SUPERIOR WELL SERVICES

GAMMA RAY CCL CEMENT BOND VDL

Company	NOBLE ENERGY INC.
Well	DF RANCH 1161-9-24
Field	WATTENBERG
County	WELD
State	COLORADO

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County WELD State COLORADO

Location: API #: 0512331009
1980' FNL & 1980' FWL
LAT: 40.93804 DEG.
LONG: -104.21278 DEG.
SEC 9 TWP 11N RGE 61W

Other Services

Permanent Datum	GL	Elevation 5265	Elevation K.B. 5276 D.F. 5276 G.L. 5265
Log Measured From	KB		
Drilling Measured From	KB		

Date	JUNE 21, 2010
Run Number	ONE
Depth Driller	7940
Depth Logger	7887
Bottom Logged Interval	7886
Top Log Interval	SURFACE
Open Hole Size	7-7/8
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	256 DEG. F
Estimated Cement Top	154
Time Well Ready	PORTABLE MAST
Time Logger on Bottom	1-11/16 GO TOOL
Equipment Number	3342
Location	45
Recorded By	GREG NOLAN
Witnessed By	ARNOLD SMITH

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	12.2	1063
Prot. String				
Production String	5-1/2	17	12	7920.6
Liner				

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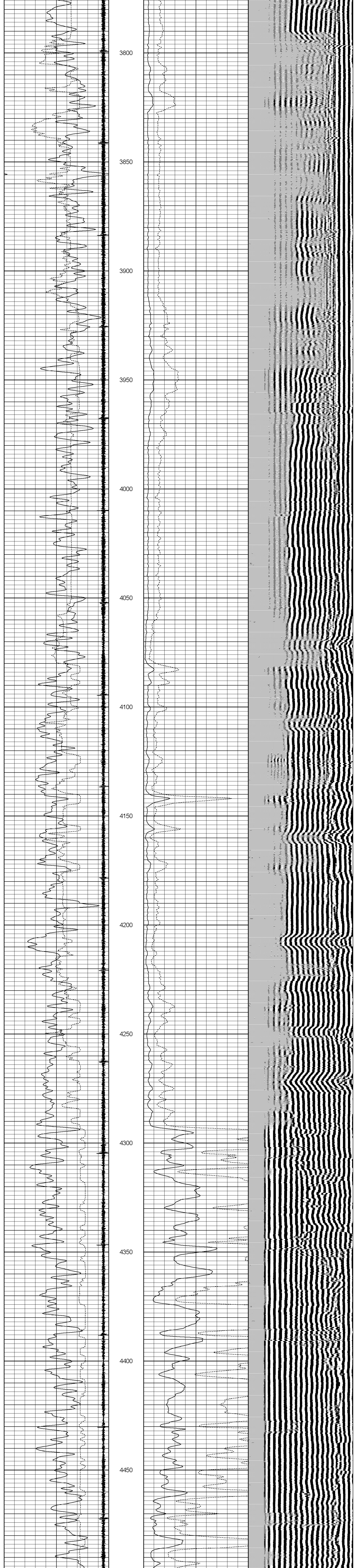
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

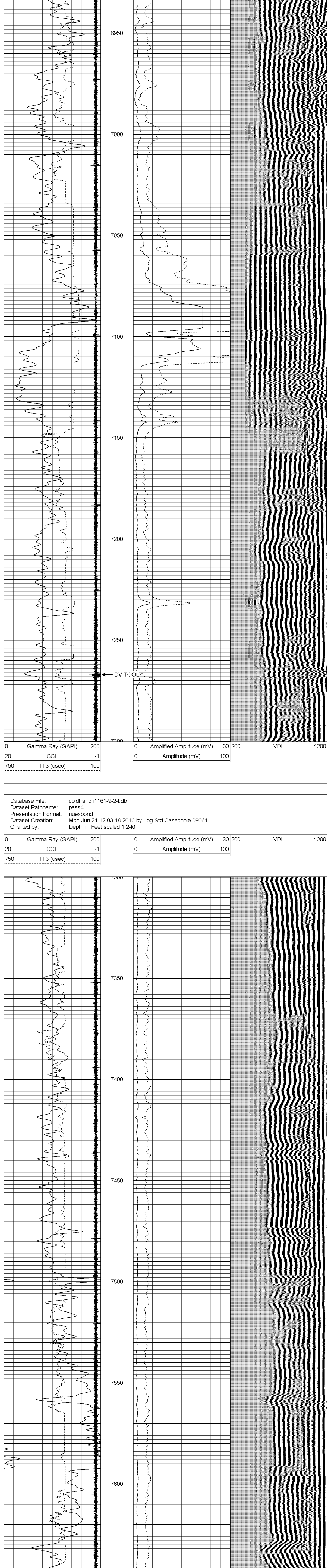
THANK YOU FOR CHOOSING SUPERIOR WELL SERVICES!!!
LOG CORRELATED TO HALLIBURTON OPEN HOLE LOG DATED 22-APR-10
DV TOOL @7267, 122 & 89, N4.5, E.4, N INTO

