GAMMA RAY CCL
CEMENT BOND VDL

Company NOBLE ENERGY INC.
Well CRICKET C22-30D
Field WATTENBERG
County WELD
State COLORADO

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Well CRICKET C22-30D
Field WATTENBERG
County WELD State COLORADO

Location: API # : 0512332070

SHL: 715' FNL & 610' FEL NENE
BHL: 89' FNL & 64' FEL NENE
SEC 21 TWP 4N RGE 64W

Other Services

Permanent Datum	GL	Elevation	4687
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4702
D.F. 4701
G.L. 4687

Date	APRIL 14, 2011		
Run Number	ONE		
Depth Driller	7135		
Depth Logger	7067		
Bottom Logged Interval	5000-7073		
Top Log Interval	1749-5000		
Open Hole Size	7-7/8		
Type Fluid	WATER		
Density / Viscosity	N/A		
Max. Recorded Temp.	245 DEG. F		
Estimated Cement Top	1952		
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	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	15.1	620
Prot. String				
Production String	4-1/2	11.6	15.1	7123
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 SPECTRAL DENSITY, DUAL SPACED NEUTRON,
ARRAY COMPENSATED, TRUE RESISTIVITY LOG DATED 07-APR-11
WCR 44 & WCR 55, S.2, W INTO

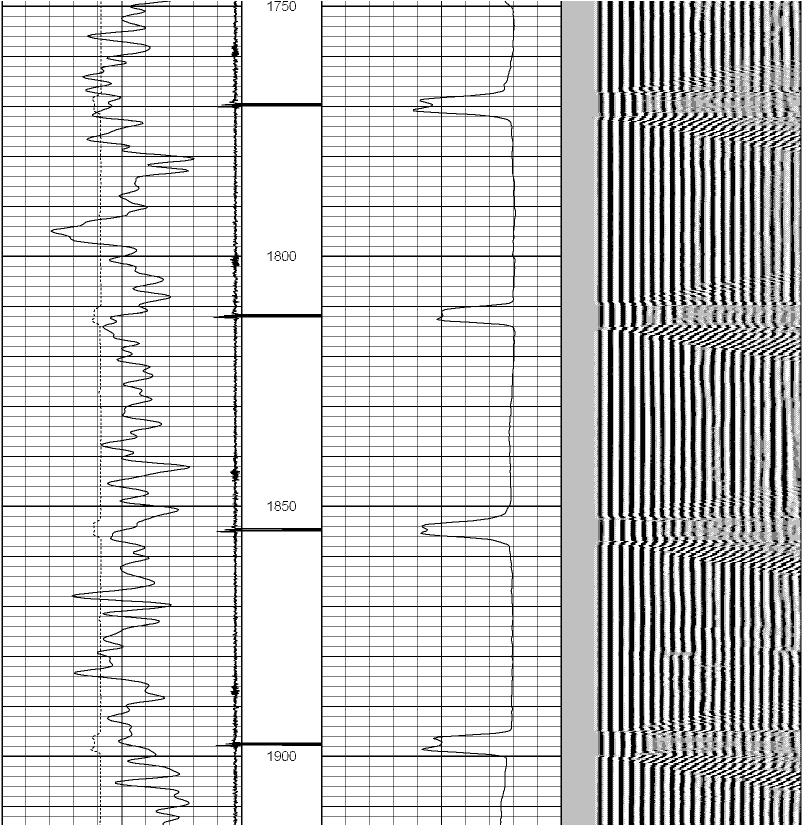
Database File: cbl noble cricket c22-30d.db
Dataset Pathname: pass5.1
Presentation Format: nuexbond
Dataset Creation: Thu Apr 14 11:27:03 2011 by Calc Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

