NEXTIER
COMPLETION SOLUTIONS

GAMMA RAY CCL
CEMENT BOND VDL

Company ENERGY SEARCH CO ADBA ENERGY
Well RESLER (OWP) 22-27
Field FIRST-ONE
County WASHINGTON
State COLORADO

Company ENERGY SEARCH CO ADBA ENERGY SEARCH CO
Well RESLER (OWP) 22-27
Field FIRST-ONE
County WASHINGTON **State** COLORADO
Location: API # : 05-121-10345-00

SE/NW

SEC 27 TWP 2N RGE 53W

Other Services
NONE

			Elevation
Permanent Datum	GROUND LEVEL	Elevation 4730'	K.B. 4740'
Log Measured From	KELLY BUSHING WHICH IS 10' AGL		D.F. N/A
Drilling Measured From	KELLY BUSHING		G.L. 4730'

Date	1 JULY 2020
Run Number	ONE
Depth Driller	5030'
Depth Logger	4793'
Bottom Logged Interval	4790'
Top Log Interval	SURFACE
Casing Size	5.5"
Type Fluid	WATER
Max. Recorded Temp.	N/A
Estimated Cement Top	4194'
Time Well Ready	8:00AM
Time Logger On Bottom	9:43AM
Unit Number	200099
Tool Size / ID Number	2.75 RADIAL PROBE
Location	AKRON, 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	8.625"	24#	SURFACE	130'
Prot. String				
Production String	5.5"	14#	SURFACE	5025'
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.

