Company	CRESTONE PEAK RESOURCES
Well	HERREN 32-33
Field	WATTENBERG
County	WELD
State	COLORADO
Country	USA

KLX Energy Services

GAMMA CCL VDL
CEMENT BOND LOG

Company	CRESTONE PEAK RESOURCES		
Well	HERREN 32-33		
Field	WATTENBERG		
County	WELD		
State	COLORADO	Country	USA

Location: API # : 05-123-20522

2180' FNL X 2148' FEL
SWNE

SEC 33 TWP 3N RGE 67W

Other Services: N/A

Permanent Datum	GL	Elevation	4821'
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4838.5
D.F. 4837.5
G.L. 4821

Date	08-OCT-2017
Run Number	ONE
Depth Driller	7890
Depth Logger	4996
Bottom Logged Interval	4996
Top Log Interval	3800
Open Hole Size	N/A
Type Fluid	WATER
Density / Viscosity	8.34 PPG
Max. Recorded Temp.	N/A
Estimated Cement Top	
Time Well Ready	1445
Time Logger on Bottom	1515
Equipment Number	25
Location	PLATTEVILLE, CO
Recorded By	B. TURNBULL
Witnessed By	R. FLORES

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8-5/8"	24#		
Prot. String				
Production String	4-1/2"	11.6#		
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 AS PER CUSTOMER REQUEST
CEMENT BOND LOG FROM 4996' - 3800'
LOGGED W/ KB 18' AND 0 PSI INDUCED SURFACE PRESSURE