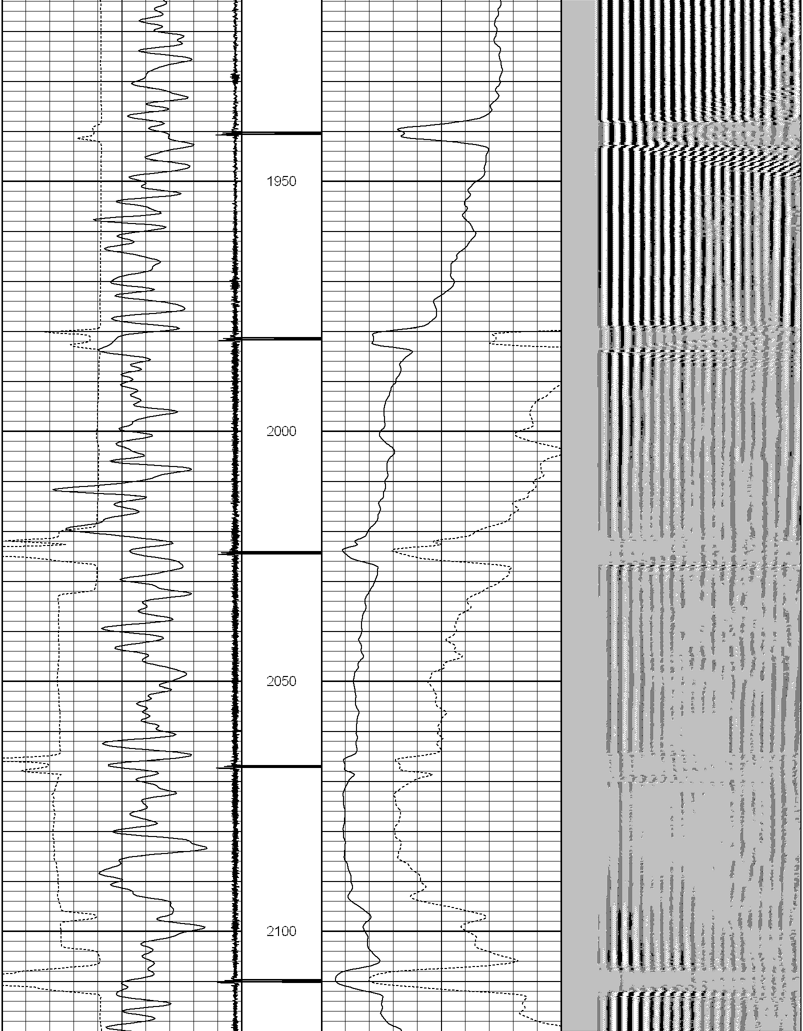
30 Gamma Ray (GAPI) 130
20 CCL -0.5
340 TT3 (usec) 100

