SUPERIOR
WELL SERVICES

CEMENT BOND LOG
GAMMA RAY C C L
V D L

Company	Noble Energy INC.
Well	GULLEY 17-25
Field	Wattenberg
County	Weld
State	Colorado

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Location: API # : 051232929900

1276' FNL & 1058' FWL
SE NW

SEC 17 TWP 6N RGE 64W

Other Services

Permanent Datum	GL	Elevation	4735
Log Measured From	KB 13'		
Drilling Measured From	KB		

Elevation
K.B. 4749
D.F. 4748
G.L. 4735

Date	December 23, 2010		
Run Number	One		
Depth Driller	7151		
Depth Logger	7051		
Bottom Logged Interval	7050		
Top Log Interval	1640		
Casing Size	4 1/2"		
Type Fluid	Water		
Max. Recorded Temp.			
Estimated Cement Top	1830		
Time Well Ready	Mast Truck		
Time Logger On Bottom	AM		
Unit Number	3344		
Tool Size / ID Number	1 11/16" Tool 1 RED		
Location	Platteville, CO		
Recorded By	K. Monaghan		
Witnessed By	M. 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 lb/ft J-55	Surface	798
Prot. String				
Production String	4 1/2"	11.6 lb/ft M-80	Surface	7140
Liner				

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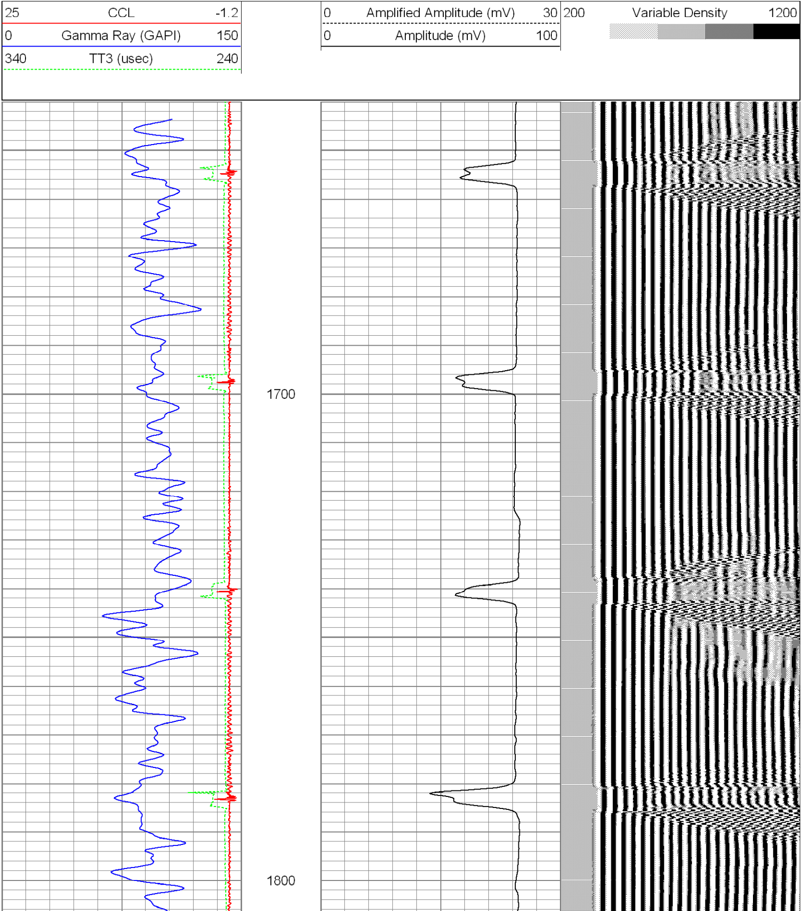
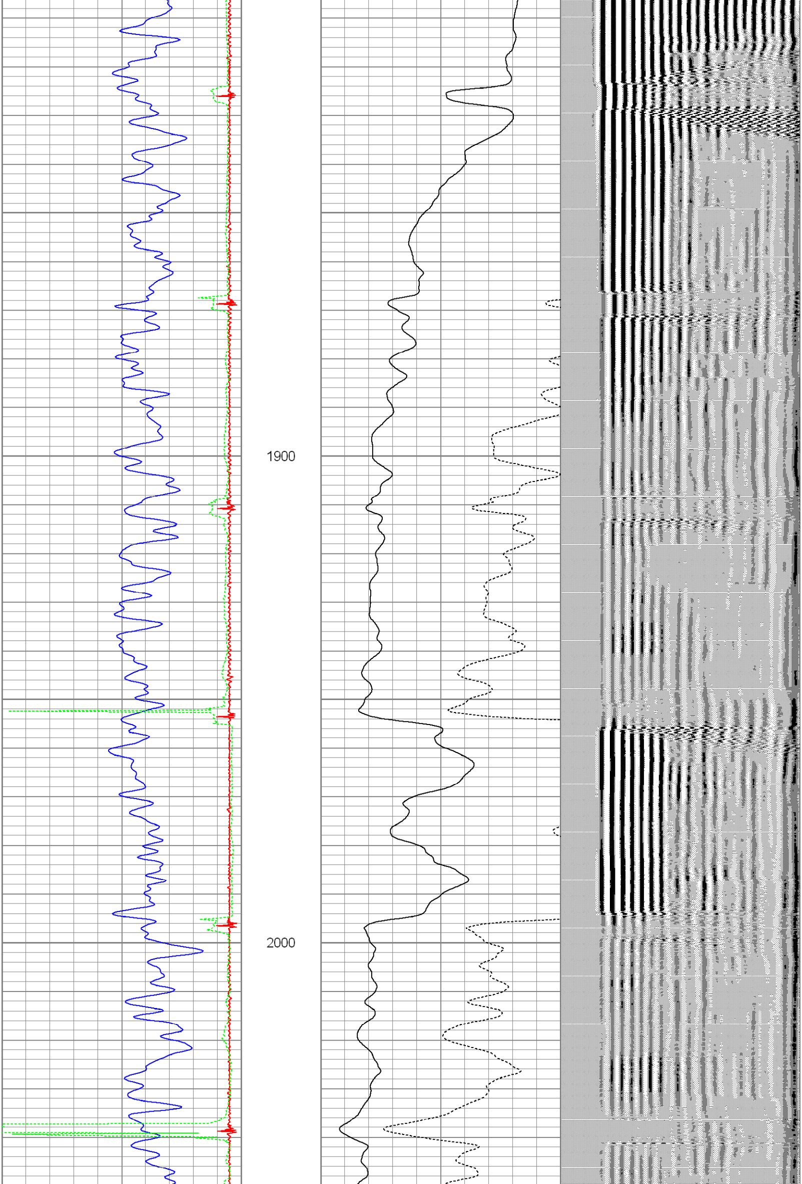
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

