J-W WIRELINE COMPANY

GAMMA RAY - C.C.L.
CEMENT BOND-V.D.L.

Company NOBLE ENERGY INC.
Well HECKENDORF #02
Field
County ADAMS
State COLORADO

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Location: API # : 05001066710000

990'FSL &990'FWL
SWSW

SEC 14 TWP 1S RGE 66W

Other Services

Permanent Datum	G.L.	Elevation	5054
Log Measured From	K.B.		
Drilling Measured From	K.B.		

Elevation
K.B. 5064
D.F. 5063
G.L. 5054

Date	JULY-11-2013		
Run Number	ONE		
Depth Driller	8125		
Depth Logger	N/A		
Bottom Logged Interval	7560	500	
Top Log Interval	6240	-0-	
Open Hole Size			
Type Fluid			
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	2337		
Location	STERLING		
Recorded By	GARDNER		
Witnessed By	KELLY REINHARDT		

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	4 1/2			
Liner				

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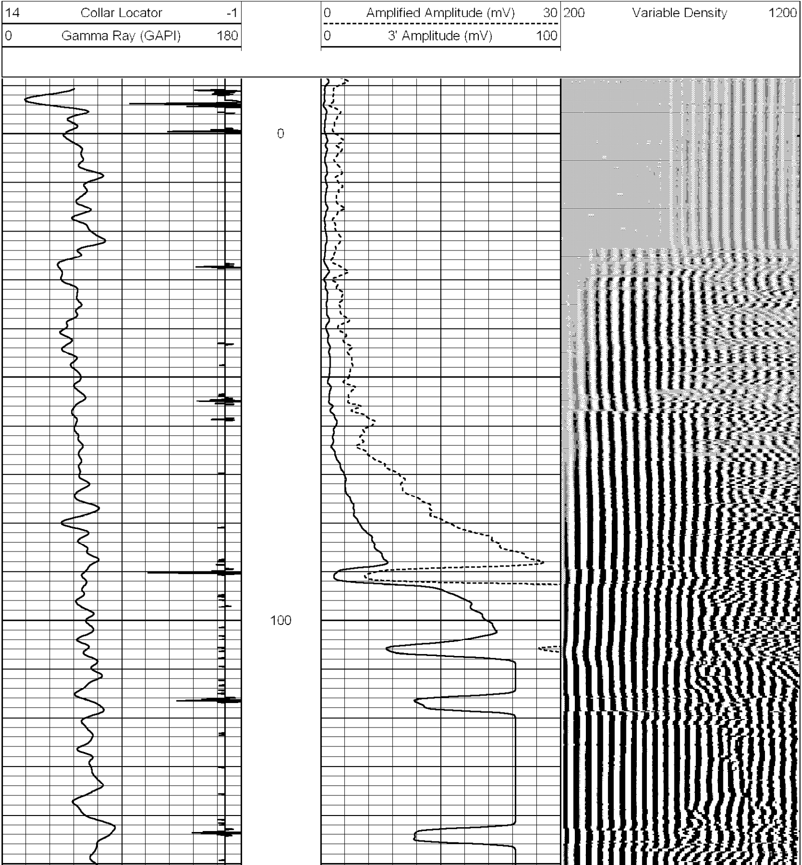
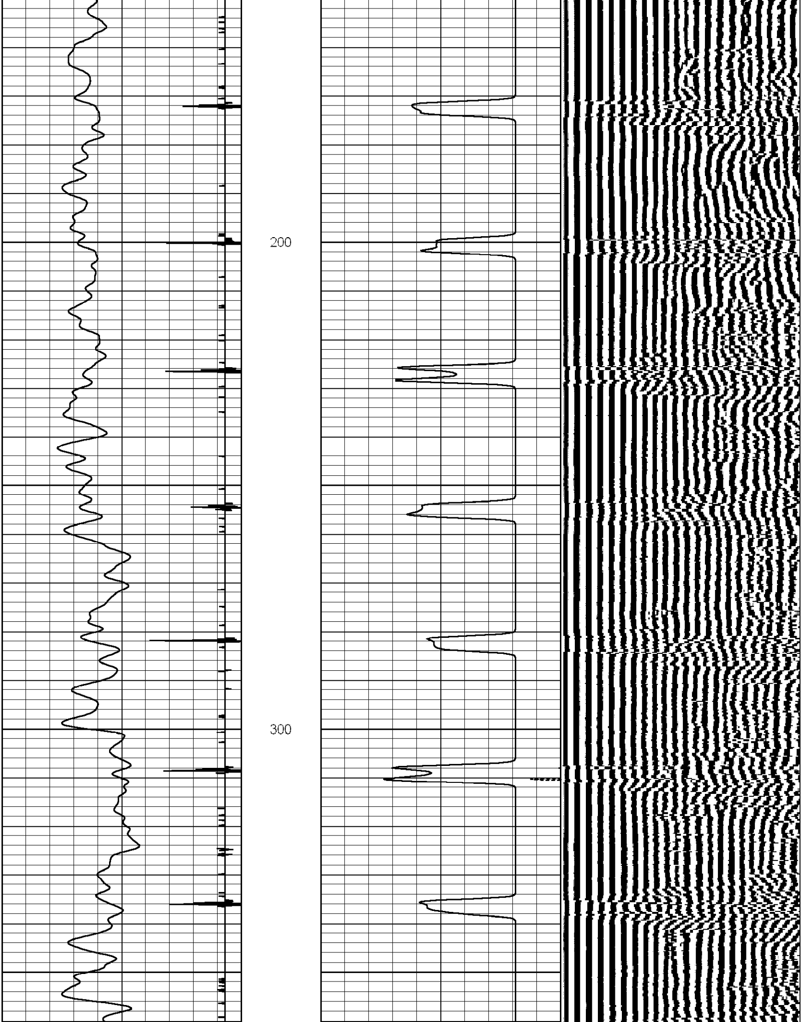
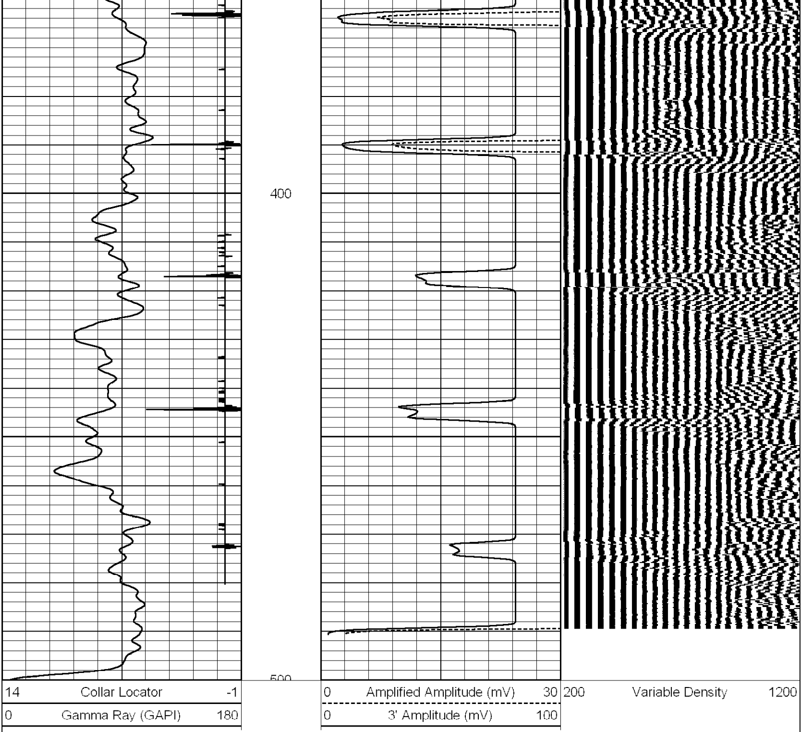
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

