NEXTIER
COMPLETION SOLUTIONS

RADIAL CEMENT BOND GAMMA RAY CCL LOG

Company DONNELLY CASING PULLING CO
Well MCCONLEY (OWP)
Field KEY
County LOGAN
State COLORADO

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Well	MCCONLEY (OWP)
Field	KEY
County	LOGAN State COLORADO

Location: API # : 05-075-09163
NW/SW
SEC 30 TWP 8N RGE 53W

Other Services

		Elevation
Permanent Datum	GROUND LEVEL Elevation 4202'	K.B. 4216'
Log Measured From	KELLY BUSHING WHICH IS 14' AGL	D.F. 4215'
Drilling Measured From	KELLY BUSHING	G.L. 4202'

Date	24 JULY 2020		
Run Number	ONE		
Depth Driller	5086'		
Depth Logger	4850'		
Bottom Logged Interval	4847'		
Top Log Interval	SURFACE		
Casing Size	5.5"		
Type Fluid	WATER		
Max. Recorded Temp.	N/A		
Estimated Cement Top	4378'		
Time Well Ready	R.O.A.		
Time Logger On Bottom	12:20 PM		
Unit Number	200099		
Tool Size / ID Number	2.75 RADIAL PROBE		
Location	STERLING, CO		
Recorded By	ADAM GARDNER		
Witnessed By	MIKE BOHLER		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	5.5"	14#		
Liner				

