



**RADIAL CEMENT BOND  
GAMMA RAY/CCLVDL**

Company ANTERO RESOURCES CORPORATION  
 Well BEEM 3H  
 Field MARCELLUS  
 County TYLER  
 State W.V.

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Location: API #: 47095024740000 Other Services

Permanent Datum	SEC	TWP	RGE	Elevation	N/A	Elevation
Log Measured From		G.L.				K.B. N/A
Drilling Measured From		G.L.				D.F. N/A
		K.B.				G.L. N/A

Date	2/4/19	
Run Number	ONE	
Depth Driller	17151	
Depth Logger	6861	
Bottom Logged Interval	6790	
Top Log Interval	SURFACE	
Open Hole Size	8.5"	
Type Fluid	H2O	
Density / Viscosity	N/A	
Max. Recorded Temp.	141 DEG	
Estimated Cement Top	1650 FT	
Time Well Ready	N/A	
Time Logger on Bottom	N/A	
Equipment Number	340	
Location	BRIDGEPORT.WV	
Recorded By	K.LINGER	
Witnessed By	JAY TEPPER	

**Borehole Record**      **Casing Record**

Run Number	Bit	From	To	Size	Weight	From	To
				5.5	23	0	17151

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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**

THANK YOU FOR USING KLX ENERGY SERVICES  
 SHIFTED DOWN HOLE 4 FT TO MATCH PIPE TALLY  
 TOP OF CEMENT @ 1650 FT  
 BOTTOM HOLE TEMP- 141 DEG  
 MARKER JOINT @ 5682-5692



**MAIN PASS 1500 PSI**

Database File: f:\2019 antero\pyle run\beem\_3h.db  
 Dataset Pathname: pass5.1  
 Presentation Format: antero  
 Dataset Creation: Mon Feb 04 06:35:02 2019 by Calc 7.0 B1  
 Charted by: Depth in Feet scaled 1:240