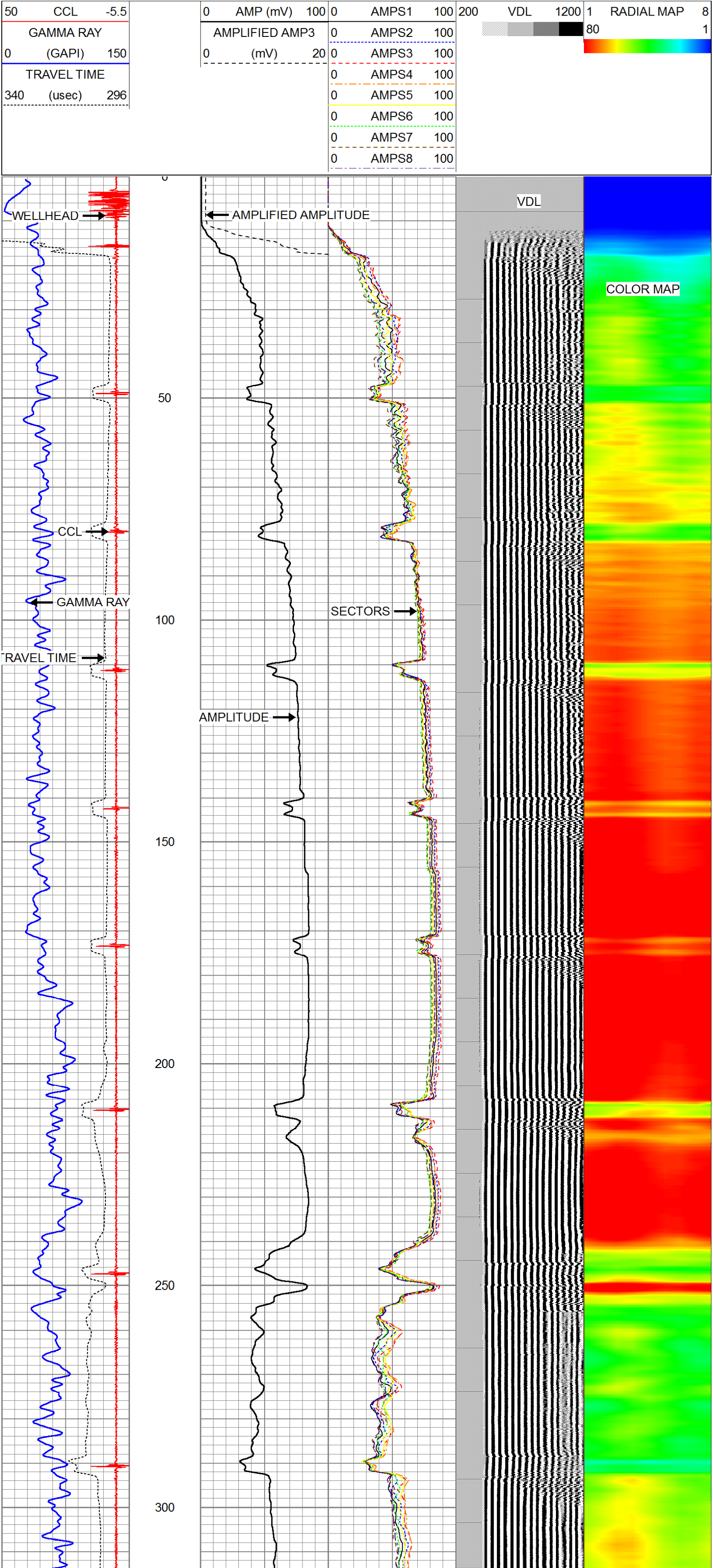
Comments

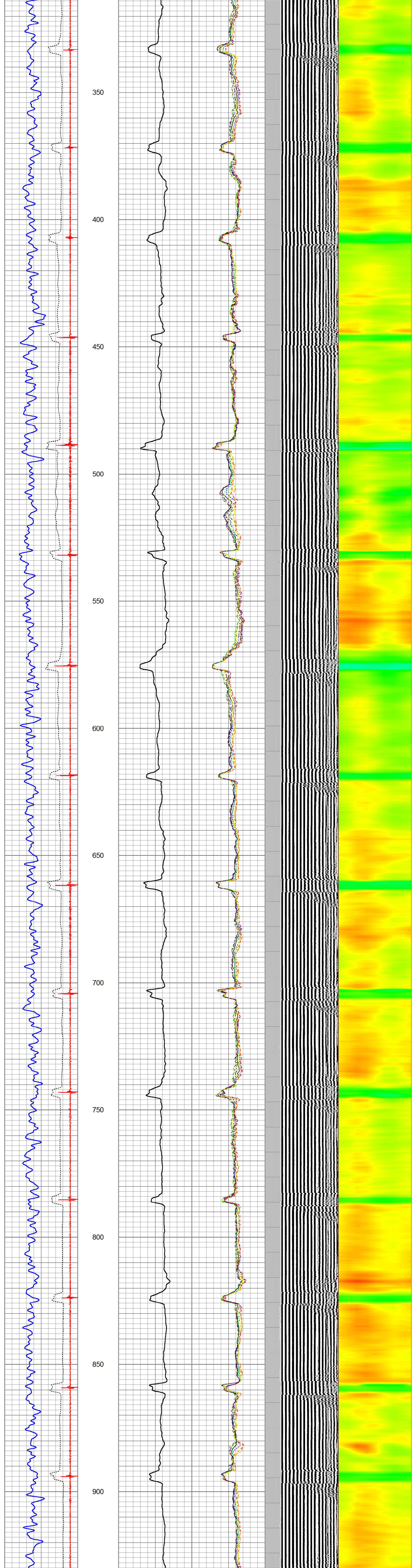
LOG NOT CORRELATED.
LOG RAN WITH 10' KB.
ESTIMATED CEMENT TOP 4194'