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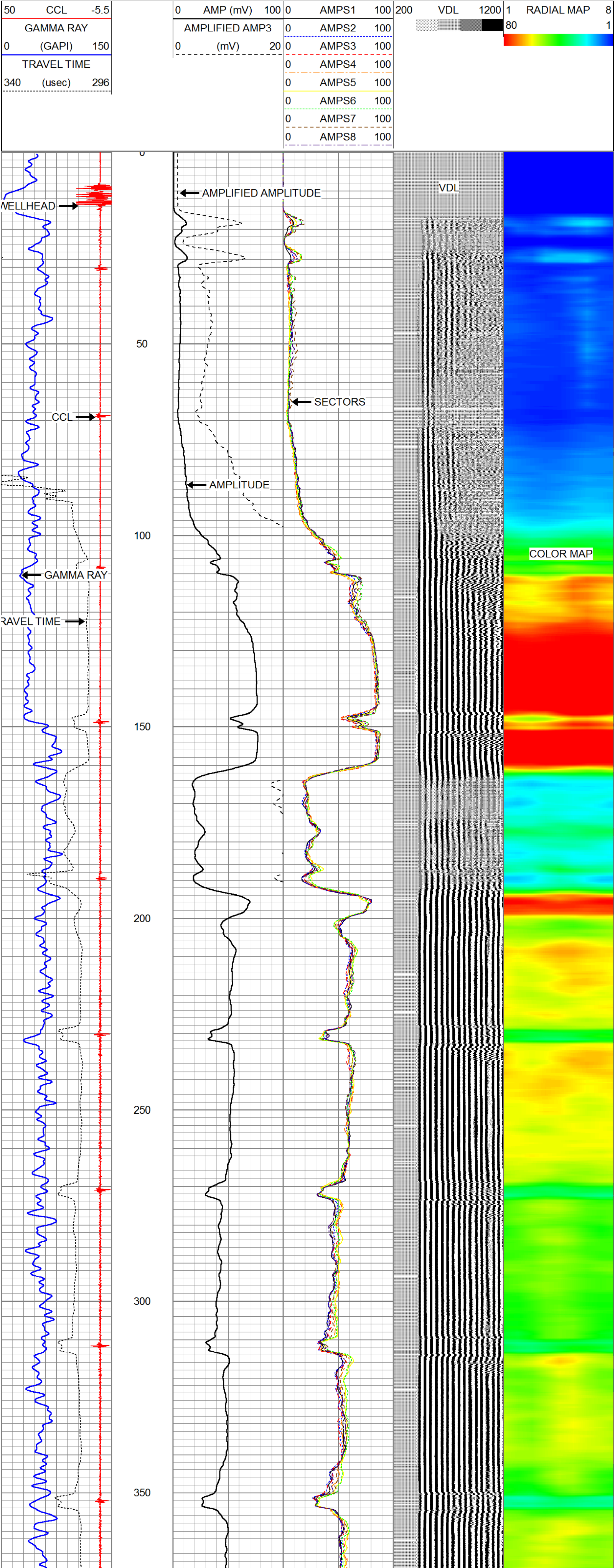
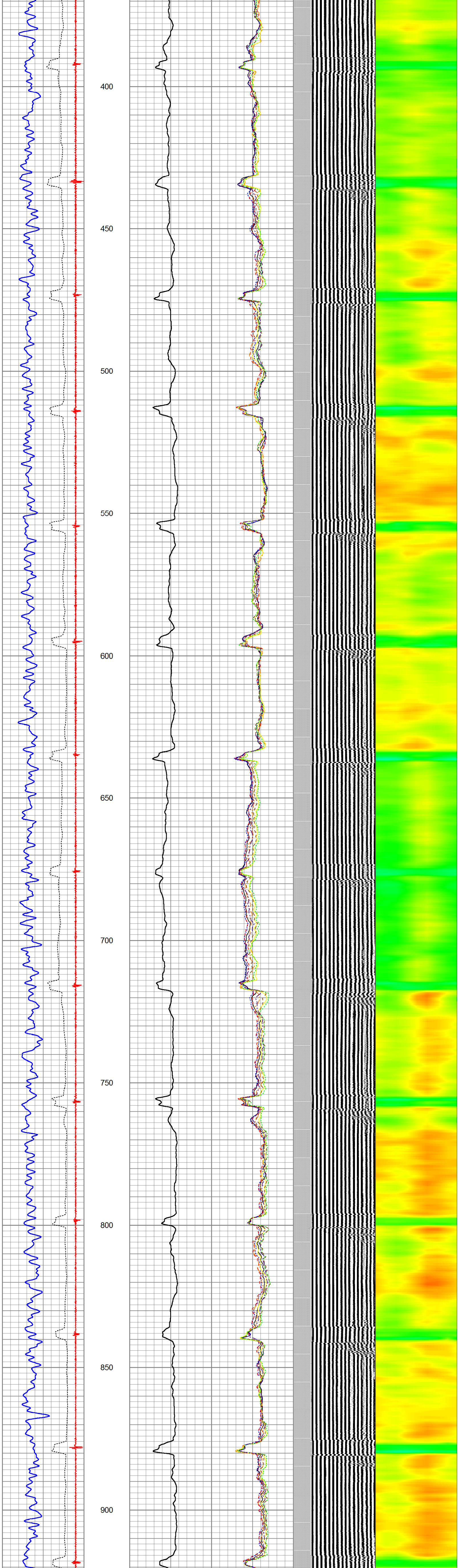
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

