Company	EXTRACTION OIL AND GAS LLC
Well	TURNER 44-10
Field	WATTENBERG
County	WELD
State	COLORADO

GAMMA RAY CCL CEMENT BOND VDL

Company	EXTRACTION OIL AND GAS LLC		
Well	TURNER 44-10		
Field	WATTENBERG		
County	WELD	State	COLORADO
Location:	API #: 05-123-21413 SE/SE SEC 10 TWP 5N RGE 65W	Other Services	
Permanent Datum	GL	Elevation 4637	Elevation K.B. 4647 D.F. G.L. 4637
Log Measured From	KB		
Drilling Measured From	KB		

Date	OCTOBER 19, 2018
Run Number	ONE
Depth Driller	7153
Depth Logger	4000
Bottom Logged Interval	4000
Top Log Interval	SURFACE
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	
Time Well Ready	ROA
Time Logger on Bottom	10:30
Equipment Number	200099
Location	FORT LUPTON
Recorded By	GREG NOLAN
Witnessed By	CRAIG EAST

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#	SURFACE	412
Prot. String				
Production String	4-1/2	11.6#	SURFACE	7153
Liner				

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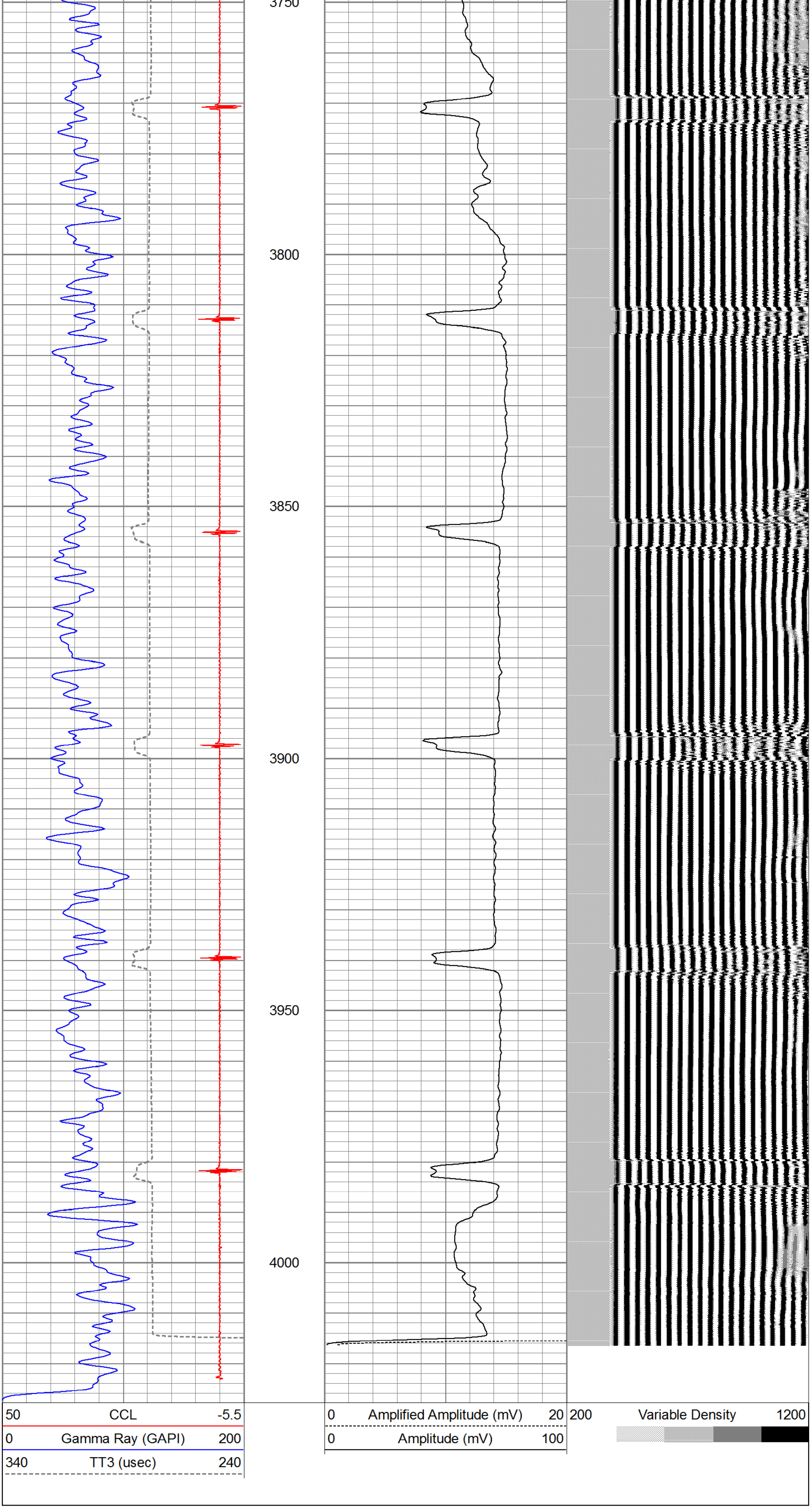
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

THANK YOU FOR CHOOSING CHS!!!!
LOG CORRELATED TO NUEX WIRELINE GAMMA RAY CCL, CEMENT BOND VDL LOG DATED 5-12-03

Database File:	cbl extraction turner 44-10.db
Dataset Pathname:	pass2
Presentation Format:	sec 3-5
Dataset Creation:	Fri Oct 19 11:03:23 2018 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240



Calibration Report

Database File:	cbl extraction turner 44-10.db
Dataset Pathname:	pass2
Dataset Creation:	Fri Oct 19 11:03:23 2018 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 110785

SHOP CALIBRATION Tue Mar 27 07:56:41 2018

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.6500			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:	4.500	in
Calibration Depth:	874.392	ft

Master Calibration, performed Fri Oct 19 10:54:31 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	1.005	1.500	81.196	79.914	0.918
CAL	0.007	0.460				
5'	0.007	0.892	1.500	81.196	90.021	0.857
SUM						
S1	0.007	0.941	0.000	81.196	86.919	-0.613
S2	0.007	0.985	0.000	81.196	83.074	-0.600
S3	0.007	1.046	0.000	81.196	78.118	-0.554
S4	0.007	1.091	0.000	81.196	74.939	-0.550
S5	0.007	1.097	0.000	81.196	74.484	-0.540
S6	0.007	1.058	0.000	81.196	77.243	-0.557
S7	0.007	0.966	0.000	81.196	84.679	-0.608
S8	0.007	0.934	0.000	81.196	87.559	-0.623

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	0.007	0.460	1.000	0.000

Air Zero Calibration, performed Fri Oct 19 10:50:38 2018:

	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