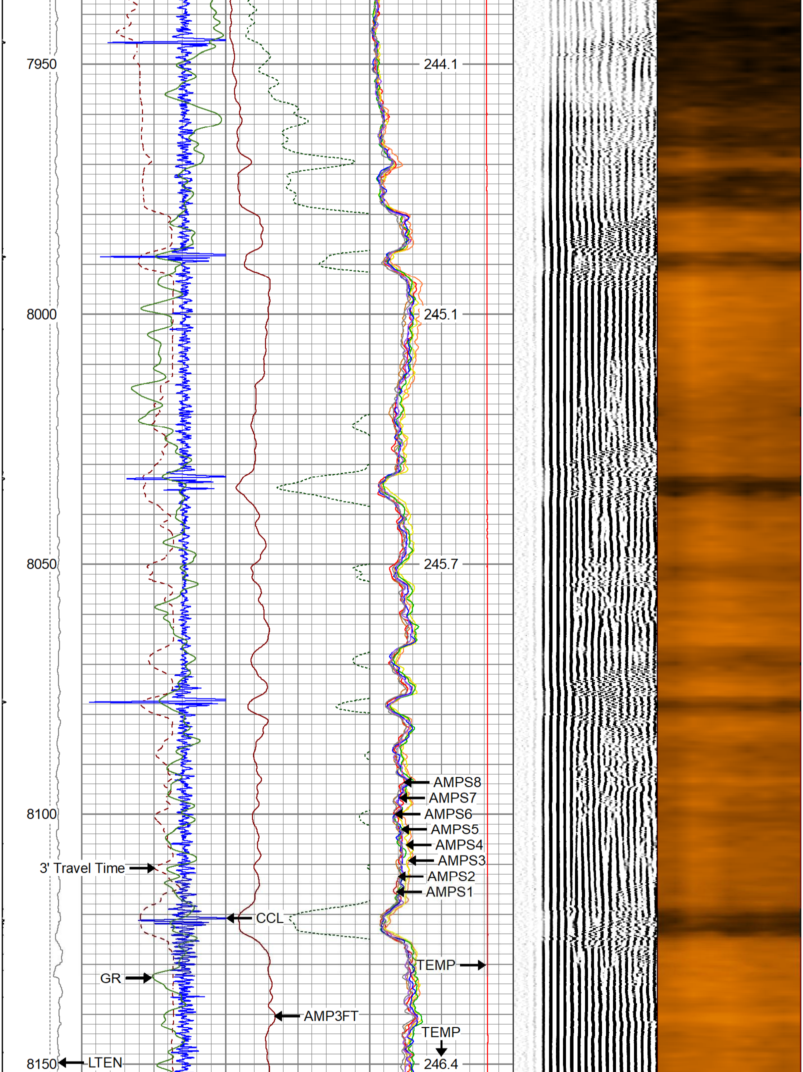
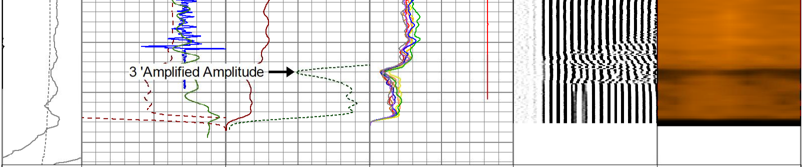
231.0

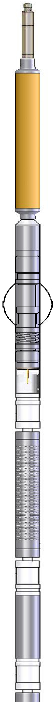




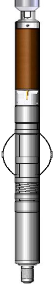




LTEN 0 (lb 1000 LSPD (ft/min) 500 -500 0 CCL 100	3' Travel Time 400 (usec) 200 Casing Collar Locator GAMMA RAY 0 (GAPI) 200	3' Amplitude 0 (mV) 100 3 'Amplified Amplitude 0 (mV) 20	0 AMPS1 150 0 AMPS2 150 0 AMPS3 150 0 AMPS4 150 0 AMPS5 150 0 AMPS6 150 0 AMPS7 150 0 AMPS8 150 0 TEMP (degF) 300 TEMP (degF)	5' Variable Density 200 (usec) 1200 -409.6 (V) 409.4	1 Sector Map 8 0 95

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			Cable Head-Titan_144 1 7/16" Titan Cable Head	1.03	1.44	2.00
CCL	15.21		PROBE-CCL-ANALOG-CCL-A (Probe-CCL-A1) Probe 2 3/4" Logging CCL	3.00	2.75	10.00
			CENT-overbody	2.00	4.50	3.00
TEMP	11.57					
WVFS8	9.27		PROBE-RBT-DIGITAL-RBL-DCT (130373) Probe 2 3/4" Radii Bond with Temp-Corrosion Package	9.21	2.75	105.00
WVFS7	9.27					
WVFS6	9.27					
WVFS5	9.27					
WVFS4	9.27					
WVFS3	9.27					
WVFS2	9.27					
WVFS1	9.27					
WVFCAL	9.27					
WVF3FT	9.27					
WVF5FT	8.27					

DCCL	4.21
GCT_TEMP	3.42
GR	2.83



PROBE-GR/CCL-DIGITAL-275 Probe GCT (2107026) Probe 2 3/4" Gamma Ray/Temp/CCL 6 Pin	4.75	2.75	60.00
CENT-overbody	2.00	4.50	3.00
Bullnose-PROBE Probe Go Pin Pressure Cap	0.33	1.38	1.00

Dataset: pdc_stugart_24n_rcbl_31023.db: field/well/run1/pass4.1
Total length: 18.32 ft
Total weight: 187.00 lb
O.D.: 4.50 in

Calibration Report

Database File pdc_stugart_24n_rcbl_31023.db
Dataset Pathname pass4.1
Dataset Creation Fri Mar 10 21:20:51 2023

Gamma Ray Calibration Report

Serial Number:	2107026	
Tool Model:	275 Probe GCT	
Performed:	Thu Jun 23 12:16:30 2022	
Calibrator Value:	200.0	GAPI
Background Reading:	43.9	cps
Calibrator Reading:	269.1	cps
Sensitivity:	0.8881	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	130373	
Tool Model:	RBL-DCT	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	285.483	ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.709	0.500	71.921	100.752	0.499
CAL	0.032	1.009				
5'	0.000	0.613	0.500	71.921	116.420	0.499
SUM						
S1	-0.005	0.730	0.000	100.000	135.949	0.730
S2	0.000	0.766	0.000	100.000	130.520	-0.002
S3	0.000	0.751	0.000	100.000	133.209	-0.002
S4	0.000	0.800	0.000	100.000	124.990	-0.003
S5	0.000	0.739	0.000	100.000	135.256	-0.002
S6	0.000	0.715	0.000	100.000	139.934	-0.002
S7	-0.006	0.725	0.000	100.000	136.835	0.782
S8	0.000	0.764	0.000	100.000	130.960	-0.002

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: 130373
Tool Model: RBL-DCT
Performed: Fri Mar 10 10:04:46 2023

	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF

Gain: 0.90
Offset: 0.00
Delta Spacing 1

GO WIRELINE LLC

Company	PDC Energy
Well	Stugart 24N
Field	Wattenberg
County	Weld
State	Colorado