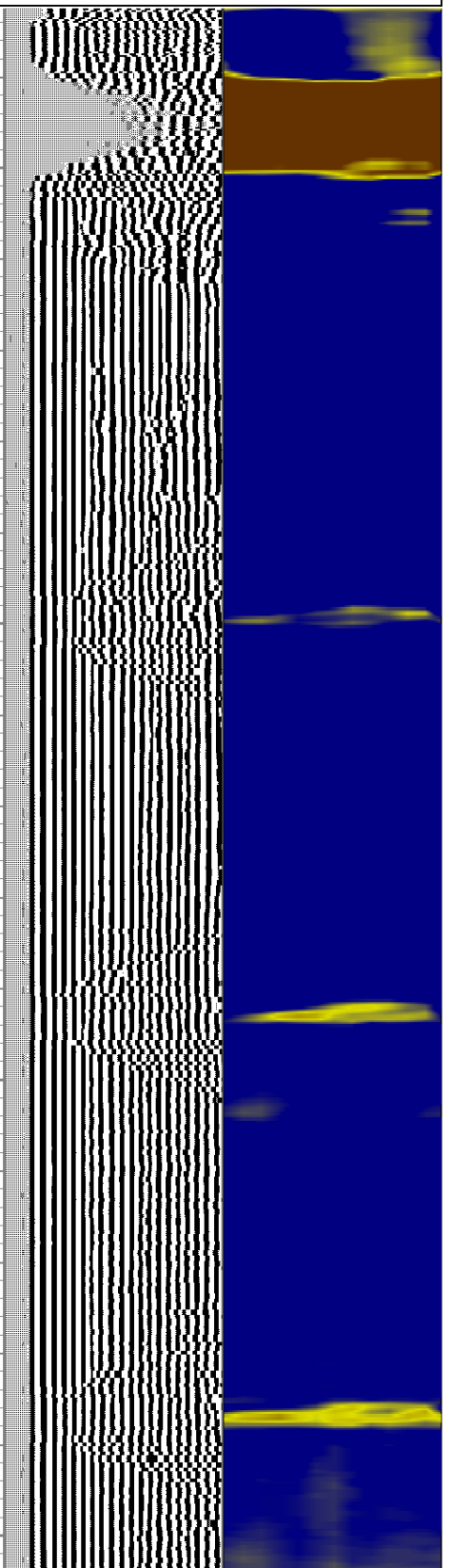
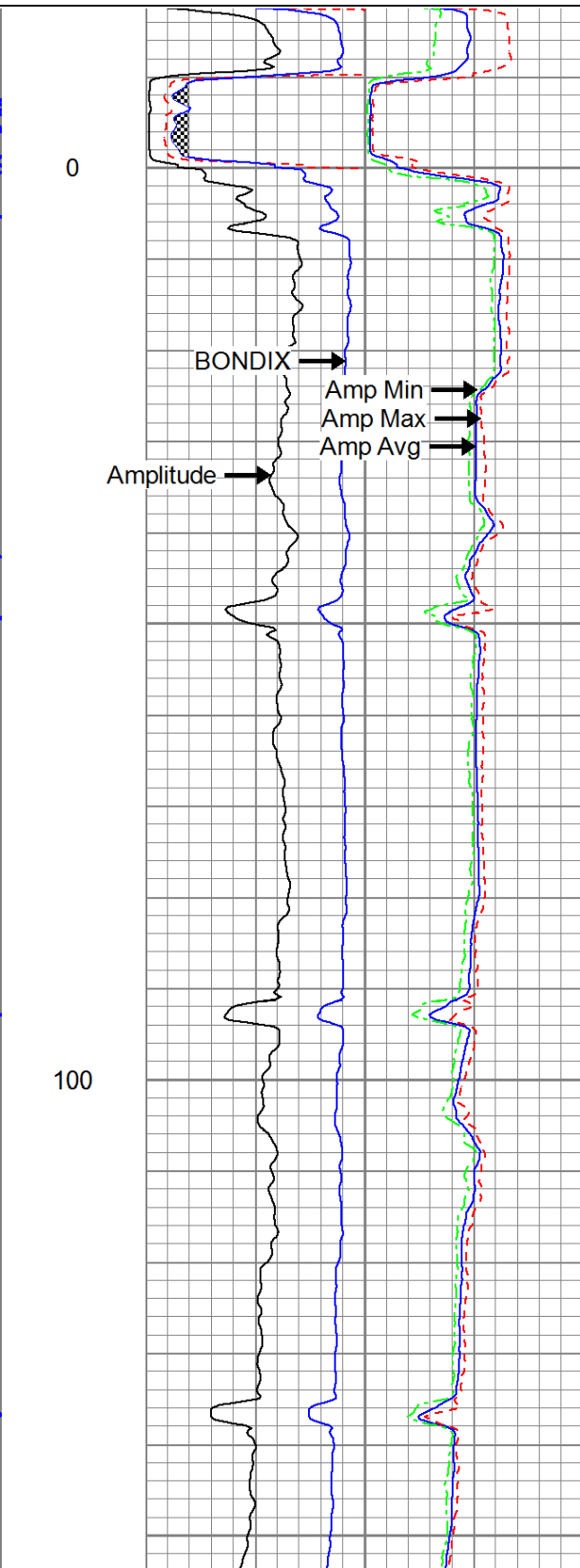
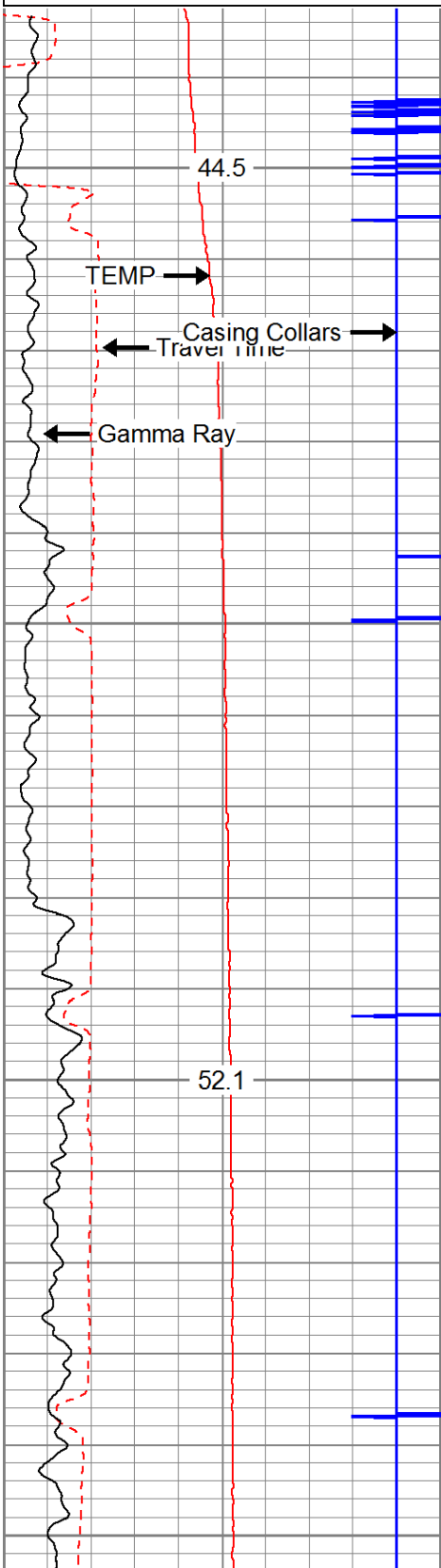
225	Travel Time (usec)	125
9	Casing Collars	-1
0	Gamma Ray	180
0	TEMP (degF)	100