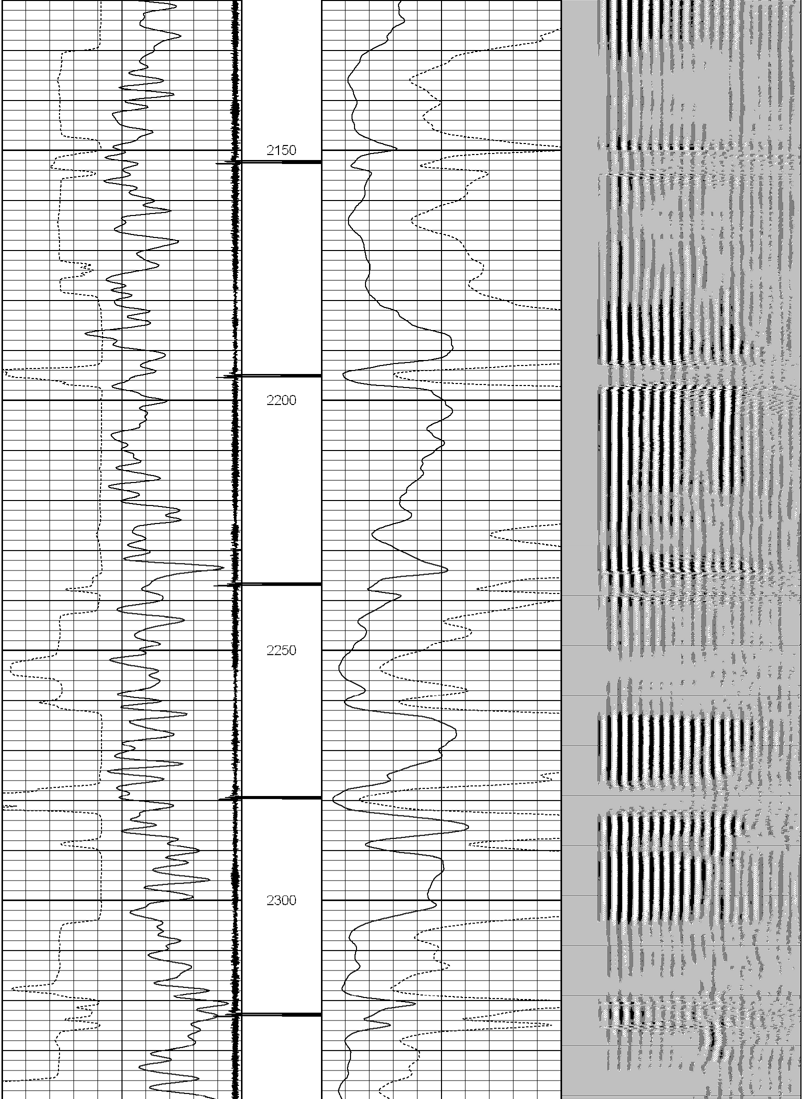
CCL
-0.6 -0.52

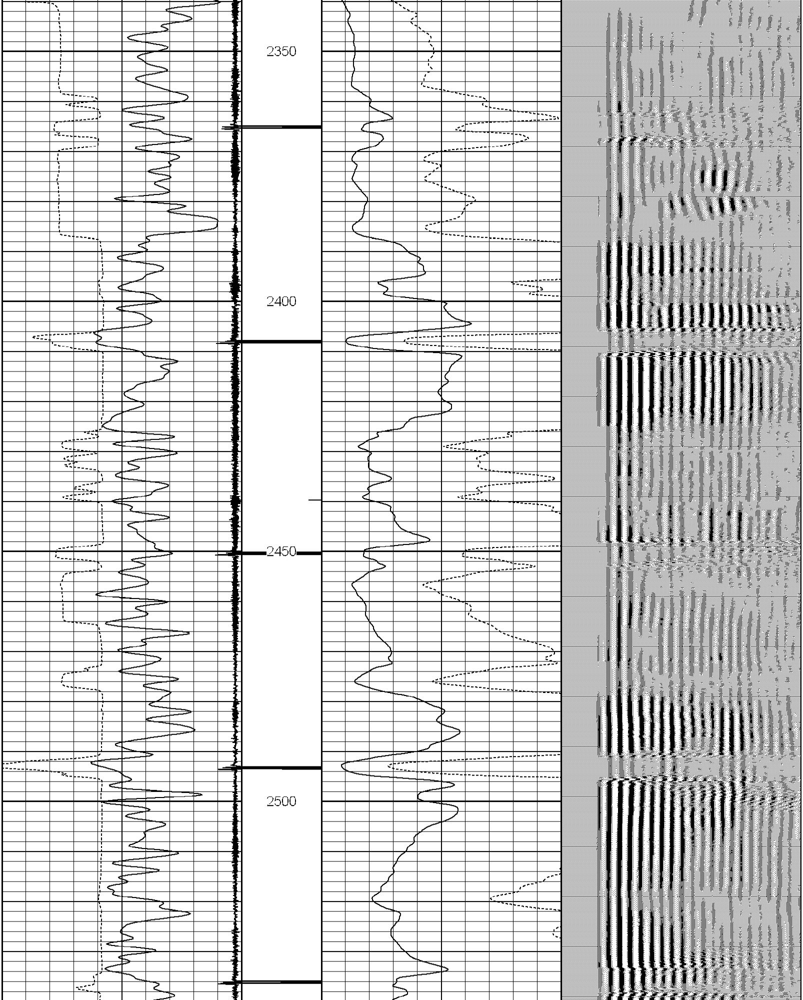
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100