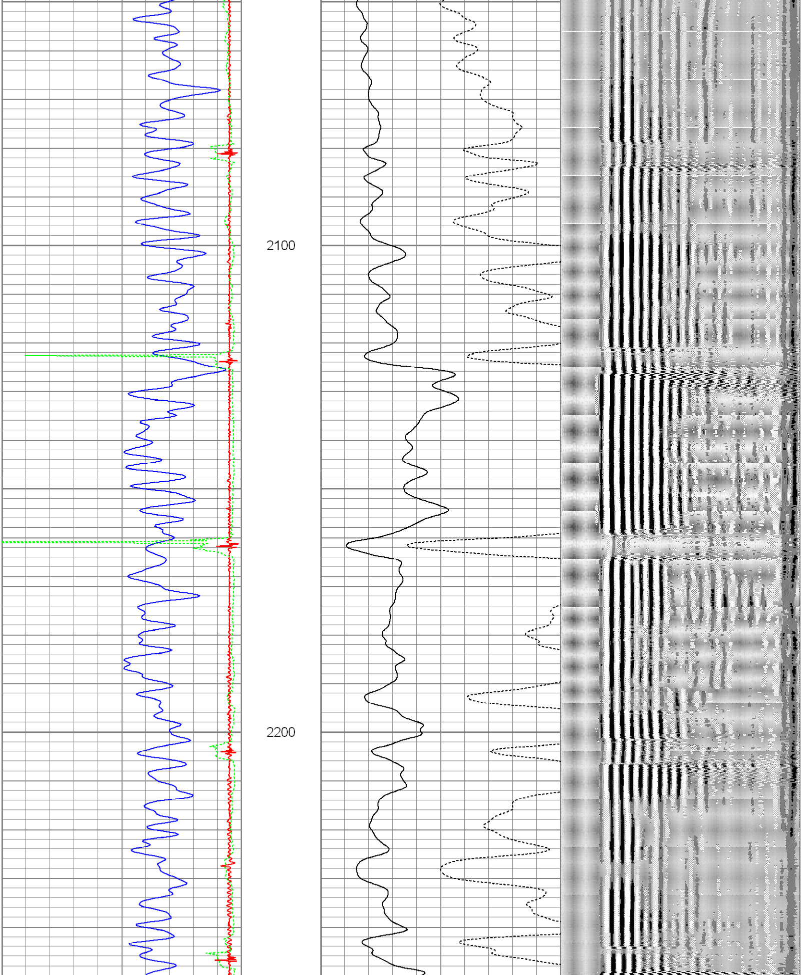
Comments

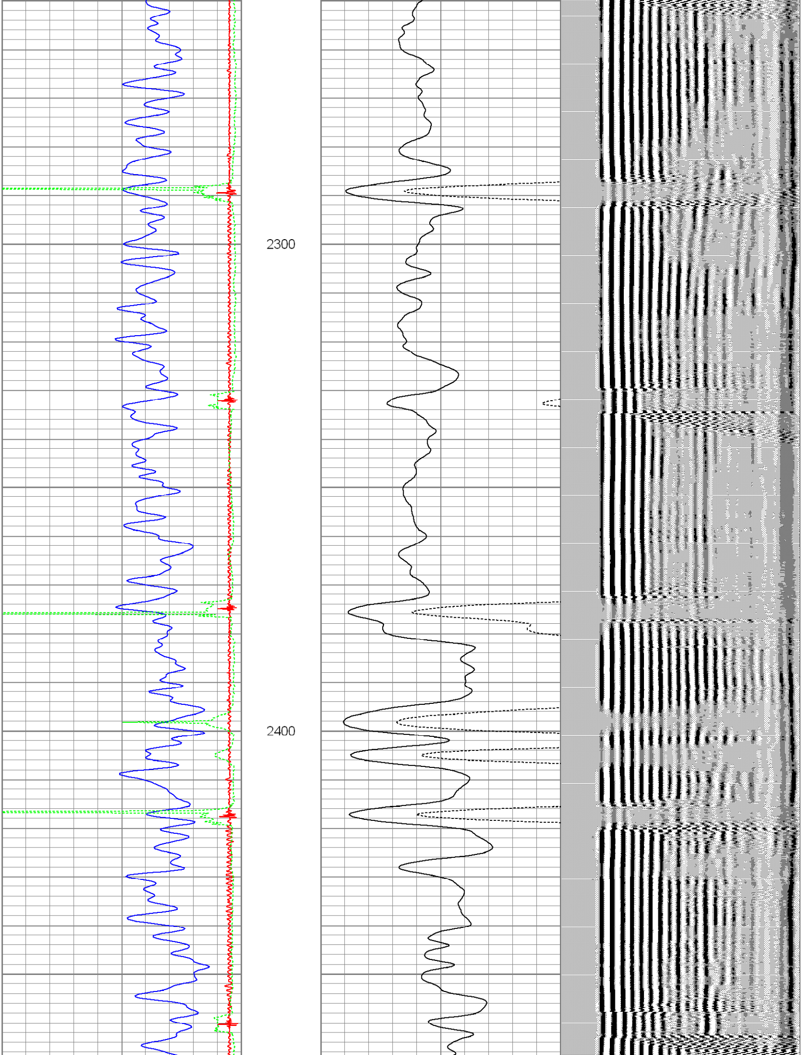
Thank You For Choosing Superior Well Services!!!
API# 05-123-29299-00
Correlated to PSI's
Compensated Density / Compensated Neutron / Gamma Ray Microlog
Dated: December 10, 2010
Directions: 392 & 51, N 1/2, E 1/10, NE 2/10 Into

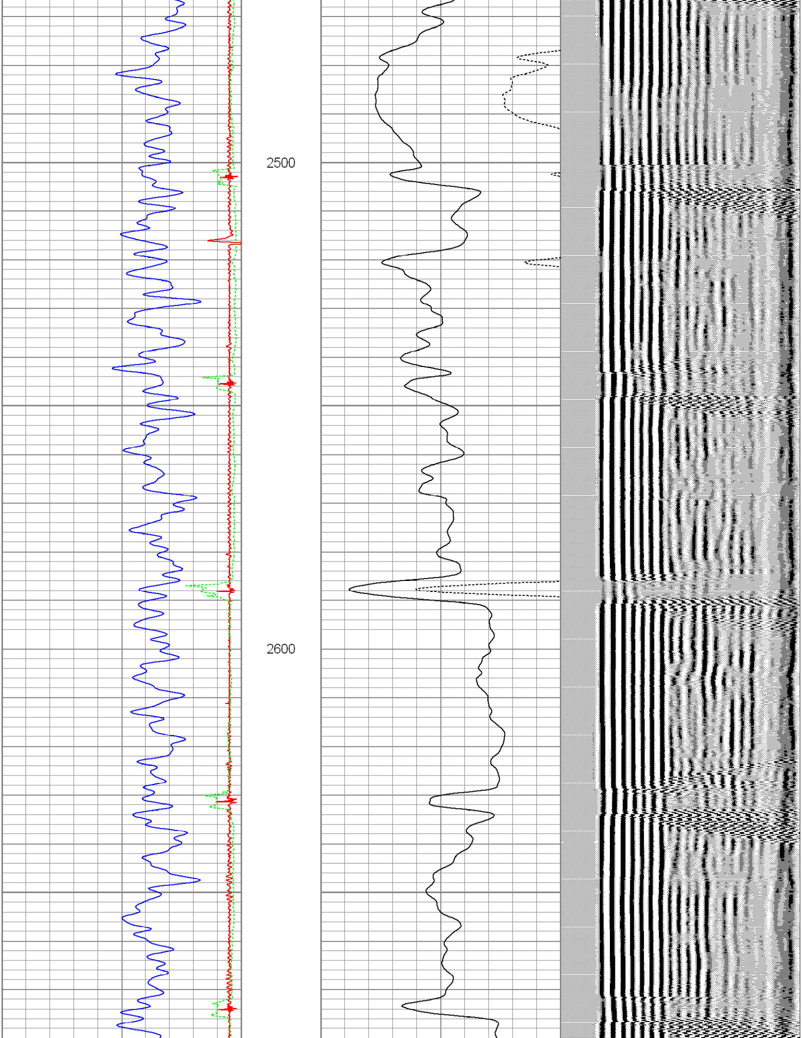
Database File:	cblgulley 17-25.db
Dataset Pathname:	pass5
Presentation Format:	nuexcbl
Dataset Creation:	Thu Dec 23 11:47:10 2010 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240