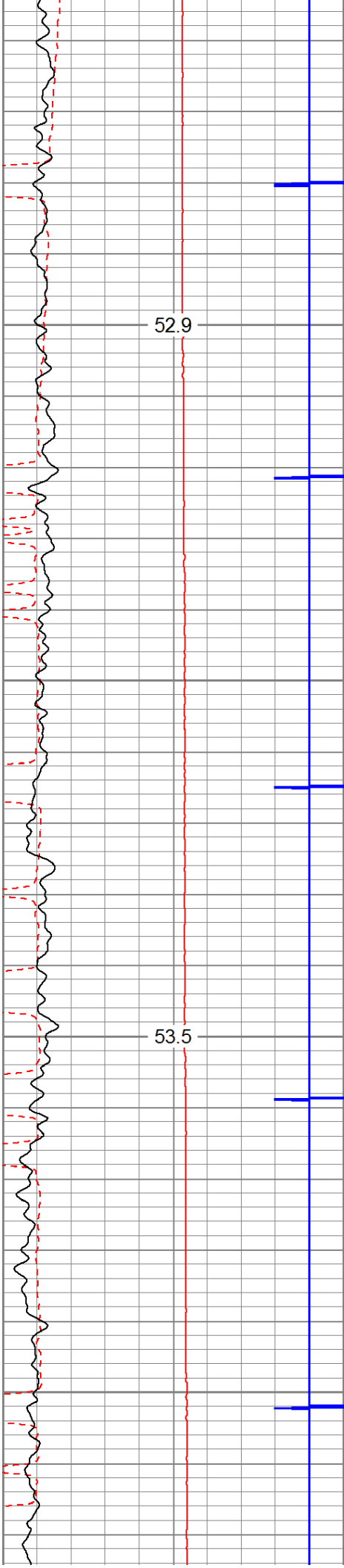
Amplitude	0	Amp Avg	150
(mV)	100	Amp Max	150
AmpX5 (mV)	20	Amp Min	150
BONDIX	0		

