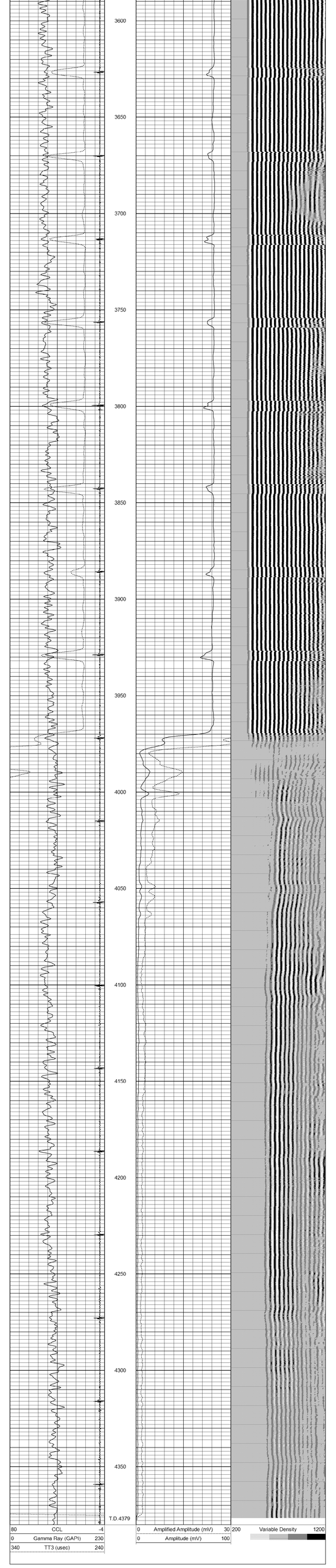

NABORS
COMPLETION & PRODUCTION SERVICES CO.

CEMENT BOND / VDL
GAMMA RAY / CCL

Company	K.P.KAUFFMAN
Well	1415 CORPORATION UNIT F WELL #
Field	WATTENBERG
County	WELE
State	COLORADO

Company K.P.KAUFFMAN
Well 1415 CORPORATION UNIT F WELL #
Field WATTENBERG
County WELE State COLORADO
Location: API #: 05-123-09014
NW/NE
SEC TWP 2N RGE 67W
Other Services
Permanent Datum GROUN LEVEL Elevation 4864
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING
Elevation
K.B.
D.F.
G.L. 4864

Date	12-4-14
Run Number	ONE
Depth Driller	
Depth Logger	
Bottom Logged Interval	4360
Top Log Interval	SURFACE
Casing Size	4 1/2"
Type Fluid	WATER
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger On Bottom	
Unit Number	92-0438
Tool Size / ID Number	2 3/4"PROBE
Location	FT.LUPTON
Recorded By	BRACKELSBERG
Witnessed By	MR. RAMOS

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				
Liner				

<<< Fold Here >>>

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
NABORS COMPLETION AND PRODUCTION SERVICES CO.
NOTE: LOG NOT CORROLATED

Calibration Report

Database File: cbl1415corp#1.db
Dataset Pathname: pass5
Dataset Creation: Thu Dec 04 12:29:25 2014 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101010

SHOP CALIBRATION	Counts/Sec.	Gain	Offset	Jig	Units
		Wed Feb 27 07:52:48 2013			
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

Cement Bond Log Calibration Report

Serial Number: 110802
Tool Model: Probe275Digital
Performed: Thu Dec 04 12:20:26 2014

Depth: 3813.47 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	0.9	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.0140381	0.0139893	V
Reading in Free Pipe:	2.43091	2.38821	V
Gain:	33.2232	34.1991	
Offset:	0.43361	-0.47842	

Database File: cbl1415corp#1.db
Dataset Pathname: pass5
Presentation Format: noble en
Dataset Creation: Thu Dec 04 12:29:25 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300
4350
T.D.4379
80 CCL -4
0 Gamma Ray (GAPI) 230
340 TT3 (usec) 240
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 Variable Density 1200