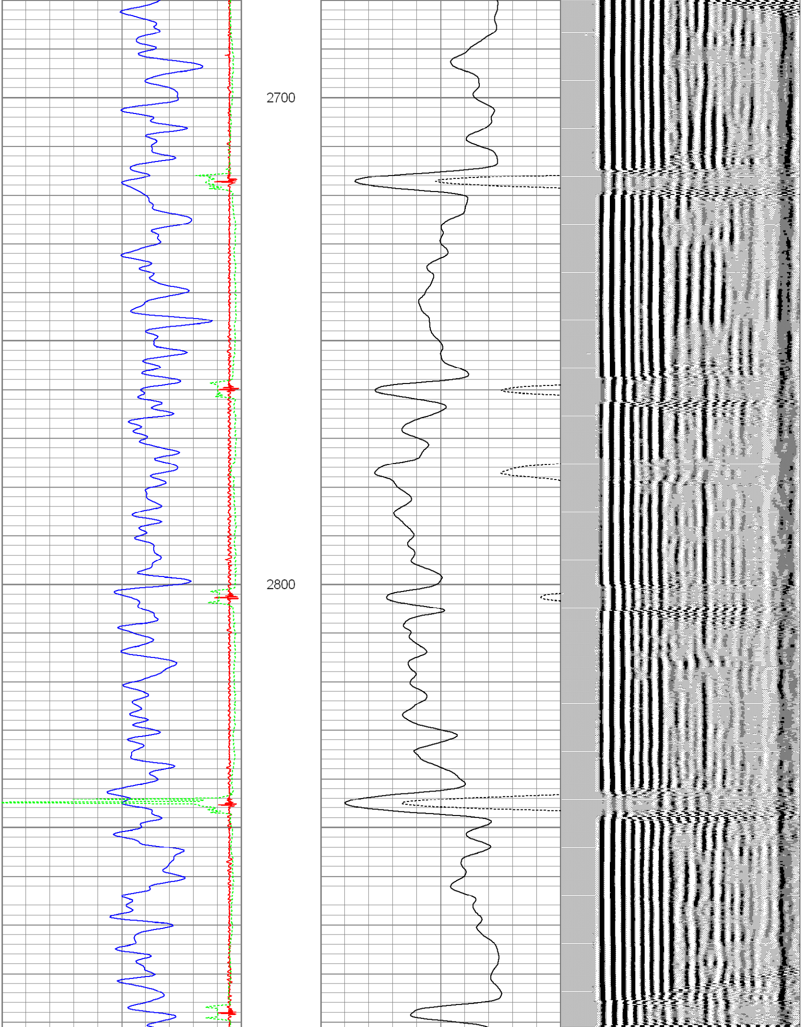


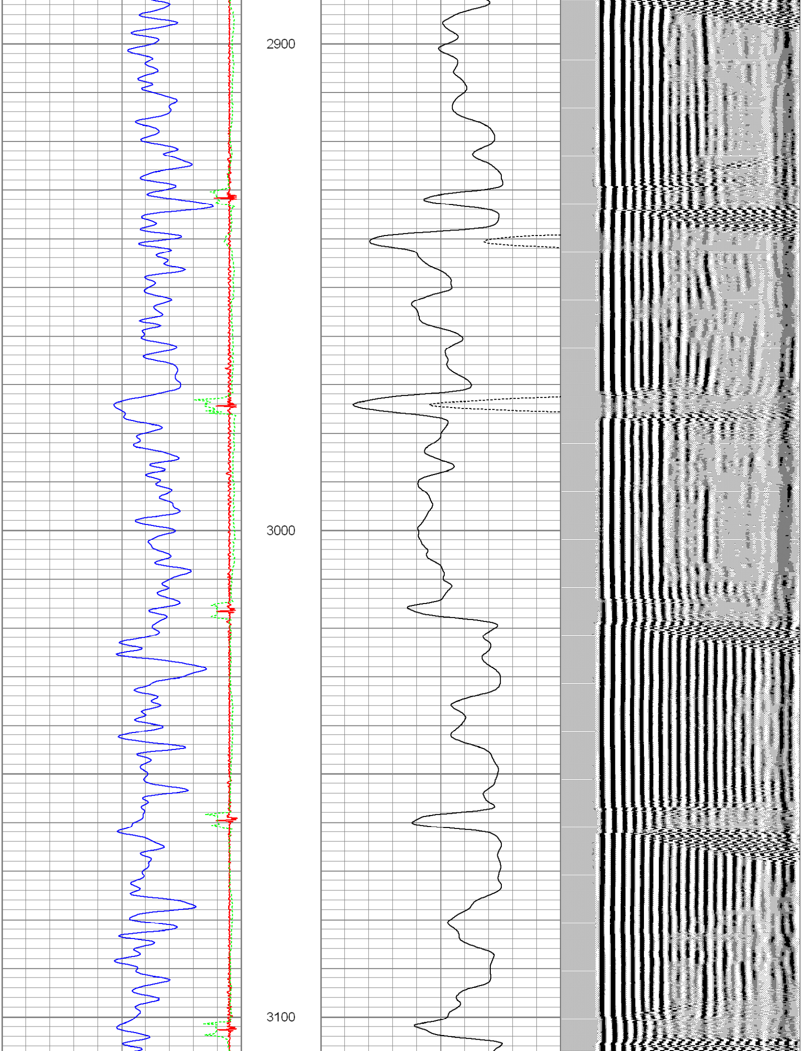


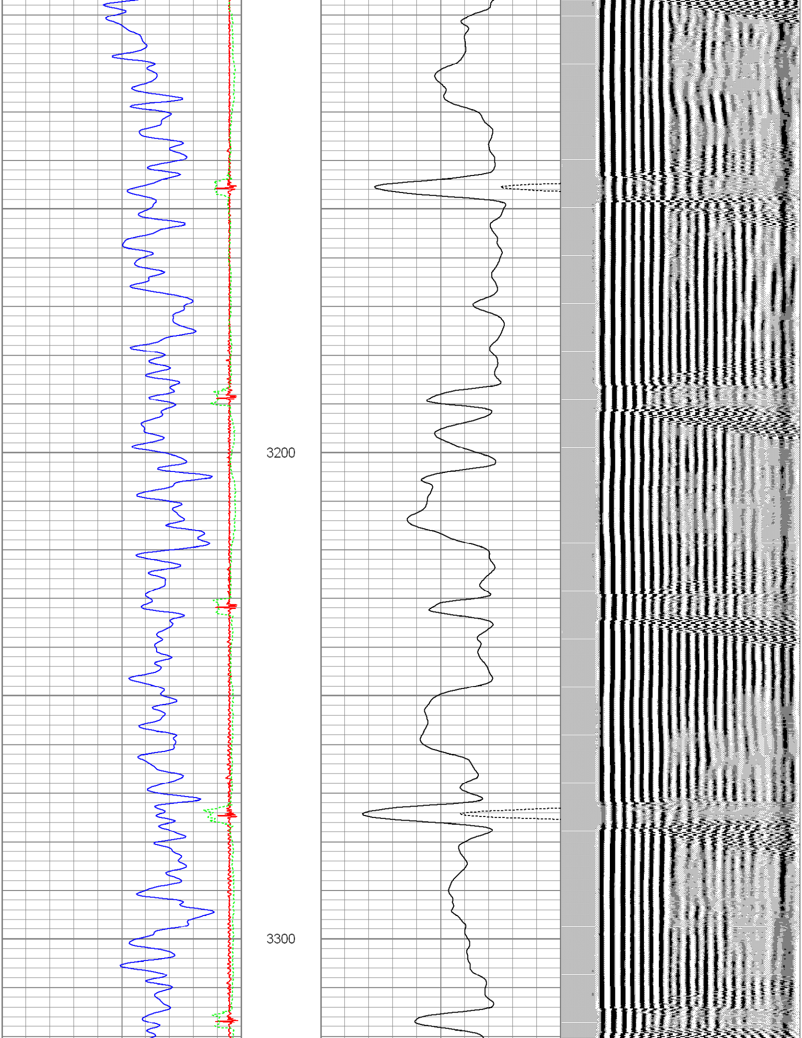


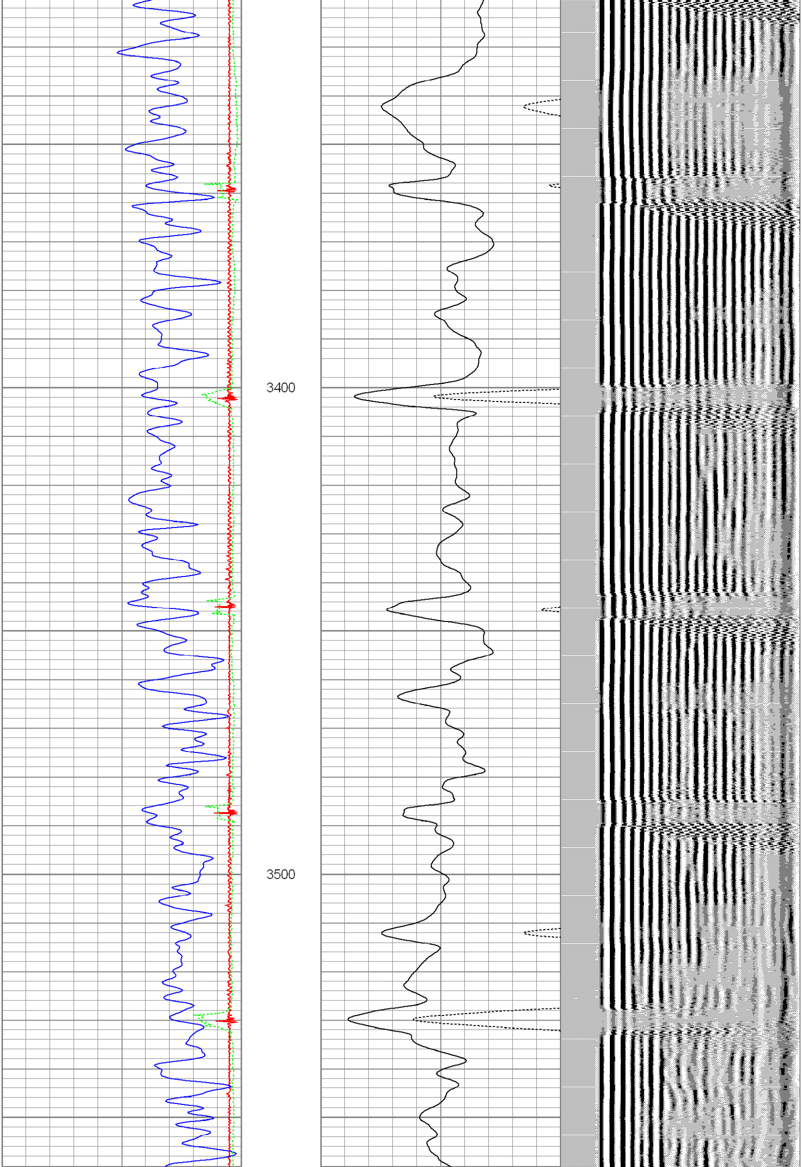


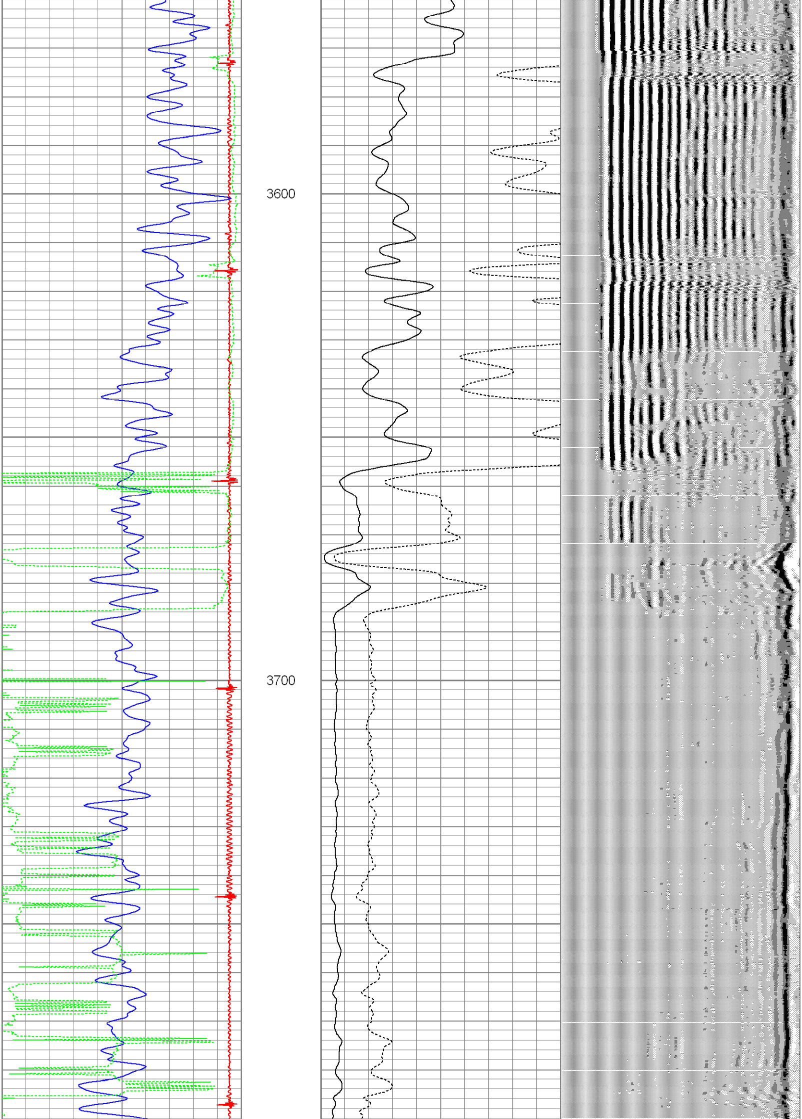


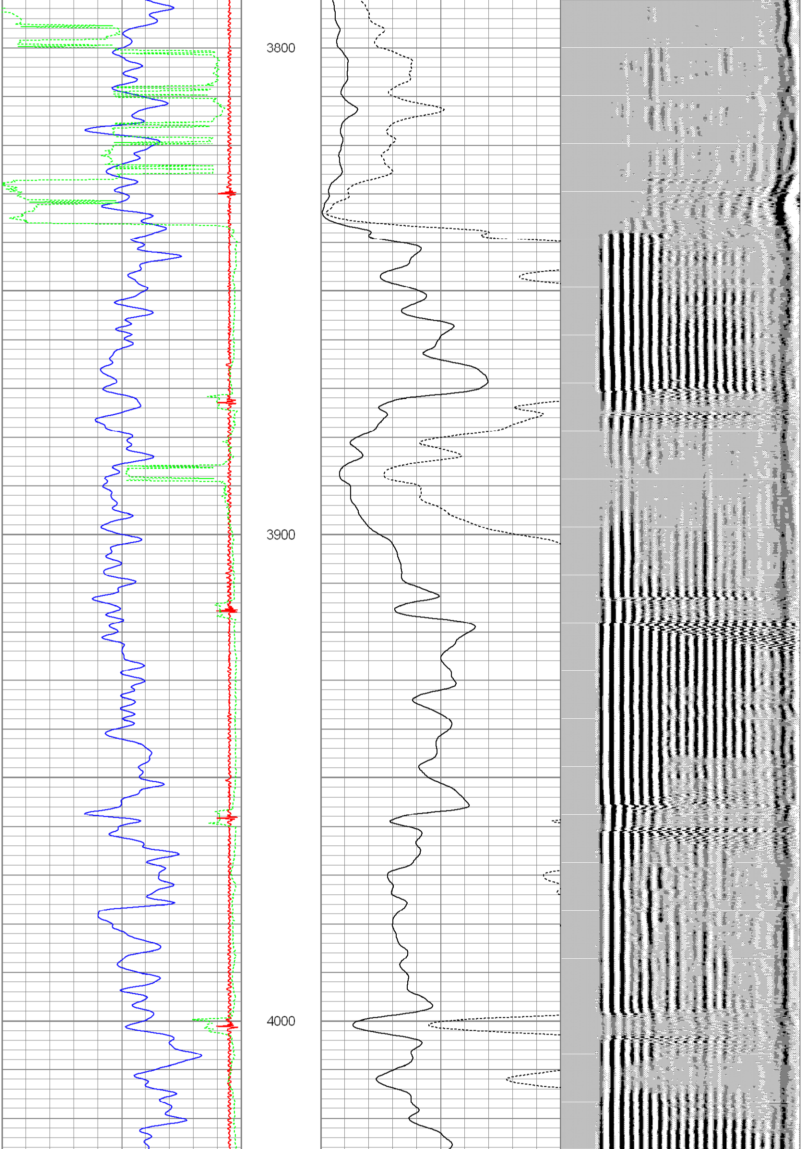