200	VDL	1200	1	Sector Map	12
			20		60



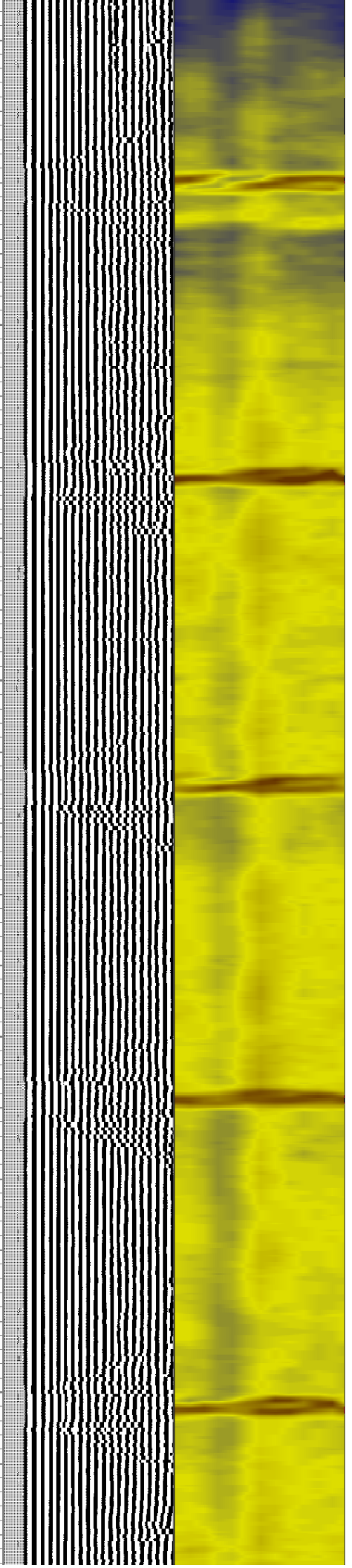
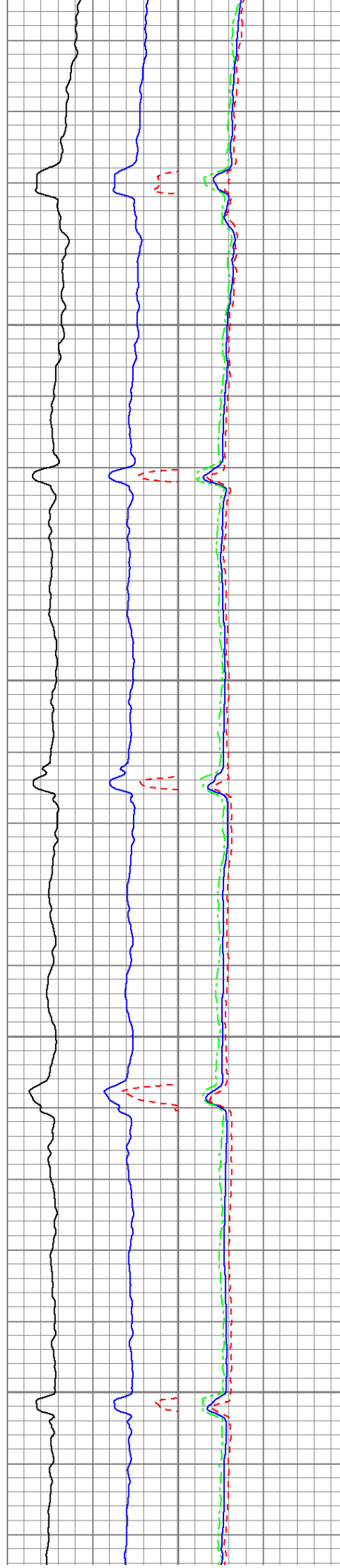
TEMP (degF)

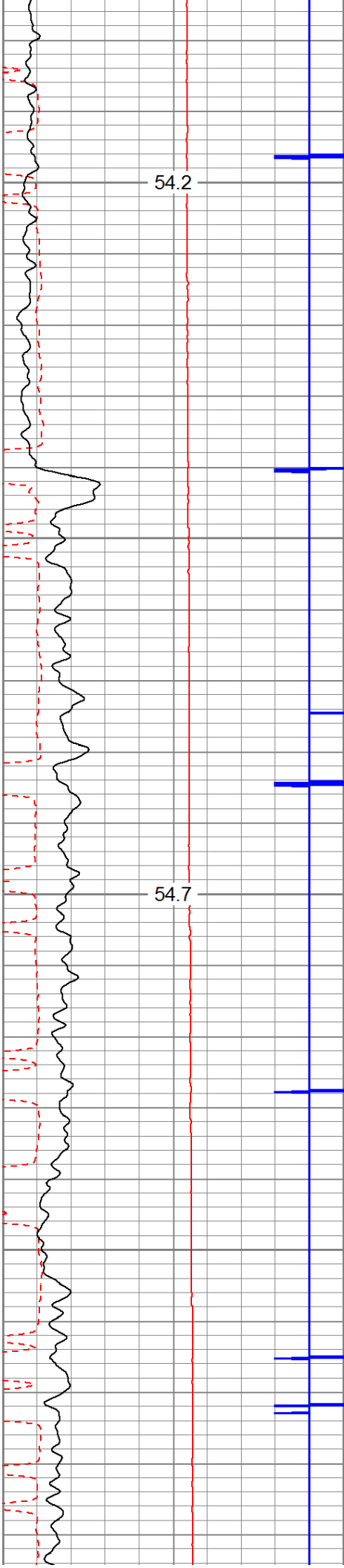




200

300





400

500