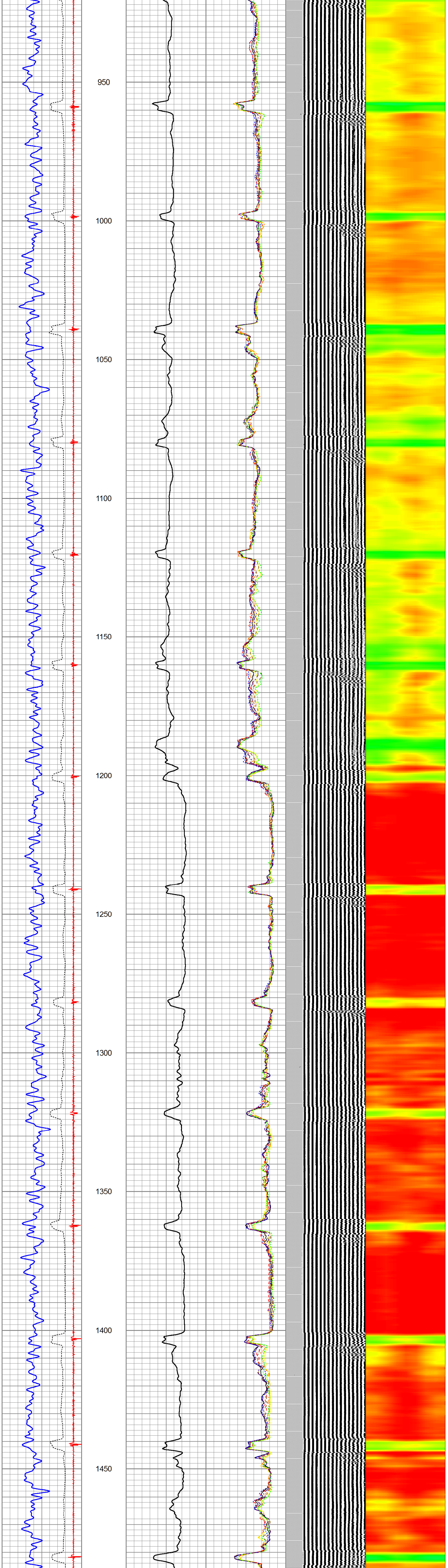
Comments

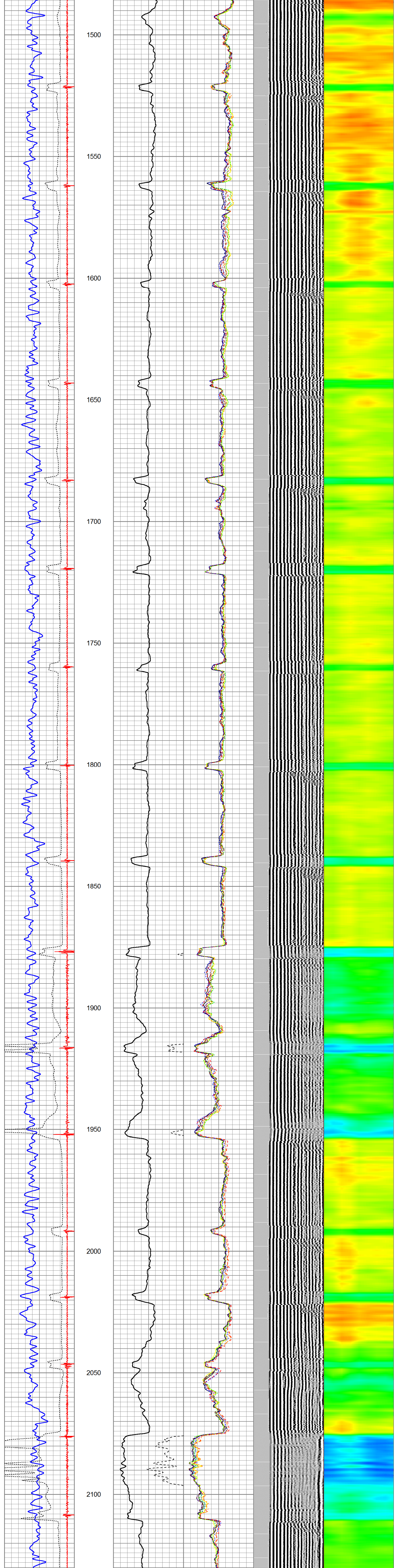
LOG NOT CORRELATED.
LOG RAN WITH 14' KB.
ESTIMATED CEMENT TOP 4378'.