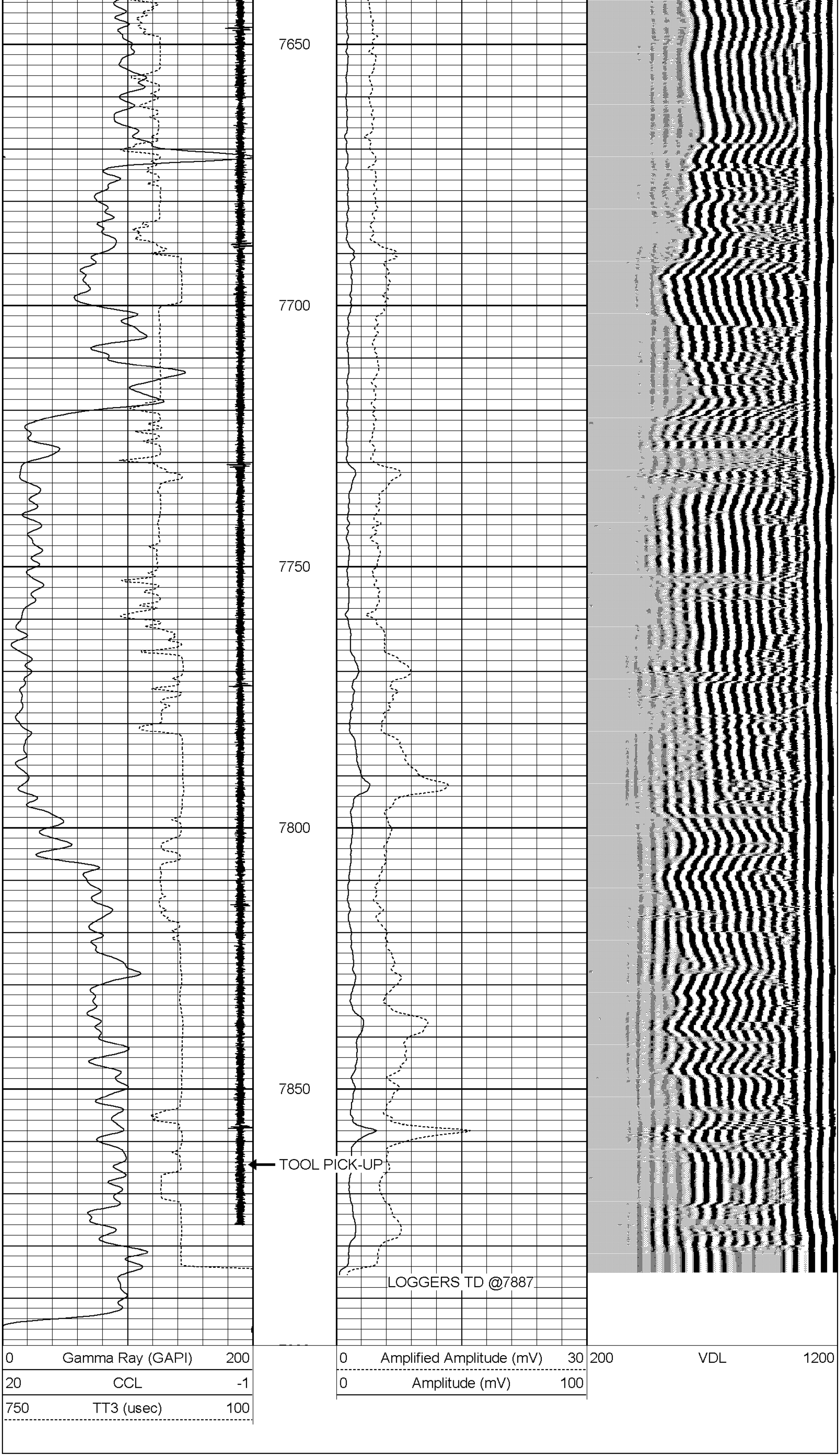
Database File:	cbldfranch1161-9-24.db
Dataset Pathname:	pass6
Presentation Format:	nuexbond
Dataset Creation:	Mon Jun 21 12:31:09 2010 by Log Std Casedhole 09061
Charted by:	Depth in Feet scaled 1:240



Database File: cbldfranch1161-9-24.db
Dataset Pathname: pass5
Presentation Format: nuexbond
Dataset Creation: Mon Jun 21 12:09:37 2010 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240

Database File: cbldfranch1161-9-24.db
Dataset Pathname: pass4
Presentation Format: nuexbond
Dataset Creation: Mon Jun 21 12:03:18 2010 by Log Std Casedhole 09061
Charted by: Depth in Feet scaled 1:240




7650
7700
7750
7800
7850
TOOL PICK-UP
LOGGERS TD @7887
0 Gamma Ray (GAPI) 200
20 CCL -1
750 TT3 (usec) 100
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 VDL 1200