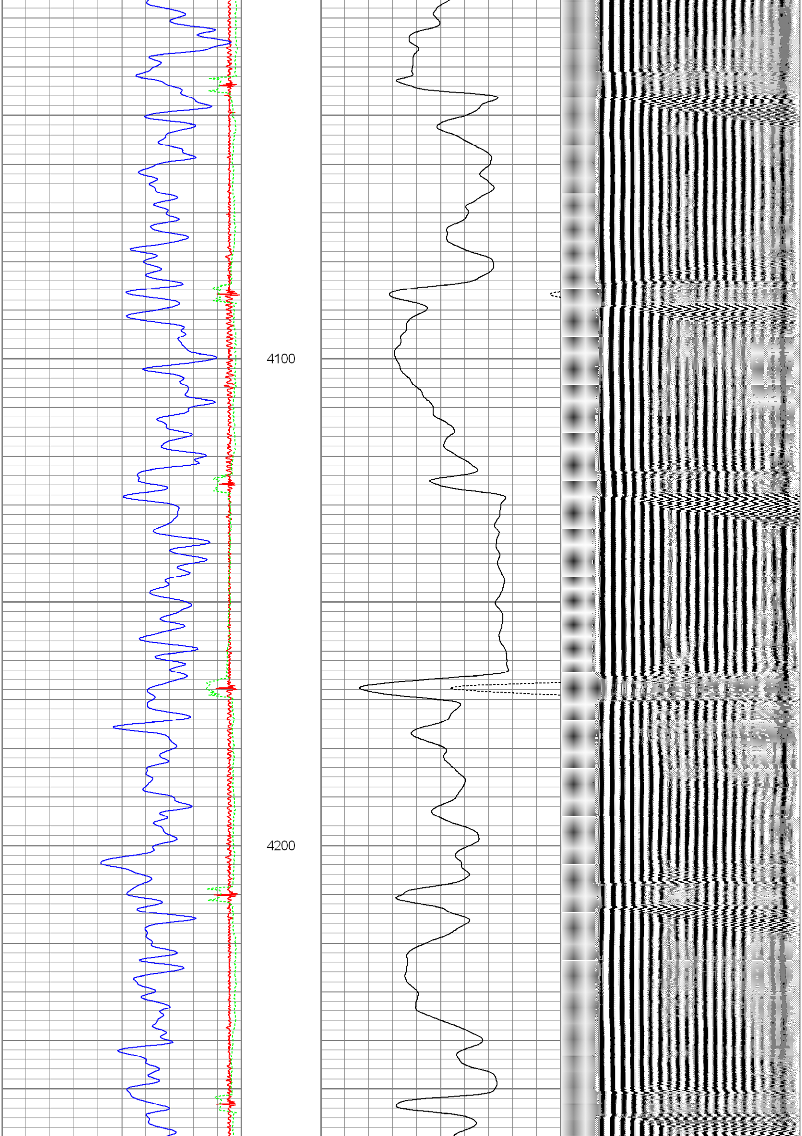


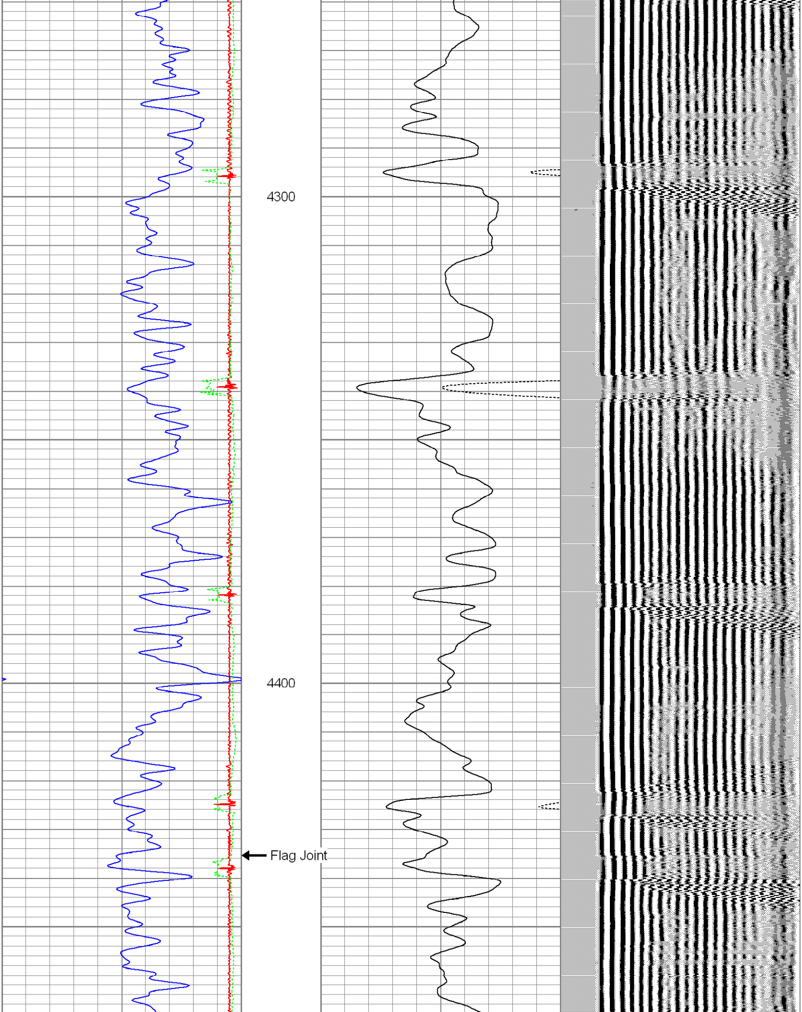


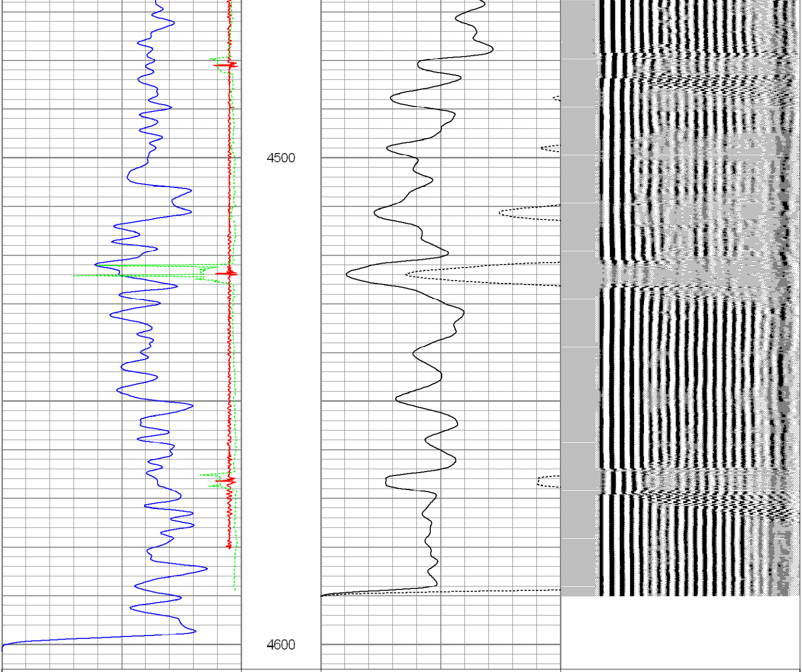












25 CCL -1.2
0 Gamma Ray (GAPI) 150
340 TT3 (usec) 240

0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100

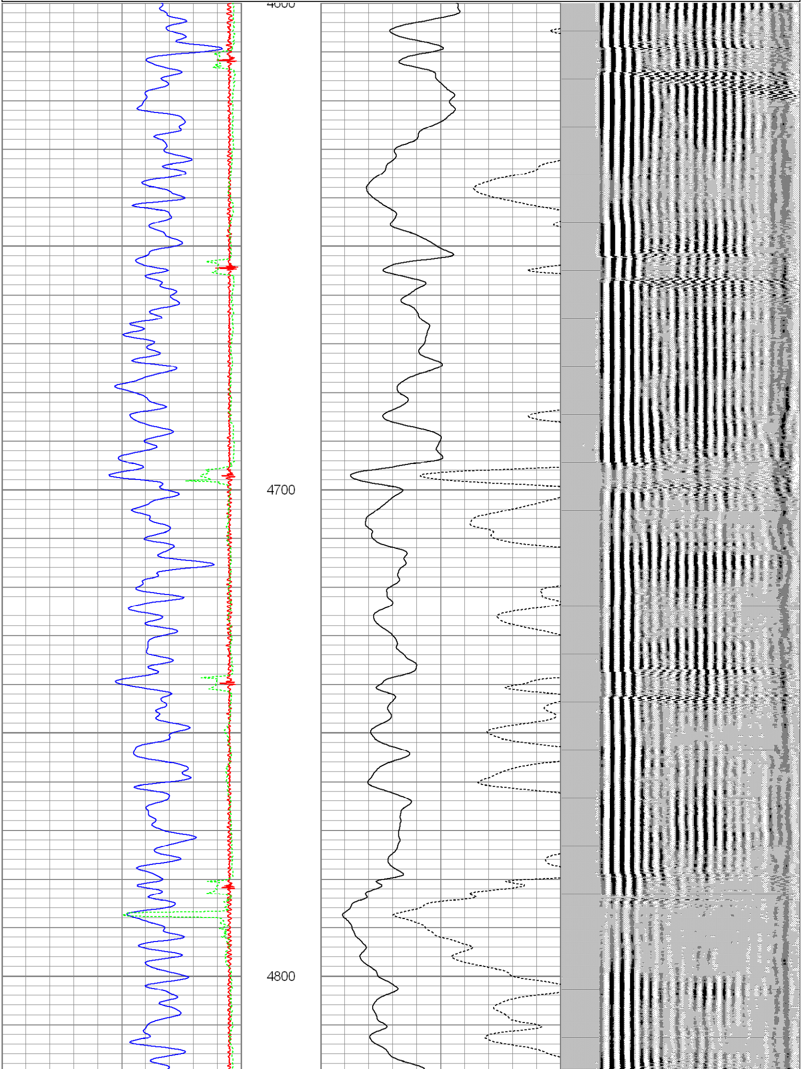