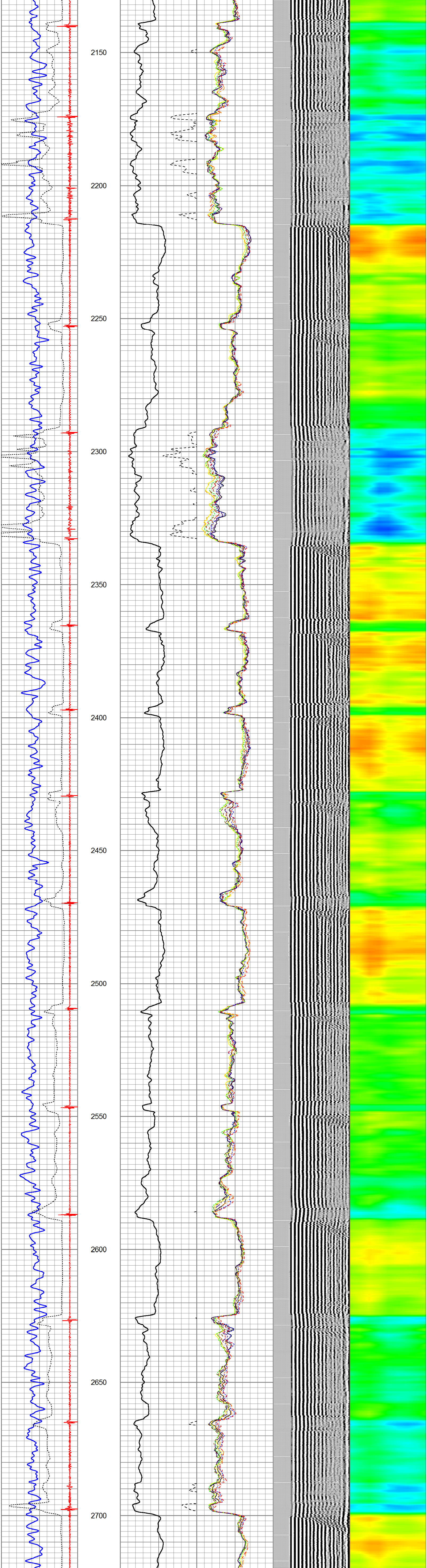
Database File:	bohler sterling.db
Dataset Pathname:	pass11
Presentation Format:	zwag
Dataset Creation:	Fri Jul 24 12:19:17 2020 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