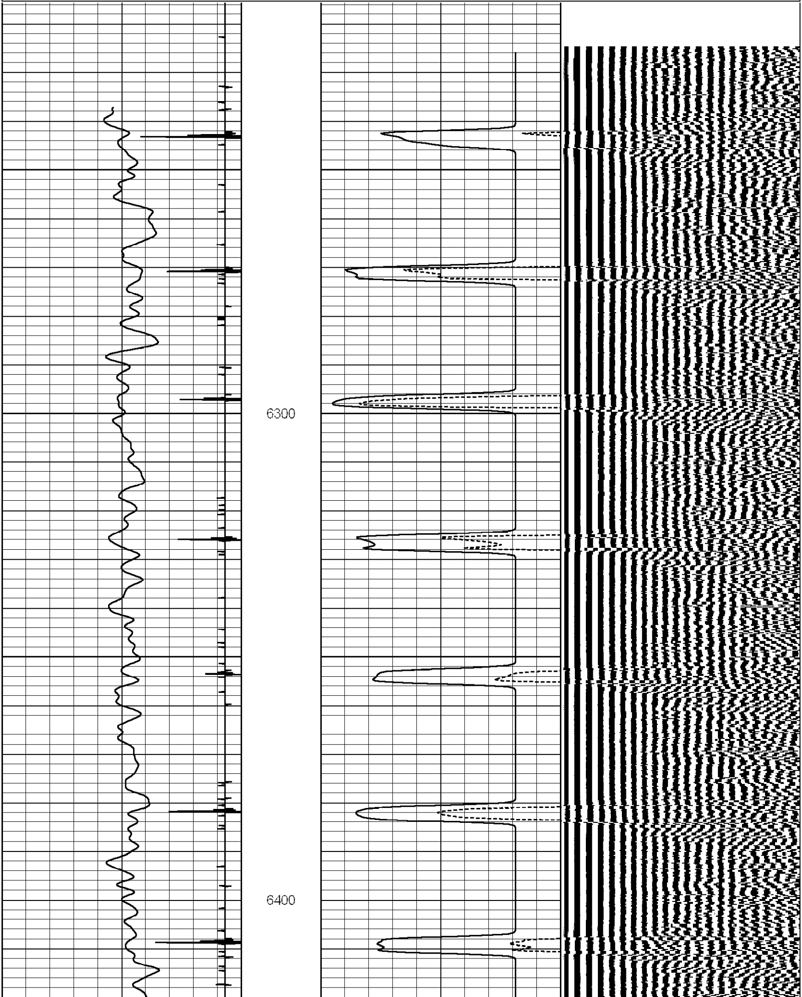
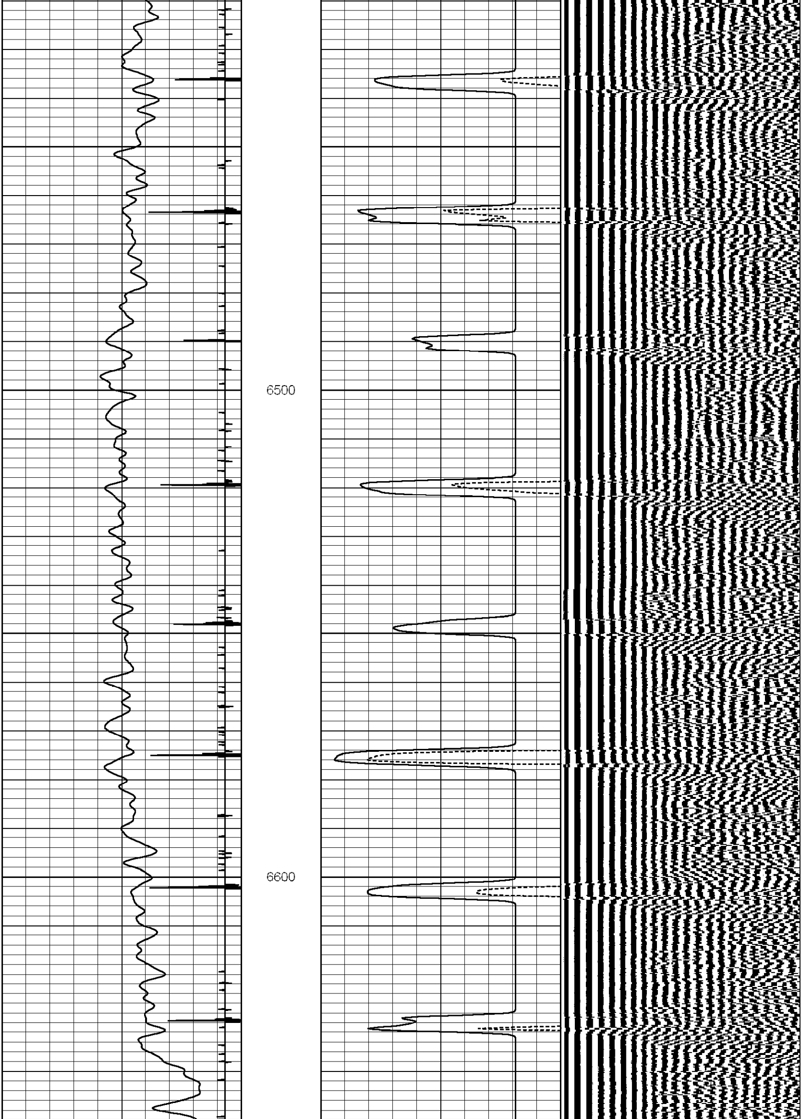
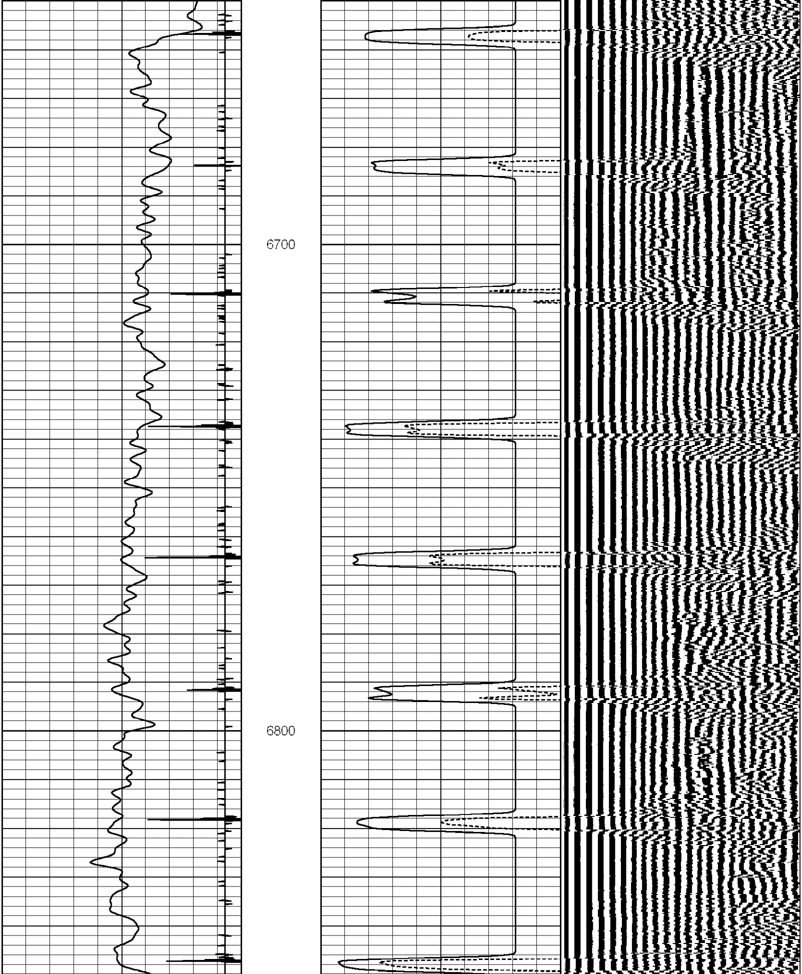
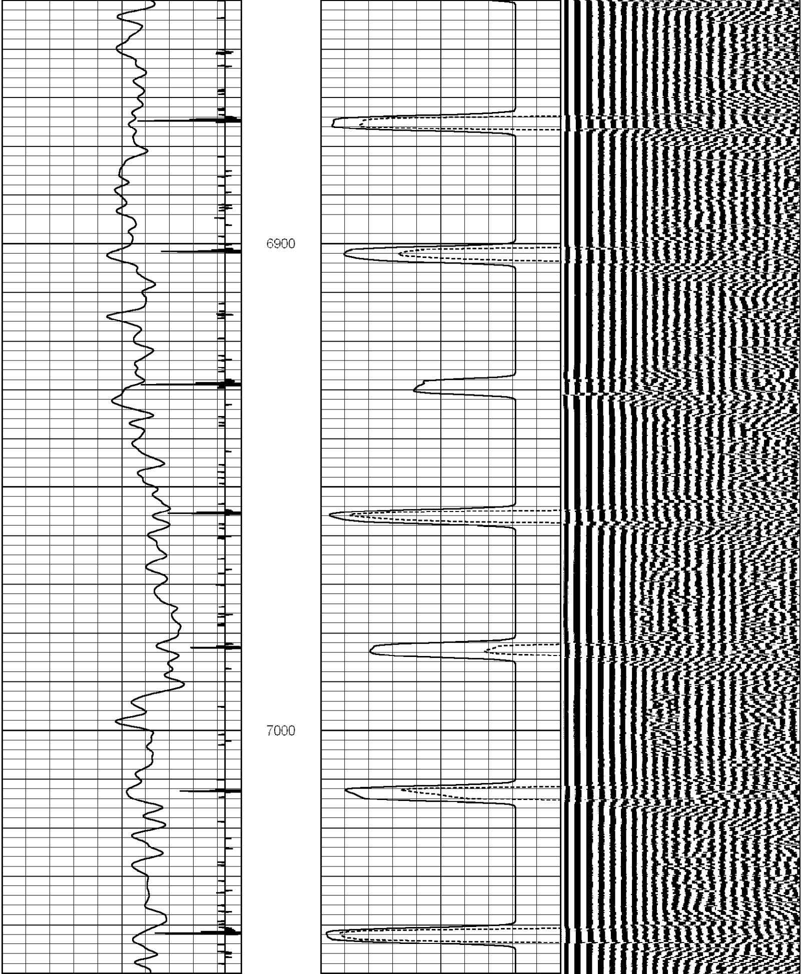
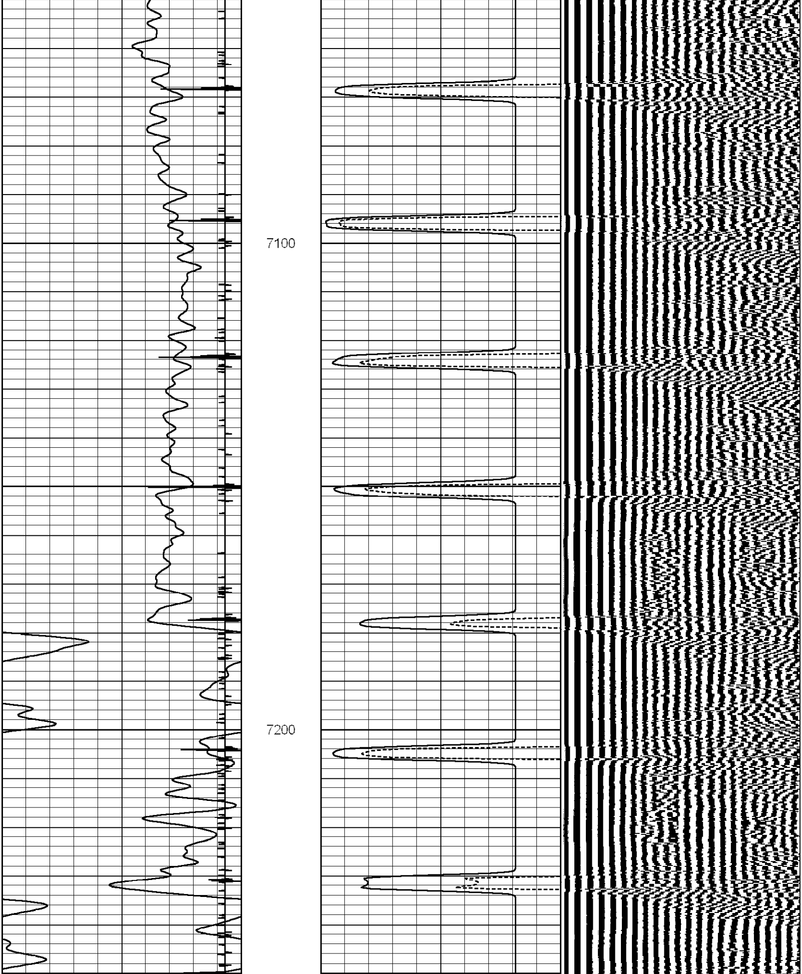