200 Variable Density 1200

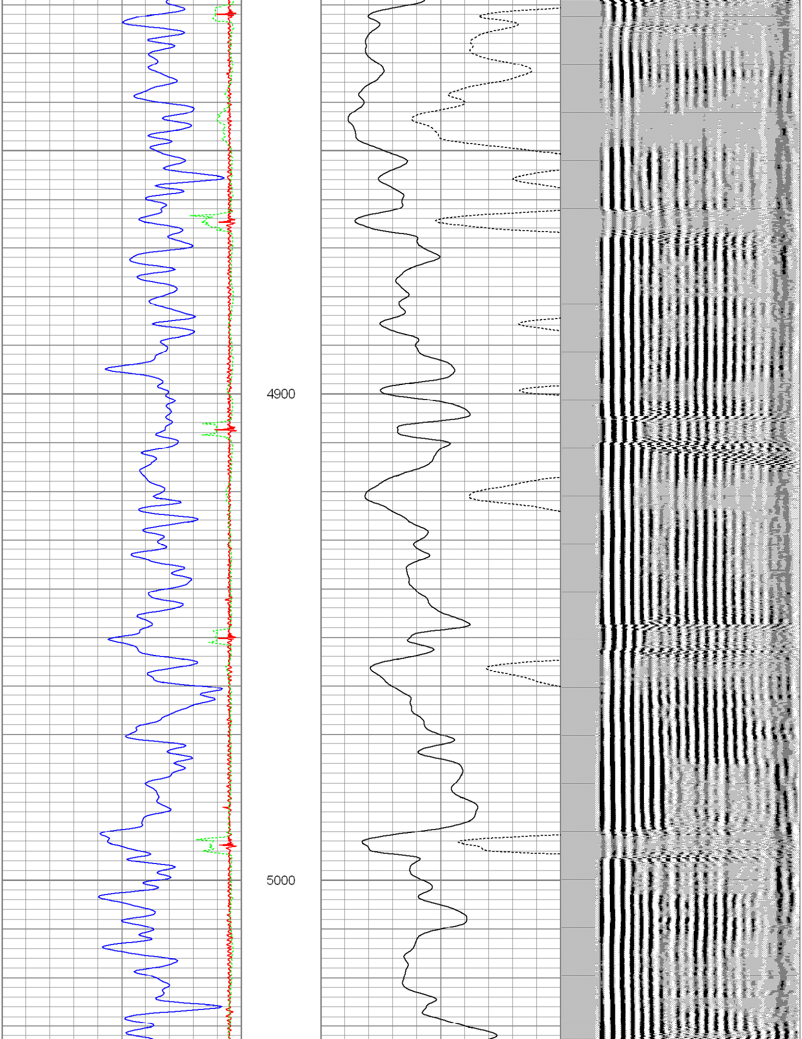
Database File: cblgulley 17-25.db
Dataset Pathname: pass3
Presentation Format: nuexcbl
Dataset Creation: Thu Dec 23 11:22:26 2010 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