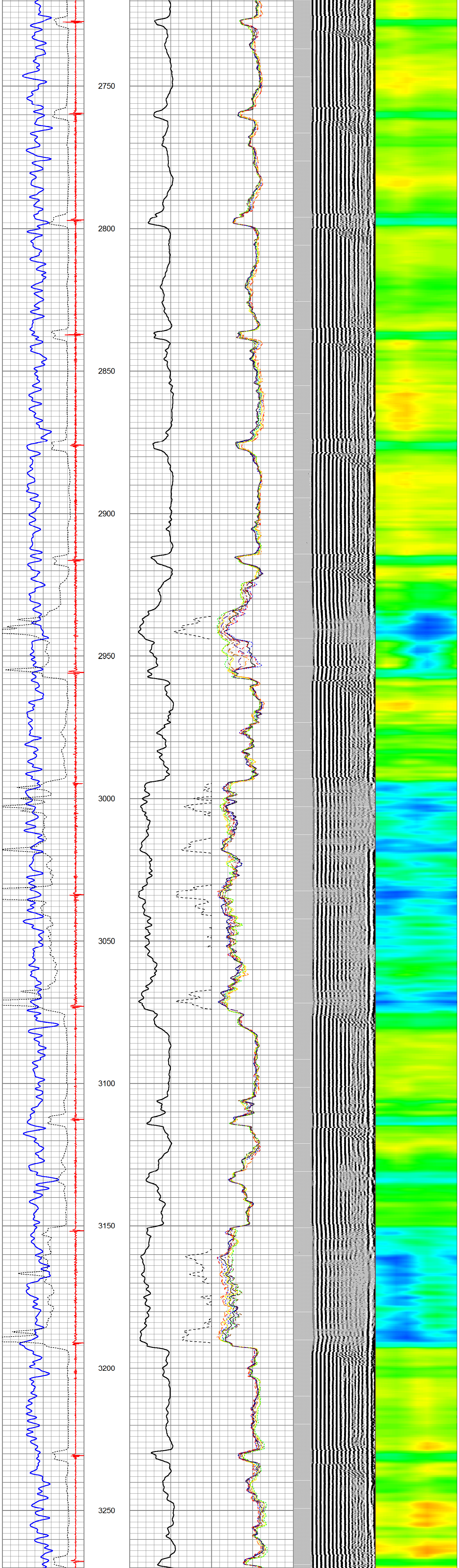


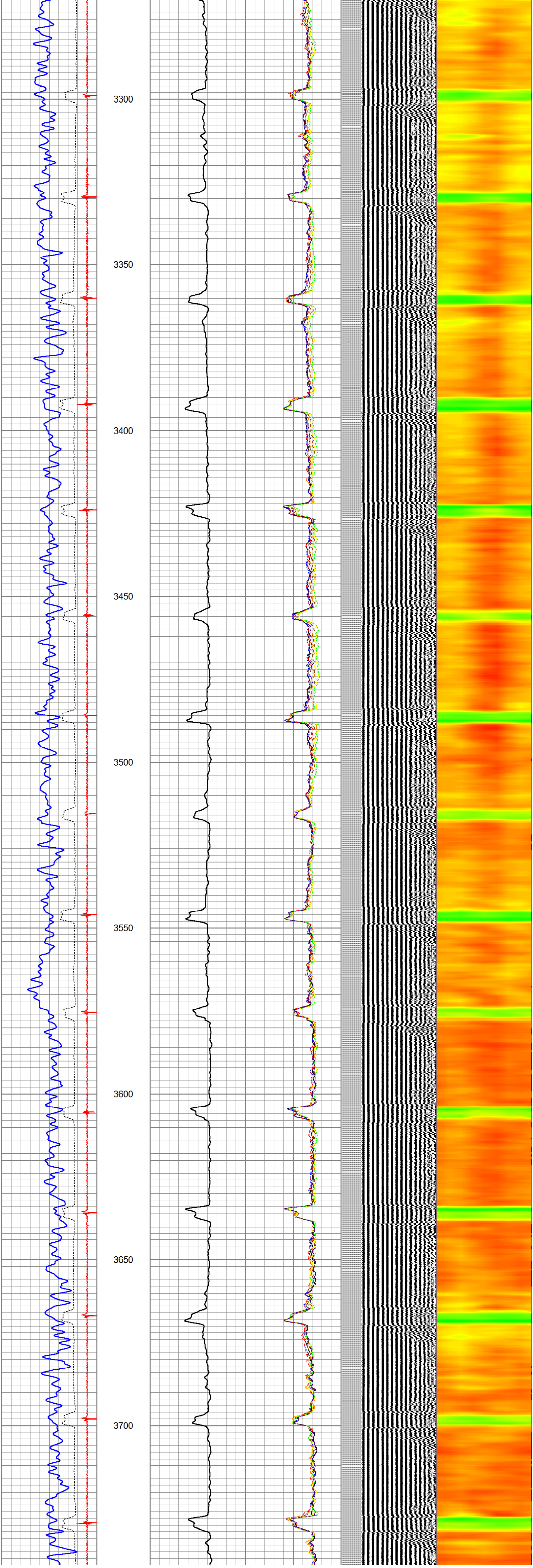


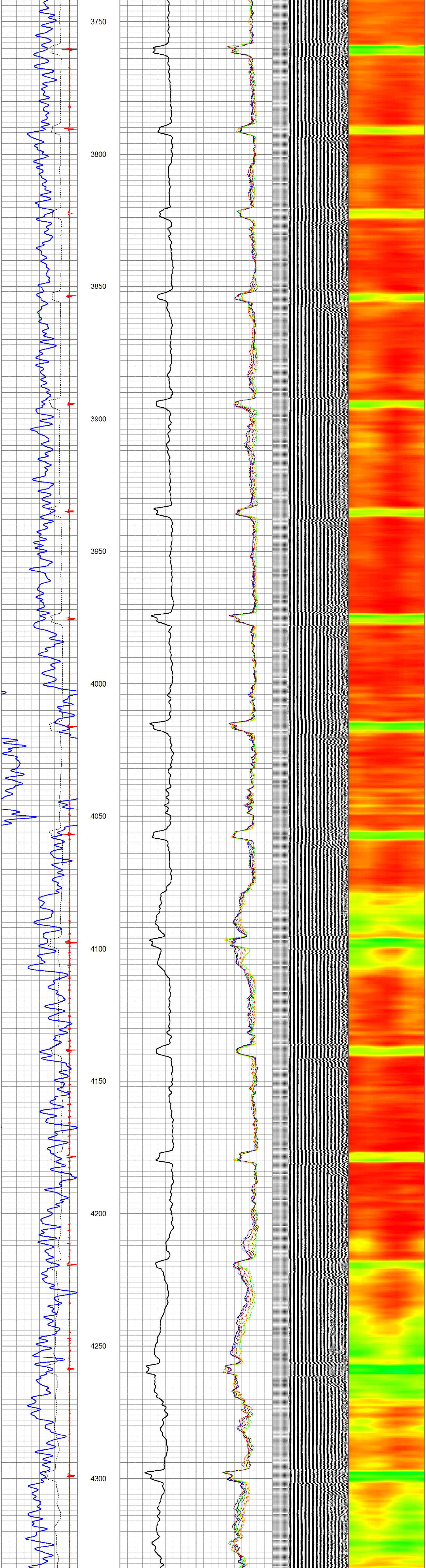


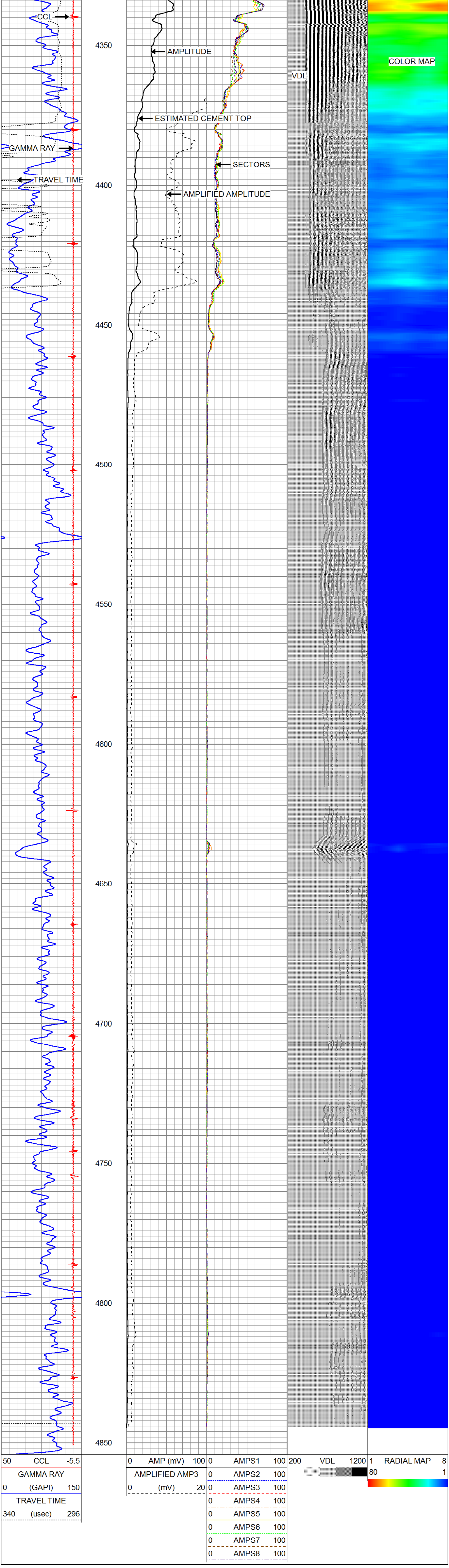












Log Variables

Database:C:\Warrior\Data\bohler sterling.db
Dataset: field/well/run1/pass11

Top - Bottom

PPT usec 374	CASEWGHT lb/ft 14	MAXAMPL mV 72	MINAMPL mV 0	MINATTN db/ft 0.8	SRFTEMP degF 80	CASEOD in 5.5	PERFS 0
TDEPTH ft 0	BOTTEMP degF 200	BOREID in 7.875					

Calibration Report

Database File: bohler sterling.db
Dataset Pathname: pass11
Dataset Creation: Fri Jul 24 12:19:17 2020 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 110785

SHOP CALIBRATION

Wed Mar 18 07:21:11 2020

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.5200			GAPI/cps