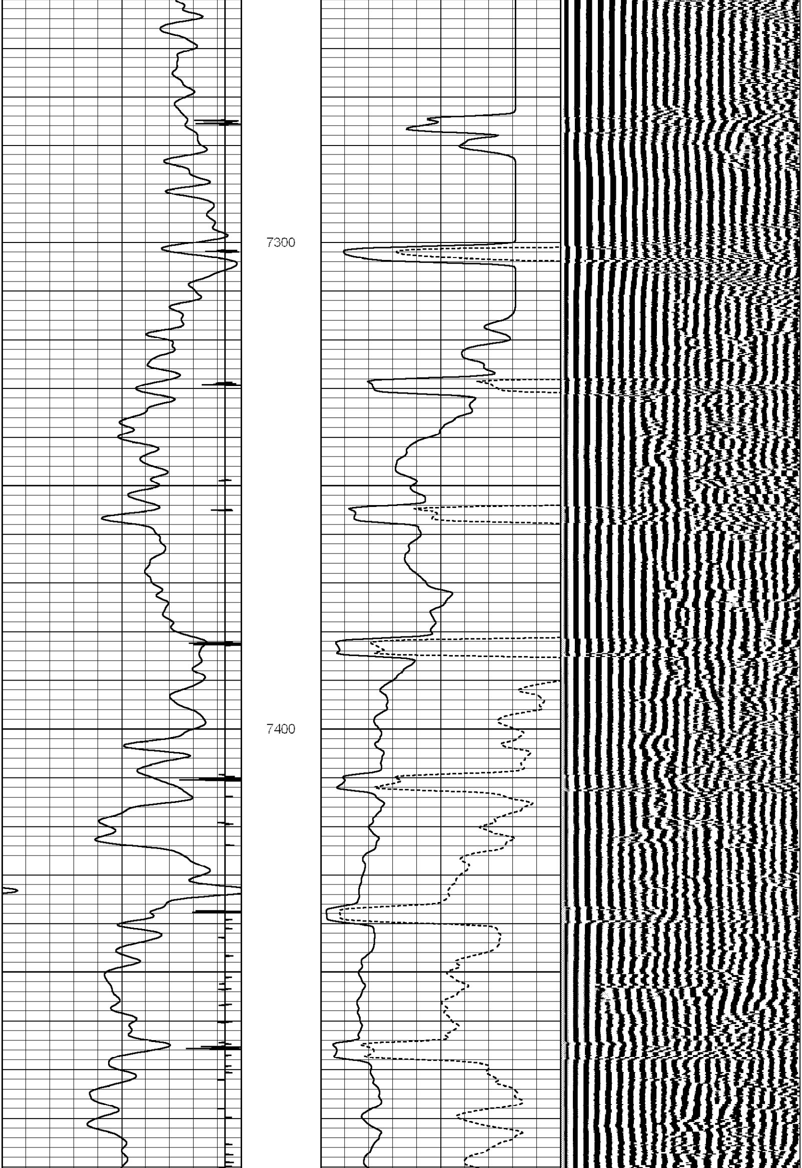
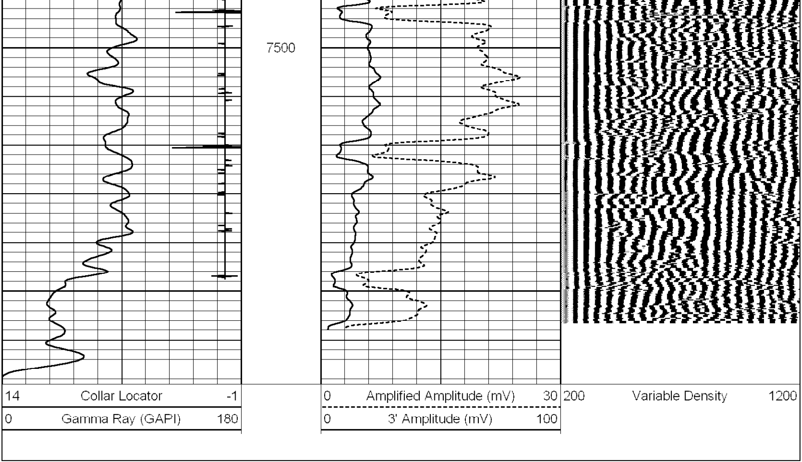
Database File: dorf#2.db
Dataset Pathname: pass6
Presentation Format: scbl_dr
Dataset Creation: Mon Jul 15 08:34:00 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240







Database File: dorf#2.db
Dataset Pathname: merge1
Presentation Format: scbl_dr
Dataset Creation: Mon Jul 15 08:43:39 2013
Charted by: Depth in Feet scaled 1:240

14	Collar Locator	-1	0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Gamma Ray (GAPI)	180	0	3' Amplitude (mV)	100