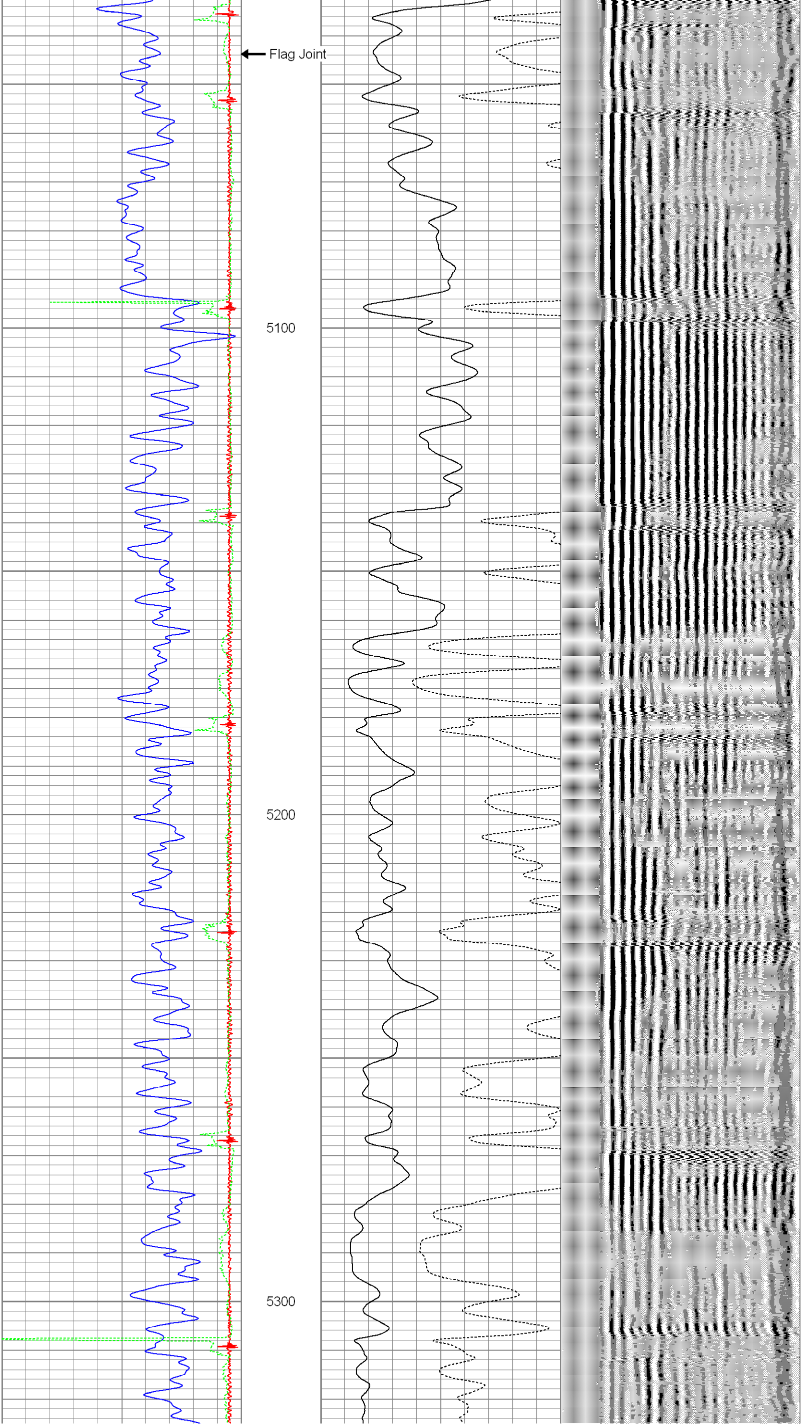
25 CCL -1.2
0 Gamma Ray (GAPI) 150
340 TT3 (usec) 240

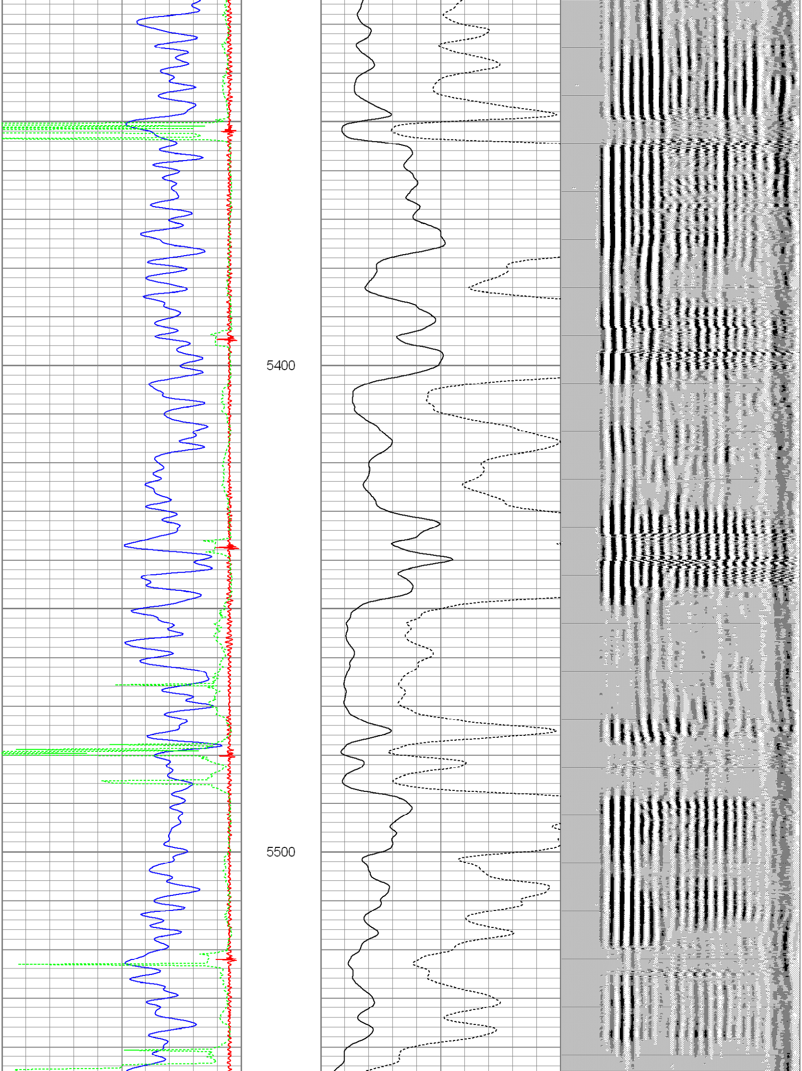
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100