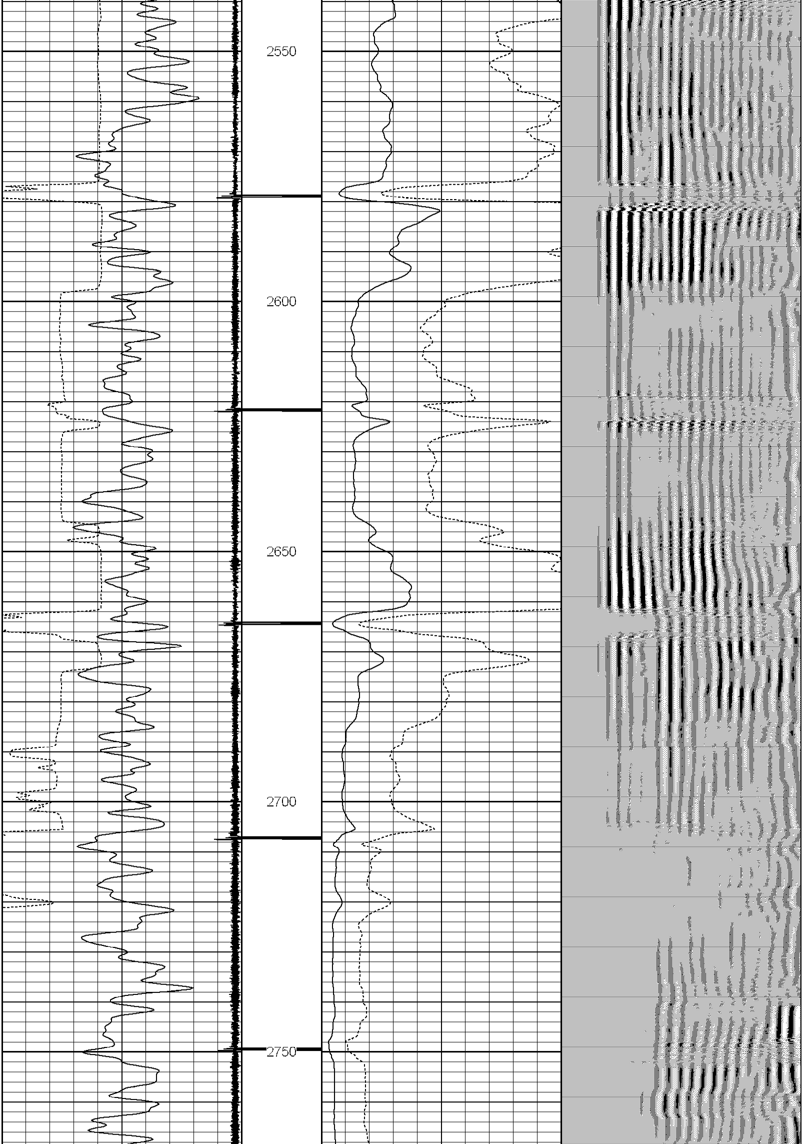
200 VDL 1200