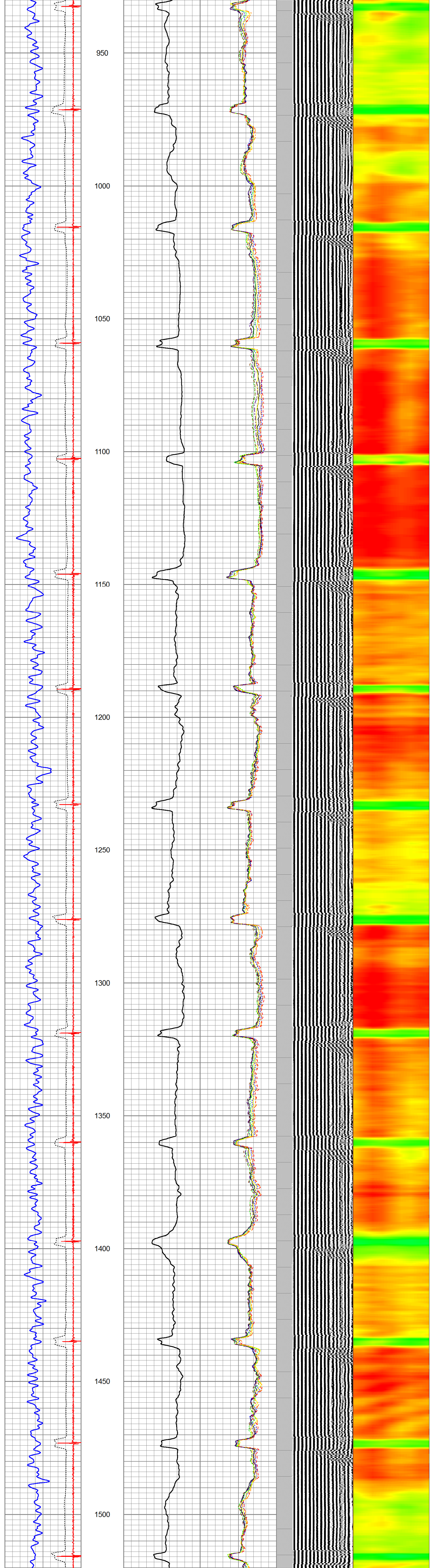
NEXTIER
COMPLETION SOLUTIONS

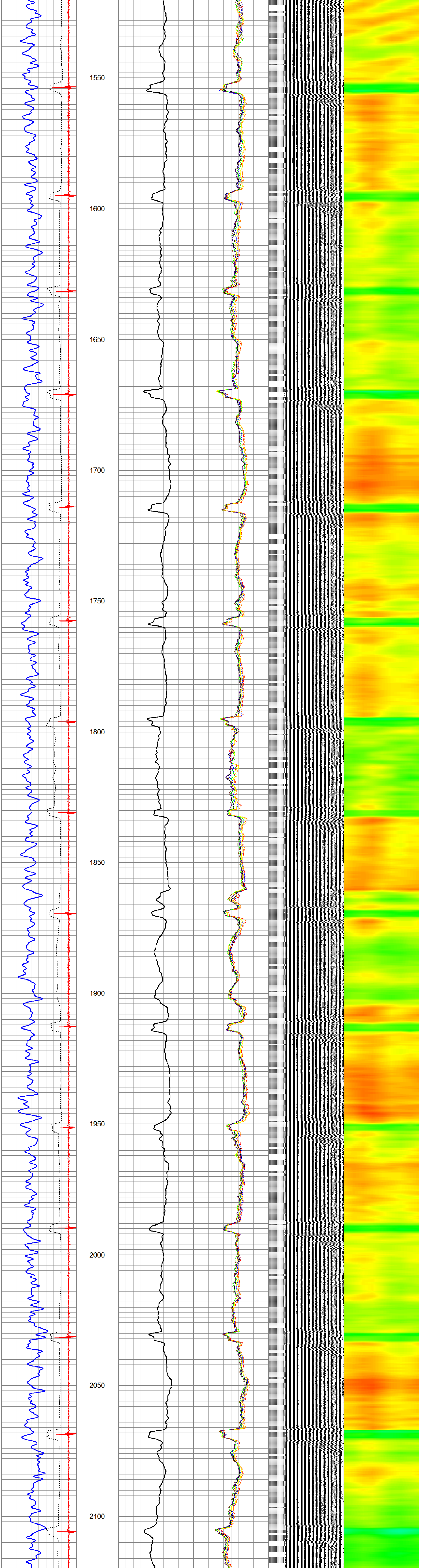
MAIN PASS (0 PSI)