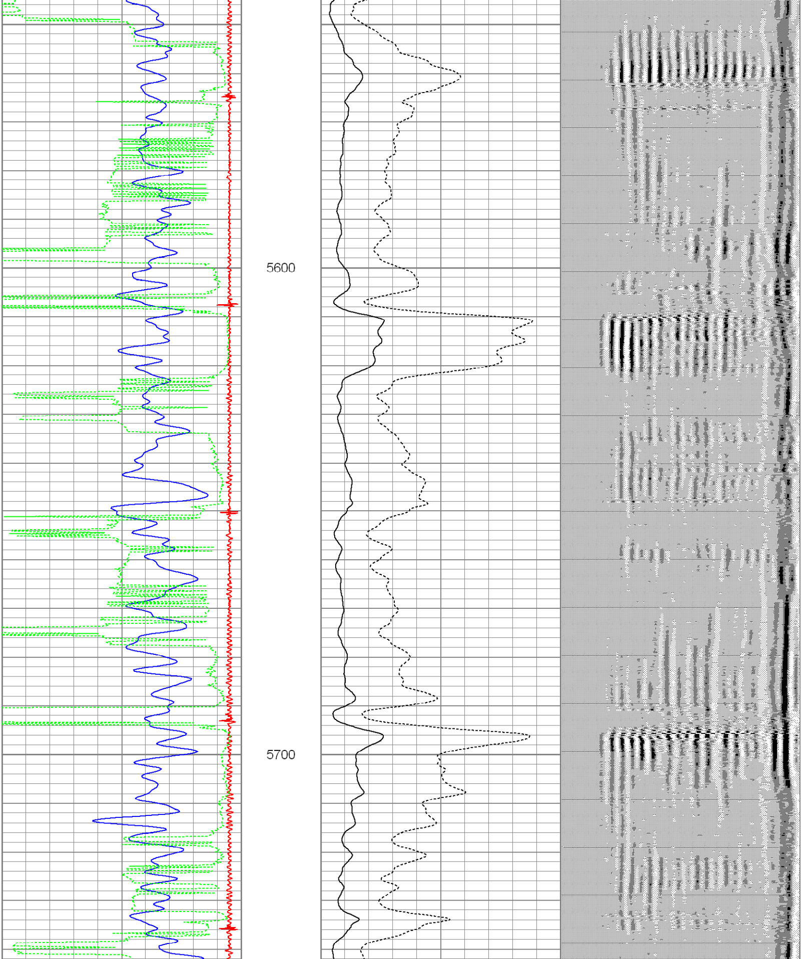
200 Variable Density 1200

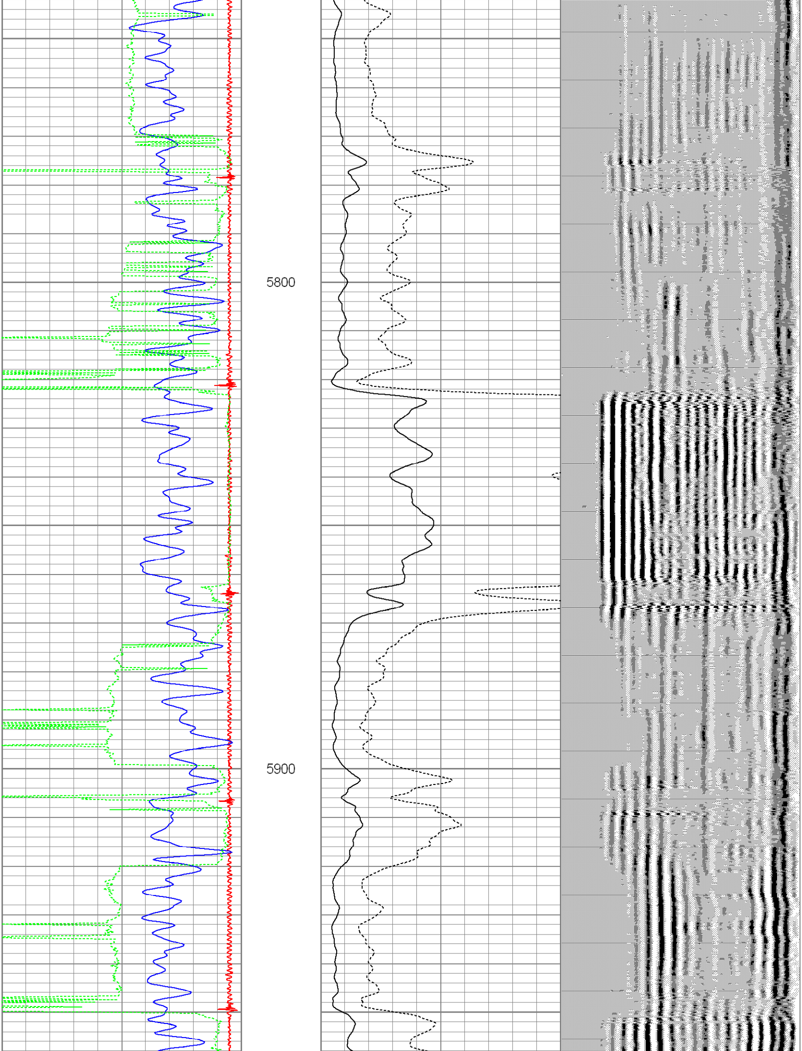


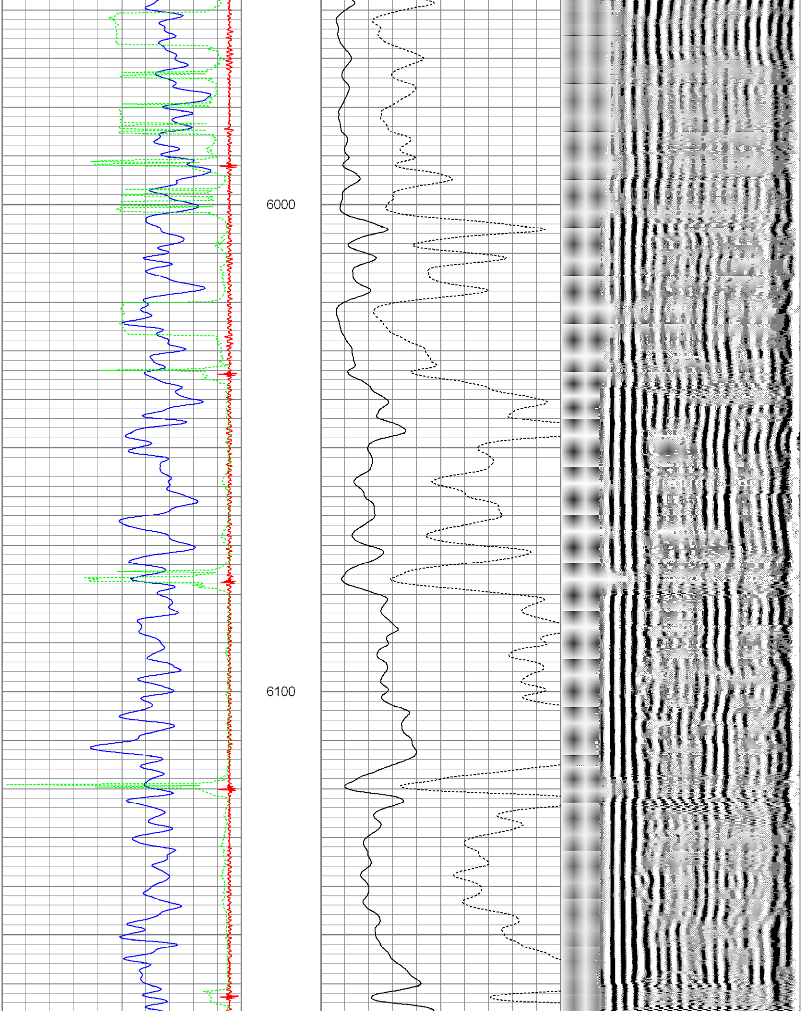


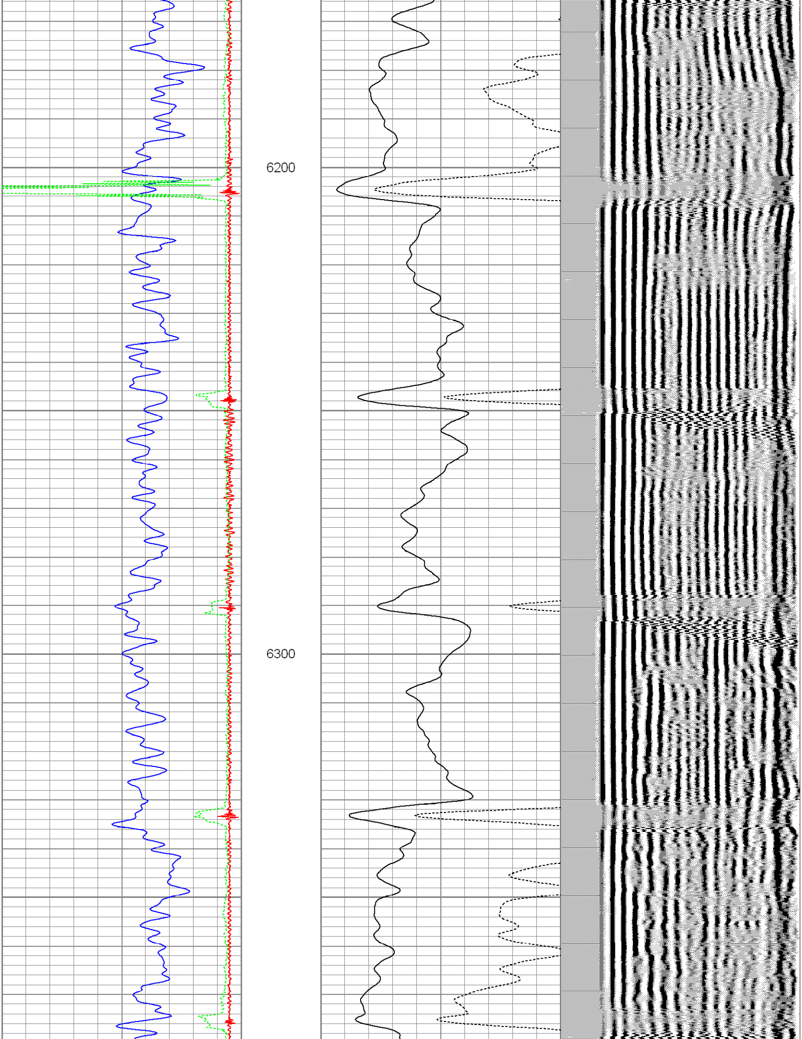


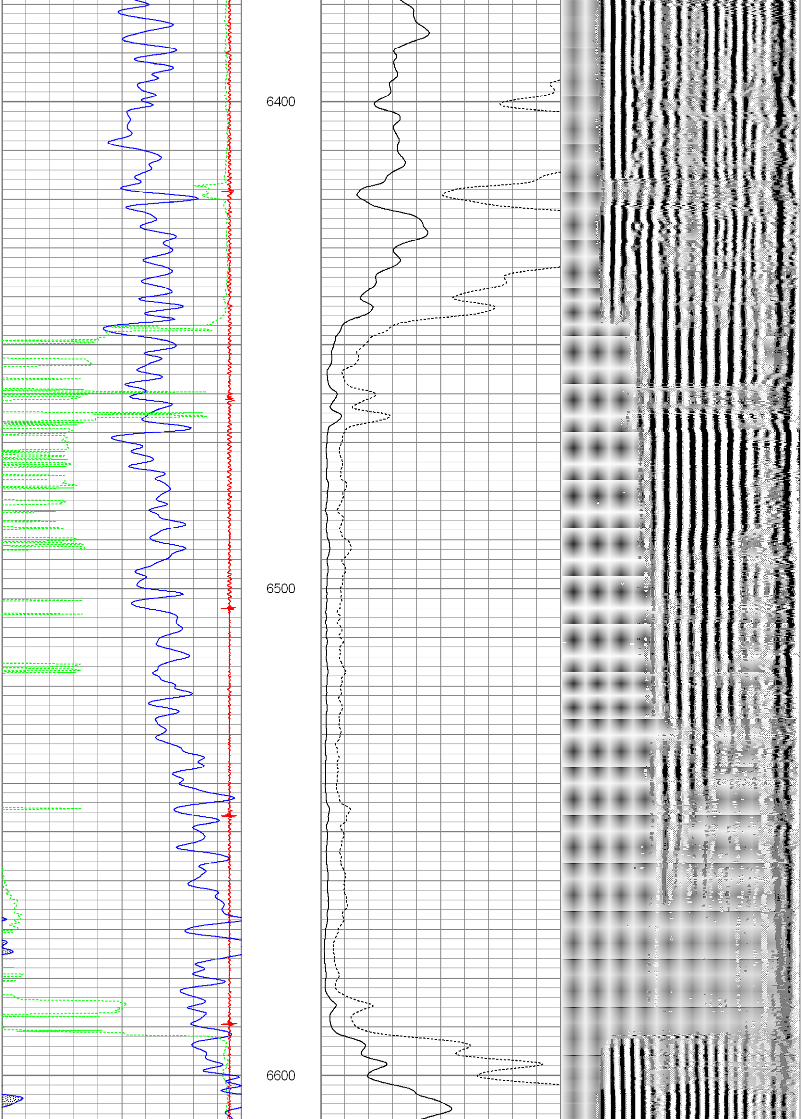


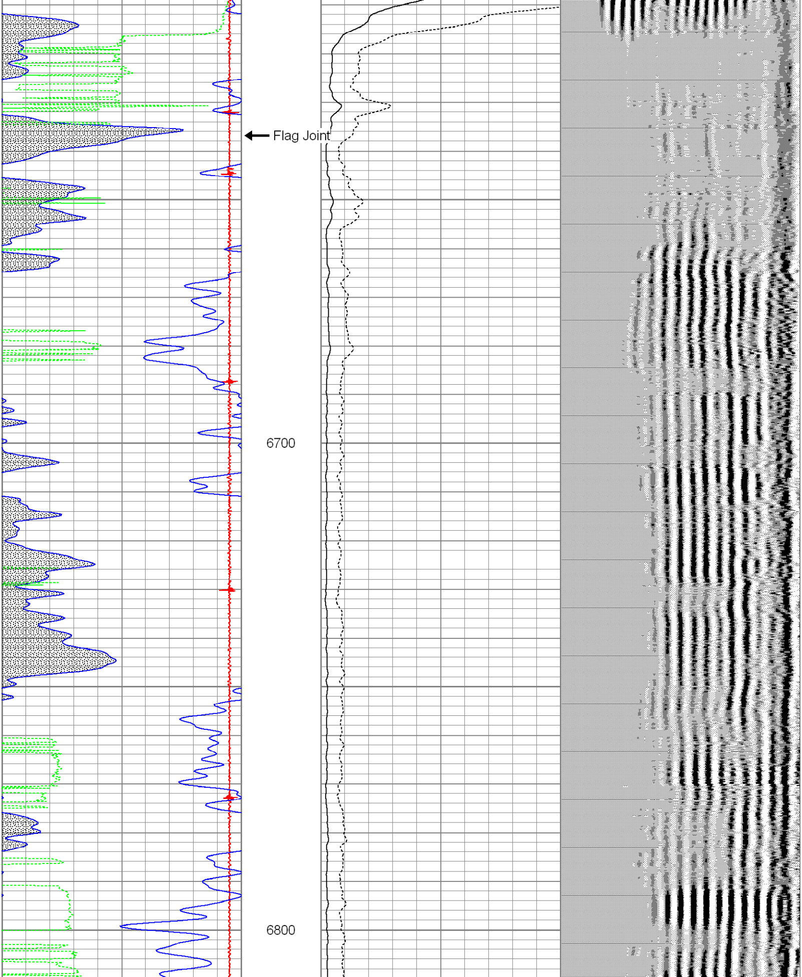


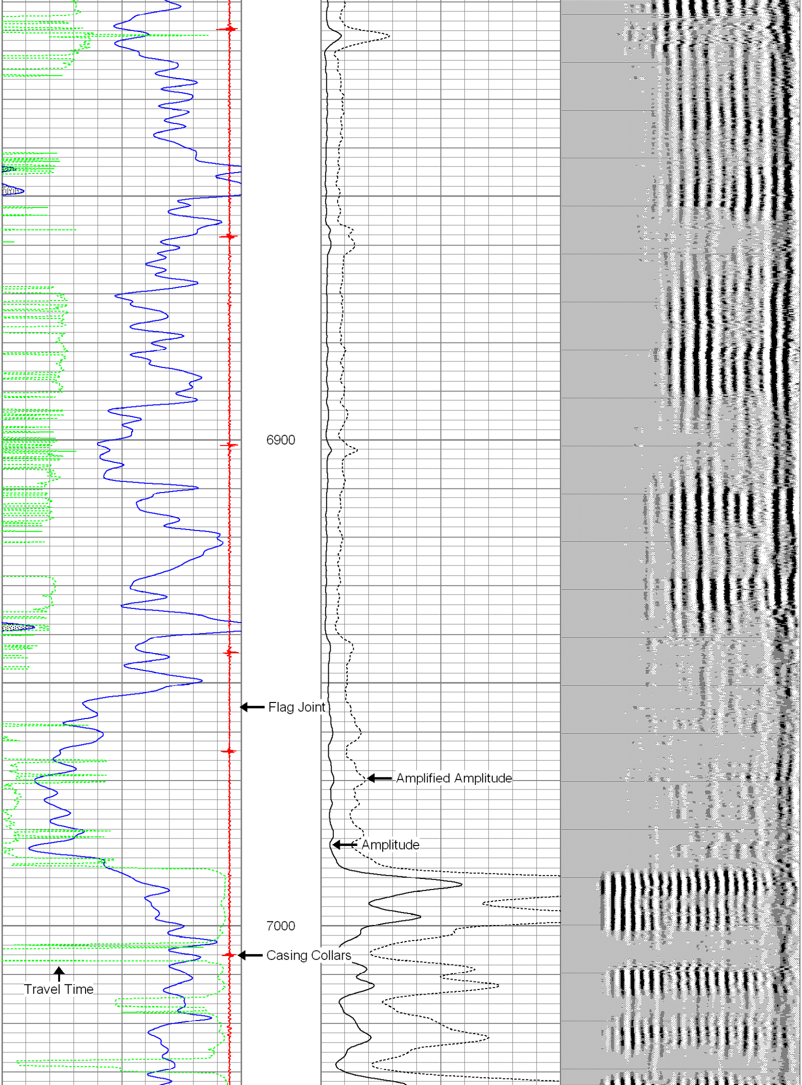


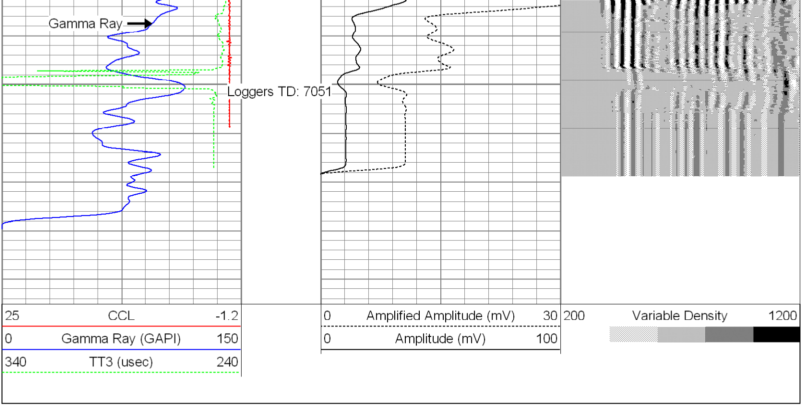












Calibration Report

Database File: cblgulley 17-25.db
Dataset Pathname: pass5
Dataset Creation: Thu Dec 23 11:47:10 2010 by Log Std Casedhole 10081

Gamma Ray Calibration Report

Serial Number:	tit/temp	
Tool Model:	temp/tit	
Performed:	Thu Dec 23 11:06:20 2010	
Calibrator Value:	2.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	TEKCO-01		
Tool Model:	TEKCO-1x2		
Performed:	Thu Dec 23 11:04:59 2010		
Depth:	325.7	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.5	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.0383301	0.0168457	V
Reading in Free Pipe:	2.42781	2.49878	V
Gain:	33.7714	32.7149	
Offset:	-0.794462	-0.551105	