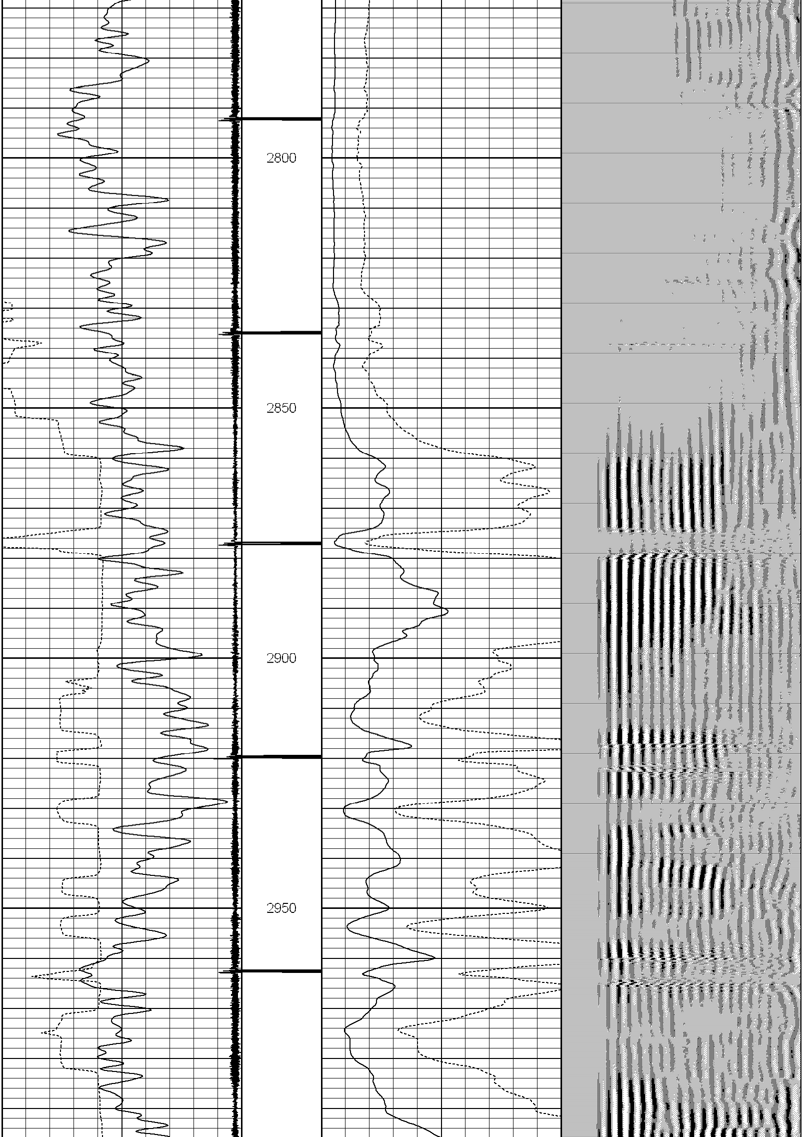


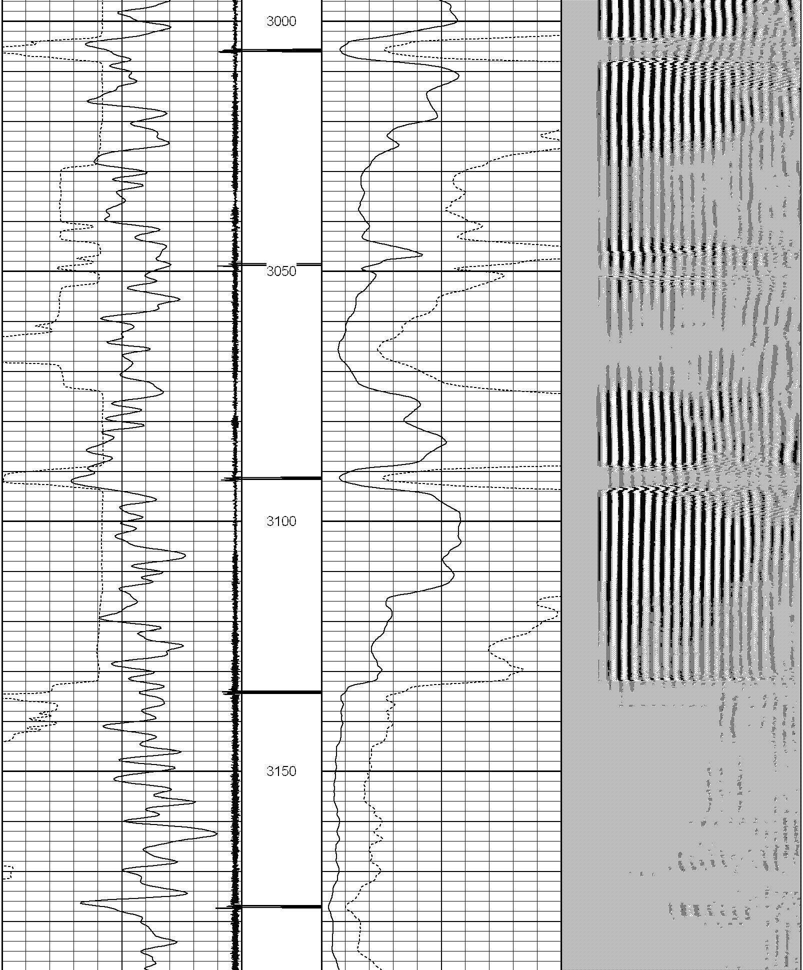