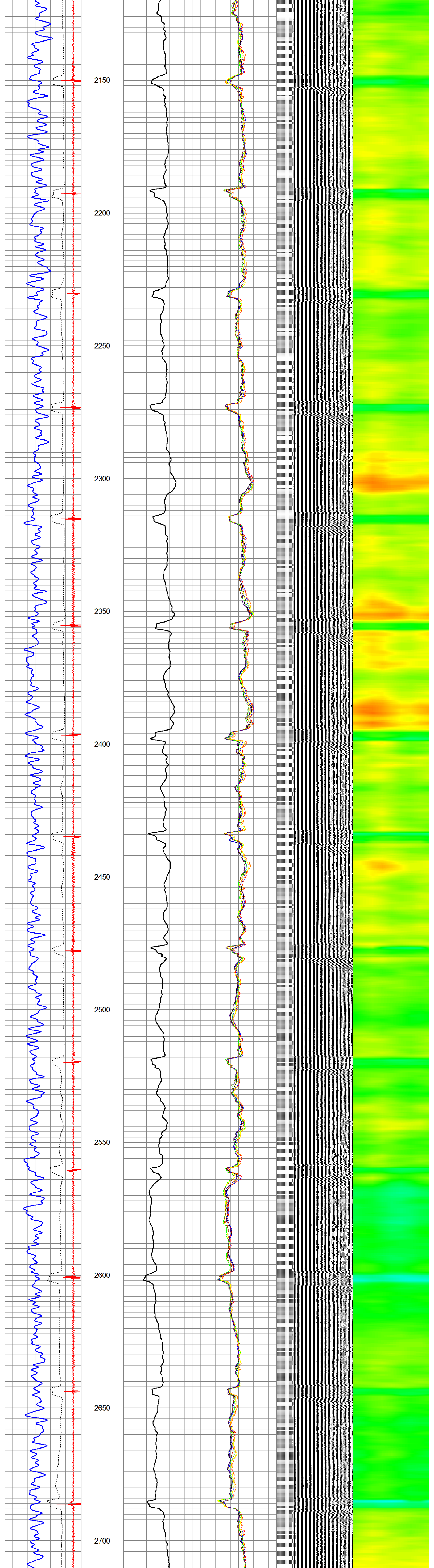
Database File:	resler (owp) #22-27 rcbl 7-1-2020 ag.db
Dataset Pathname:	pass13
Presentation Format:	zwag
Dataset Creation:	Wed Jul 01 09:42:55 2020 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