PRIMARY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number:	101020	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	1375.142	ft

Master Calibration, performed Fri Jul 24 09:11:47 2020:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	1.809	0.800	72.000	39.521	0.493
CAL	0.008	0.601				
5'	0.008	1.311	0.800	72.000	54.621	0.365
SUM						
S1	0.008	1.796	0.000	72.000	40.259	-0.311
S2	0.008	1.843	0.000	72.000	39.225	-0.306
S3	0.008	1.875	0.000	72.000	38.559	-0.315
S4	0.008	1.873	0.000	72.000	38.596	-0.297
S5	0.008	1.842	0.000	72.000	39.254	-0.319
S6	0.008	1.793	0.000	72.000	40.336	-0.310
S7	0.008	1.779	0.000	72.000	40.646	-0.330
S8	0.008	1.784	0.000	72.000	40.527	-0.305

Internal Reference Calibration, performed Fri Jan 13 14:30:16 2012:

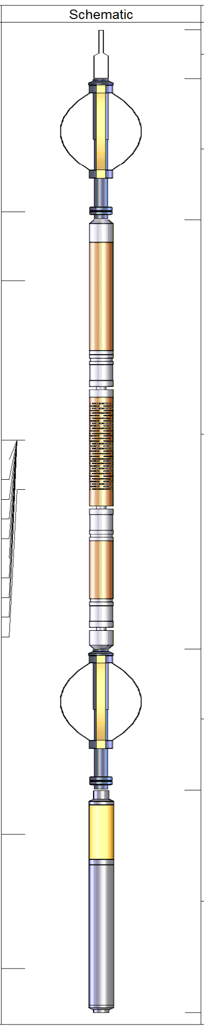
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.008	0.601	1.000	0.000

Air Zero Calibration, performed Mon Dec 30 15:19:04 2019:

	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

Sensor	Offset (ft)
HEADVOLT	16.33
IntTemp	14.92
WVF3FT	11.67
WVFCAL	11.67
WVFS1	11.67
WVFS2	11.67
WVFS3	11.67
WVFS4	11.67
WVFS5	11.67
WVFS6	11.67
WVFS7	11.67
WVFS8	11.67
WVF5FT	10.67
CCL	3.63
GR	0.90

Schematic



Description	Len (ft)	OD (in)	Wt (lb)
STNDRD Standard Cable Head	1.00	1.69	10.00
Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
RBT-Probe (101020) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
GR-Probe275dig (110785) Probe Gamma CCL	4.54	2.75	57.00

Dataset: bohler sterling.db: field/well/run1/pass11
Total Length: 20.04 ft
Total Weight: 197.00 lb
O.D. 2.75 in