THANK YOU FOR USING KLX ENERGY SERVICES

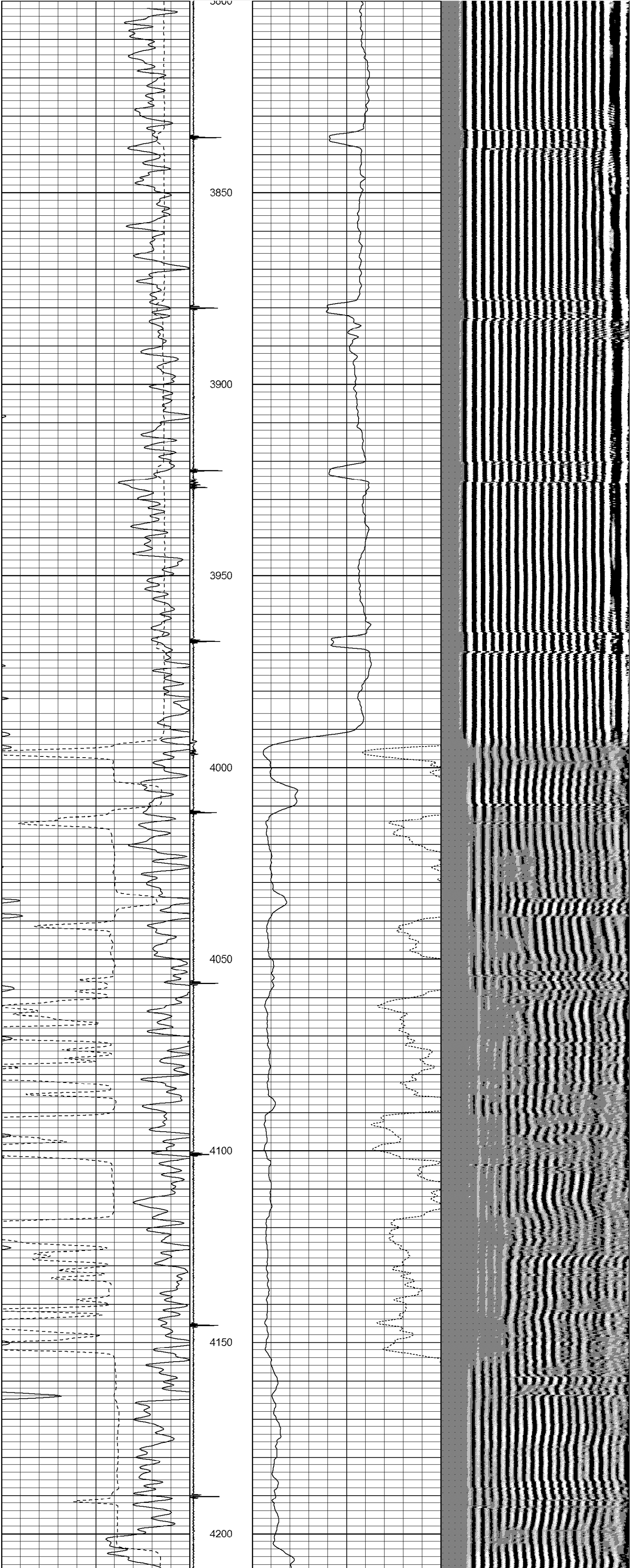
KLX Energy Services

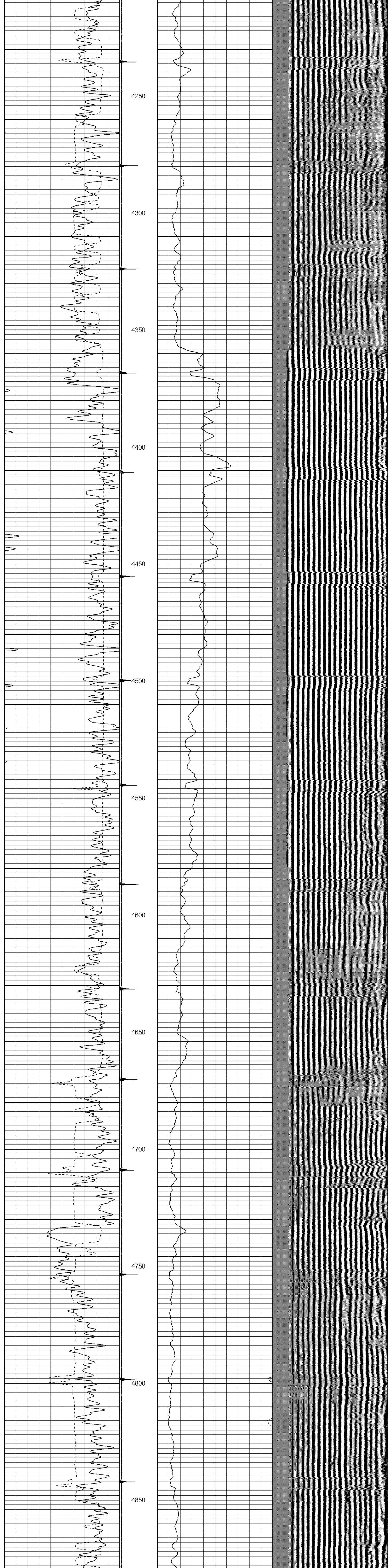
CRESTONE PEAK RESOURCES

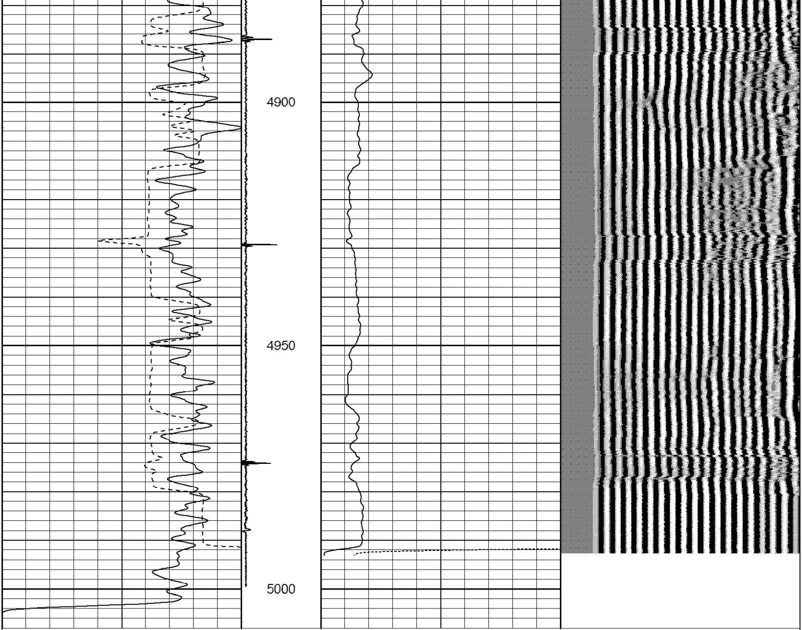
4.5" MAIN PASS

Database File:	herren10-8.db
Dataset Pathname:	pass3
Presentation Format:	cblww
Dataset Creation:	Sun Oct 08 15:32:36 2017 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240

400	Travel Time (usec)	200	Collar Locator		0	Amplified Amplitude (mV)	10	200	Variable Density	1200
0	Gamma Ray (GAPI)	150	-1	15	0	Amplitude (mV)	100			







400 Travel Time (usec) 200	Collar Locator	0 Amplified Amplitude (mV) 10	200 Variable Density 1200
0 Gamma Ray (GAPI) 150	-1 15	0 Amplitude (mV) 100	░ ▒ ▓ █