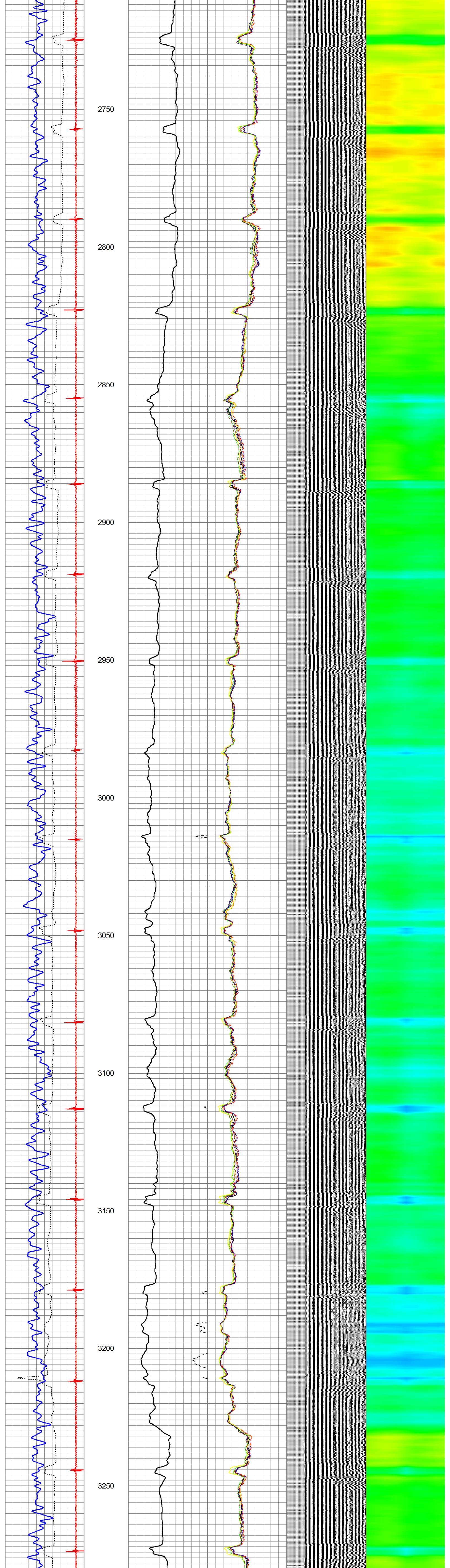


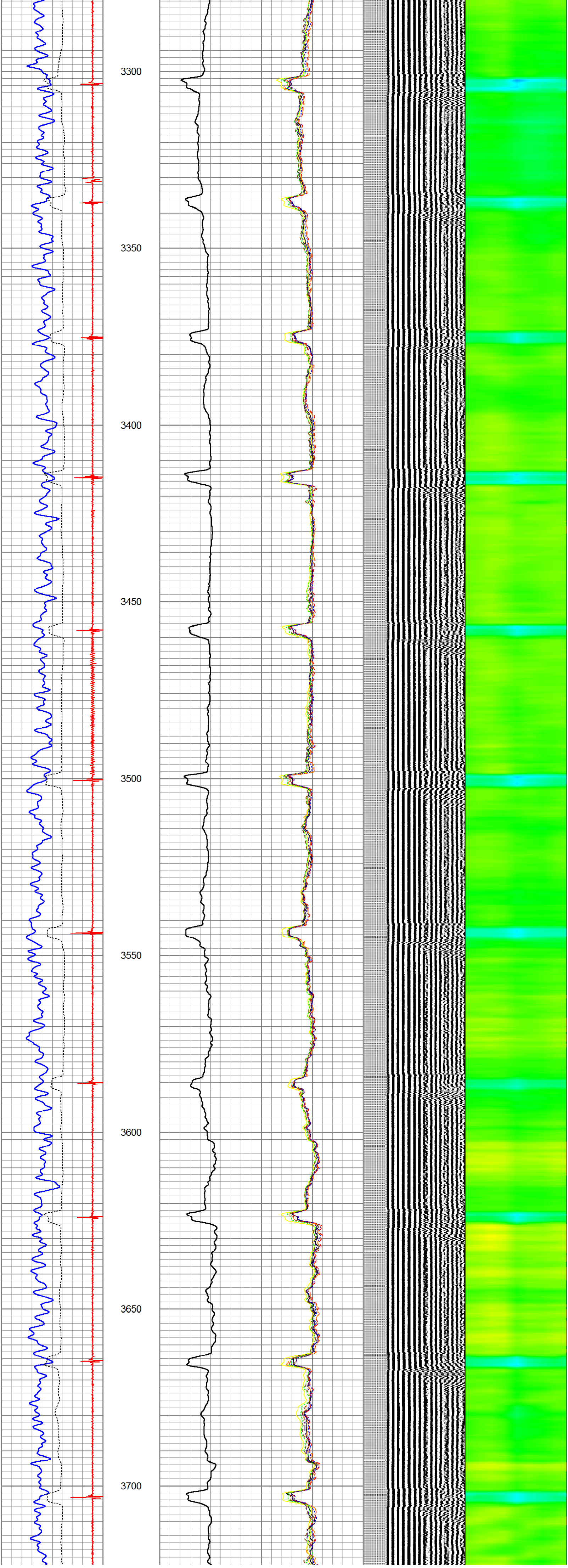


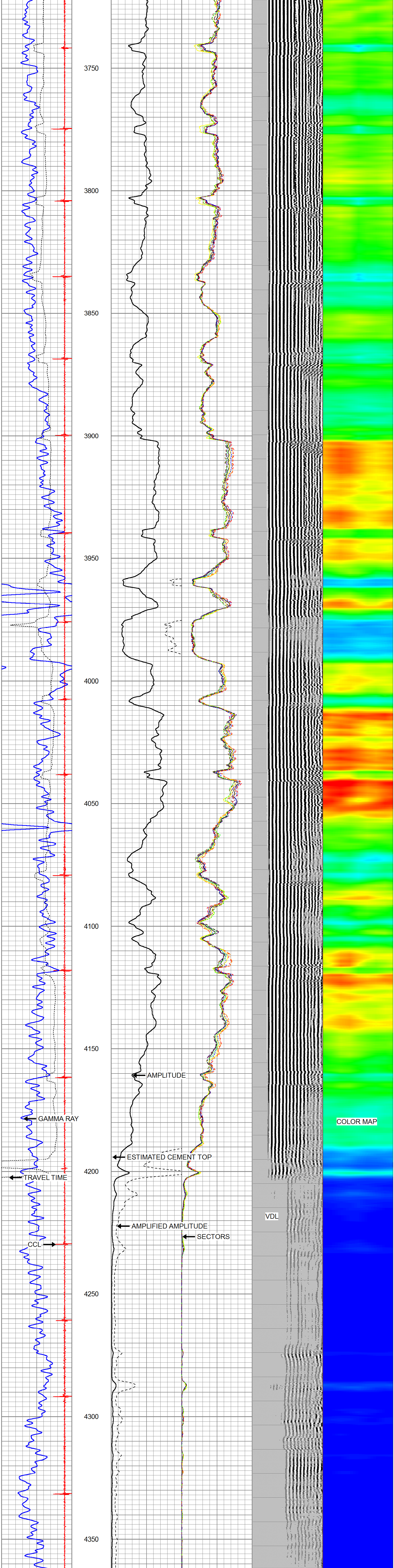


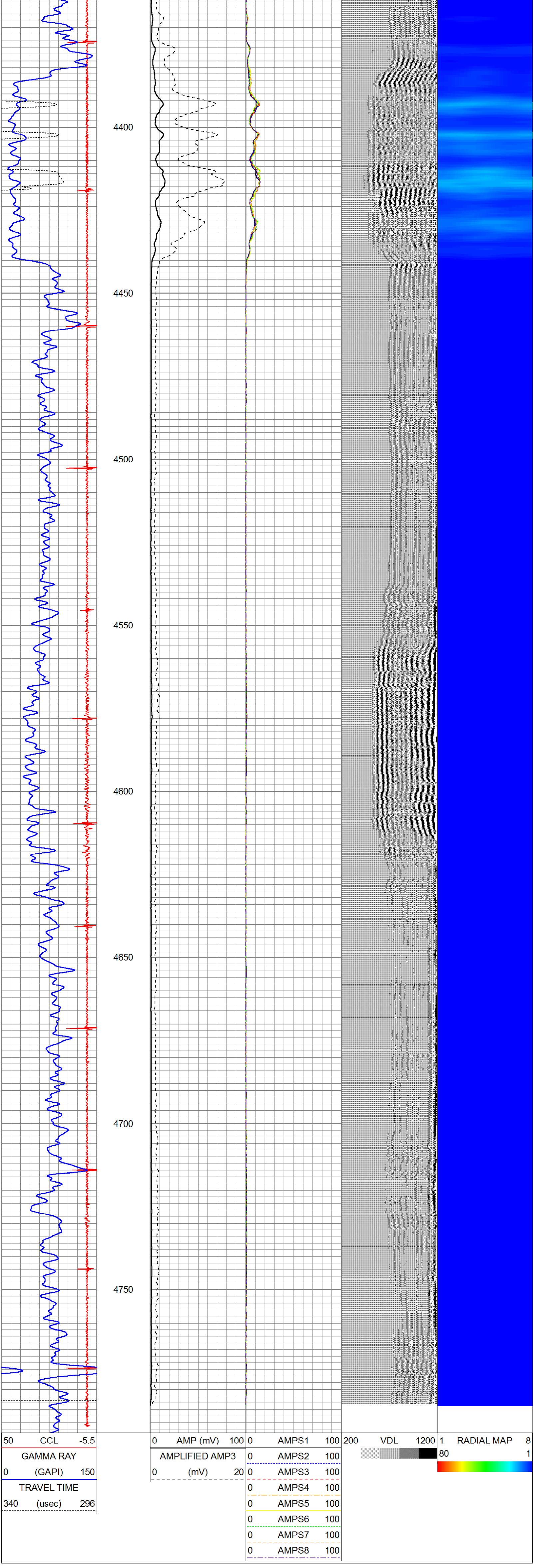












Log Variables

Database:C:\Warrior\Data\resler (owp) #22-27 rcbl 7-1-2020 ag.db
Dataset: field/well/run1/pass13

Top - Bottom

PPT usec	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN db/ft	SRFTEMP degF	CASEOD in	PERFS
374	24	72	1	0.8	85	5.5	0

TDEPTH ft	BOTTEMP degF	BOREID in
0	200	8.625

Calibration Report

Database File: resler (owp) #22-27 rcbl 7-1-2020 ag.db
Dataset Pathname: pass13
Dataset Creation: Wed Jul 01 09:42:55 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

