Company	NOBLE ENERGY INC.
Well	WELLS RANCH AF 07-02
Field	WATTENBERG
County	WELD
State	COLORADO

J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company NOBLE ENERGY INC.
Well WELLS RANCH AF 07-02
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-31618-00
795' FNL & 1890' FEL
NW NE
SEC. 7 TWP. 5N RGE. 62W
SEC TWP RGE

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4642
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4656
D.F. 4655
G.L. 4642

Date	29-OCTOBER-2010
Run Number	ONE
Depth Driller	6695
Depth Logger	6589
Bottom Logged Interval	6582
Top Log Interval	1600
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	225
Estimated Cement Top	1770
Time Well Ready	--
Time Logger on Bottom	--
Equipment Number	3011/YELLOW
Location	BRIGHTON
Recorded By	HAYES
Witnessed By	MR. MITCH TRIMBLE

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	556
Prot. String				
Production String	4.5	11.6#	SURFACE	6683
Liner				

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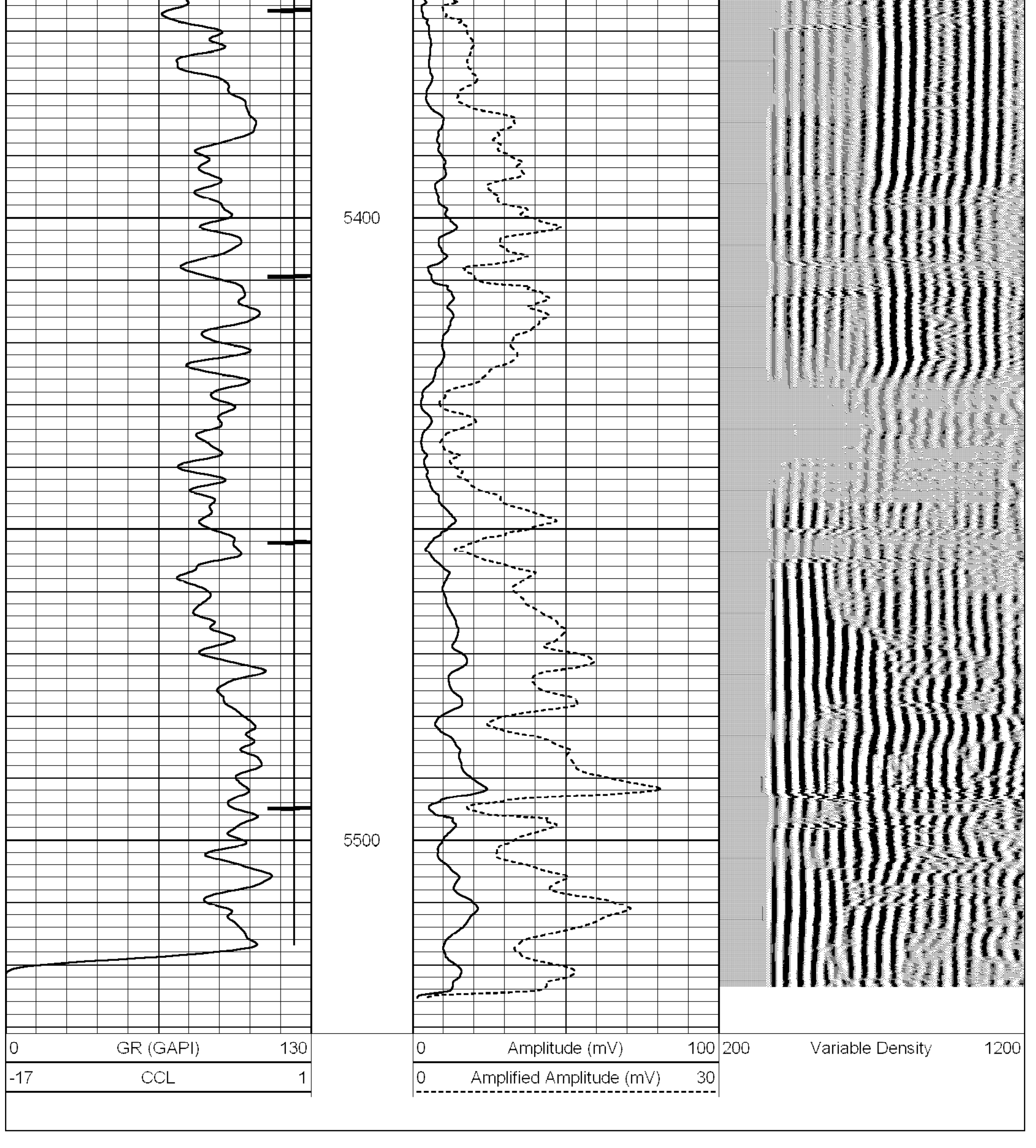
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 CORRELATED TO CD, CN, ML LOG
DATED 18-OCTOBER-2010

LOG SPLIT FOR CORRELATION PURPOSES

Database File:	wells ranch af 07-02.db
Dataset Pathname:	pass2
Presentation Format:	cblx
Dataset Creation:	Fri Oct 29 10:03:28 2010 by Log Std Casedhole 08121
Charted by:	Depth in Feet scaled 1:240



Database File: wells ranch af 07-02.db
Dataset Pathname: pass1
Presentation Format: cblx
Dataset Creation: Fri Oct 29 09:47:03 2010 by Log Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240