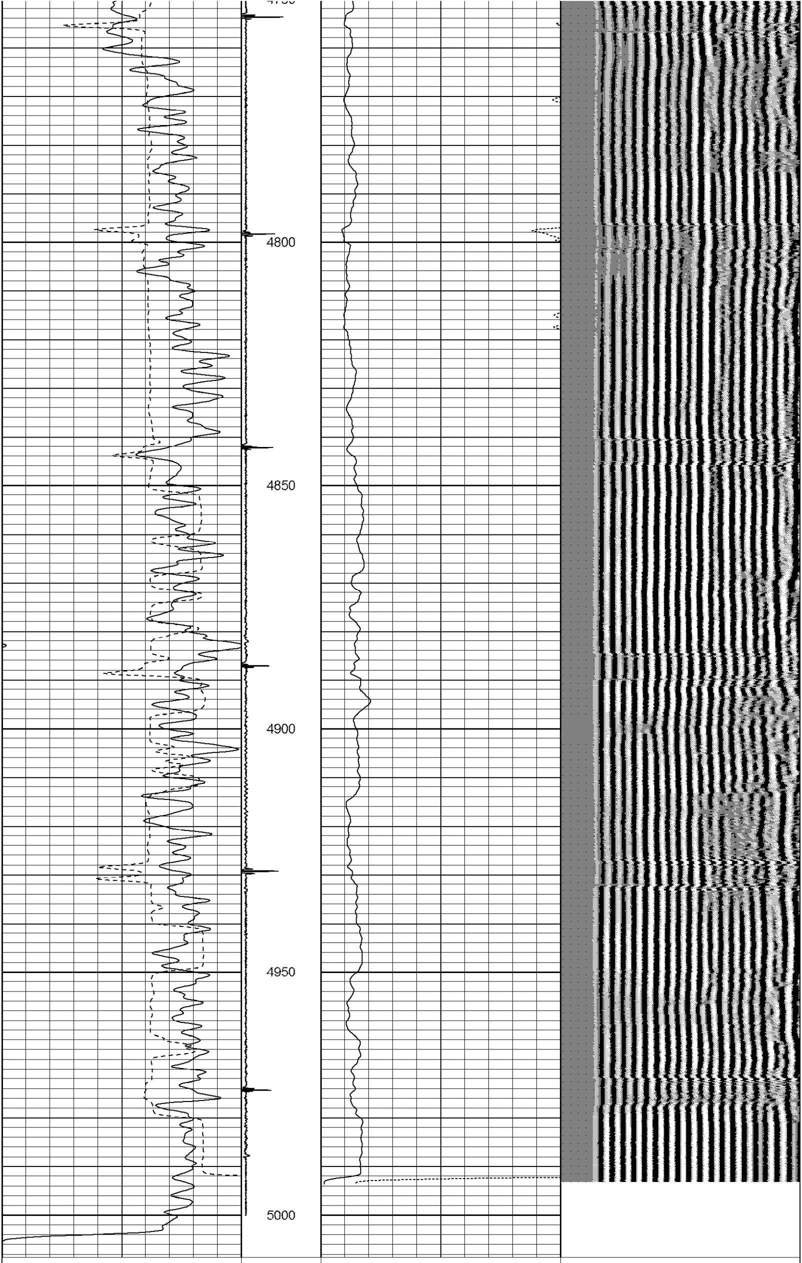
KLX Energy Services

CRESTONE PEAK RESOURCES

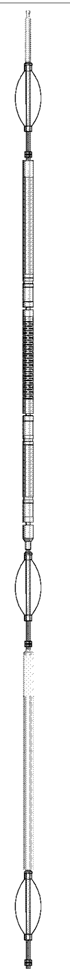
4.5" REPEAT PASS

Database File:	herren10-8.db
Dataset Pathname:	pass2
Presentation Format:	cblww
Dataset Creation:	Sun Oct 08 15:24:06 2017 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240

400 Travel Time (usec) 200	Collar Locator	0 Amplified Amplitude (mV) 10	200 Variable Density 1200
0 Gamma Ray (GAPI) 150	-1 15	0 Amplitude (mV) 100	░ ▒ ▓ █



400 Travel Time (usec) 200	Collar Locator	0 Amplified Amplitude (mV) 10	200 Variable Density 1200
0 Gamma Ray (GAPI) 150	-1 15	0 Amplitude (mV) 100	░ ▒ ▓ █

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1.4375 Titan 1 7/16 Cablehead	1.50	1.44	2.00
			PTS275	2.83	2.75	
WVF3 WVF5	16.27 15.28		CBL-Digital HT (Probe 275 CBL) (080839) Probe 275 CBL HT	11.28	2.75	130.00
			PTS275	2.83	2.75	
CCL GR	8.28 4.25		GR-Probe275dig (080829) Probe 2.75 High Temperature	6.36	2.75	57.00
			PTS275	2.83	2.75	

Dataset:	herren10-8.db: field/well/run1/pass3
Total Length:	27.64 ft
Total Weight:	189.00 lb
O.D.	2.75 in