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

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:	5.500 in
Calibration Depth:	3924.792 ft

Master Calibration, performed Wed Jul 01 09:37:25 2020:

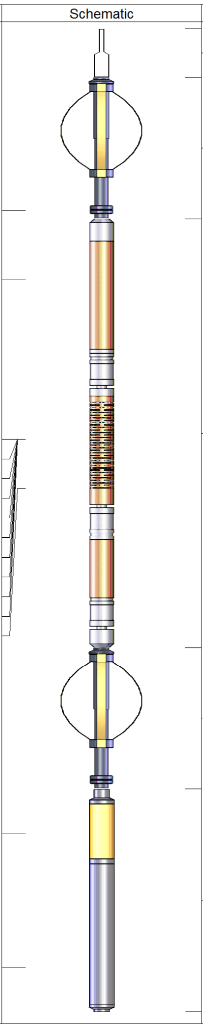
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	1.957	0.800	71.921	36.488	0.512
CAL	0.008	0.896				
5'	0.008	1.833	0.800	71.921	38.967	0.501
SUM						
S1	0.008	1.942	0.000	72.000	37.227	-0.285
S2	0.008	1.907	0.000	72.000	37.916	-0.292
S3	0.008	1.888	0.000	72.000	38.282	-0.292
S4	0.008	1.948	0.000	72.000	37.108	-0.288
S5	0.008	2.035	0.000	72.000	35.517	-0.274
S6	0.008	2.067	0.000	72.000	34.965	-0.265
S7	0.008	2.036	0.000	72.000	35.490	-0.273
S8	0.008	1.977	0.000	72.000	36.556	-0.275

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	0.896	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)	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
HEADVOLT	16.33					
IntTemp	14.92					
WVF3FT	11.67		RBT-Probe (101020) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
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					
			Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
CCL	3.63					
			GR-Probe275dig (110785) Probe Gamma CCL	4.54	2.75	57.00
GR	0.90					

Dataset:	resler (owp) #22-27 rcbl 7-1-2020 ag.db: field/well/run1/pass13
Total Length:	20.04 ft
Total Weight:	197.00 lb
O.D.	2.75 in