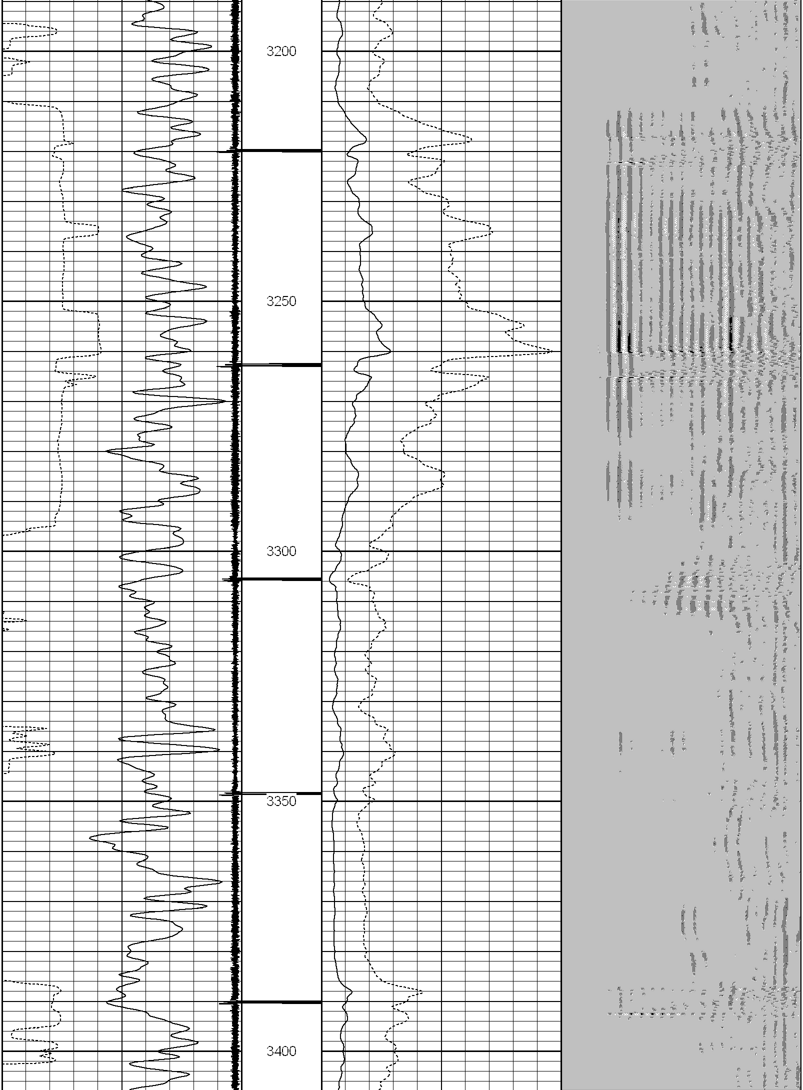


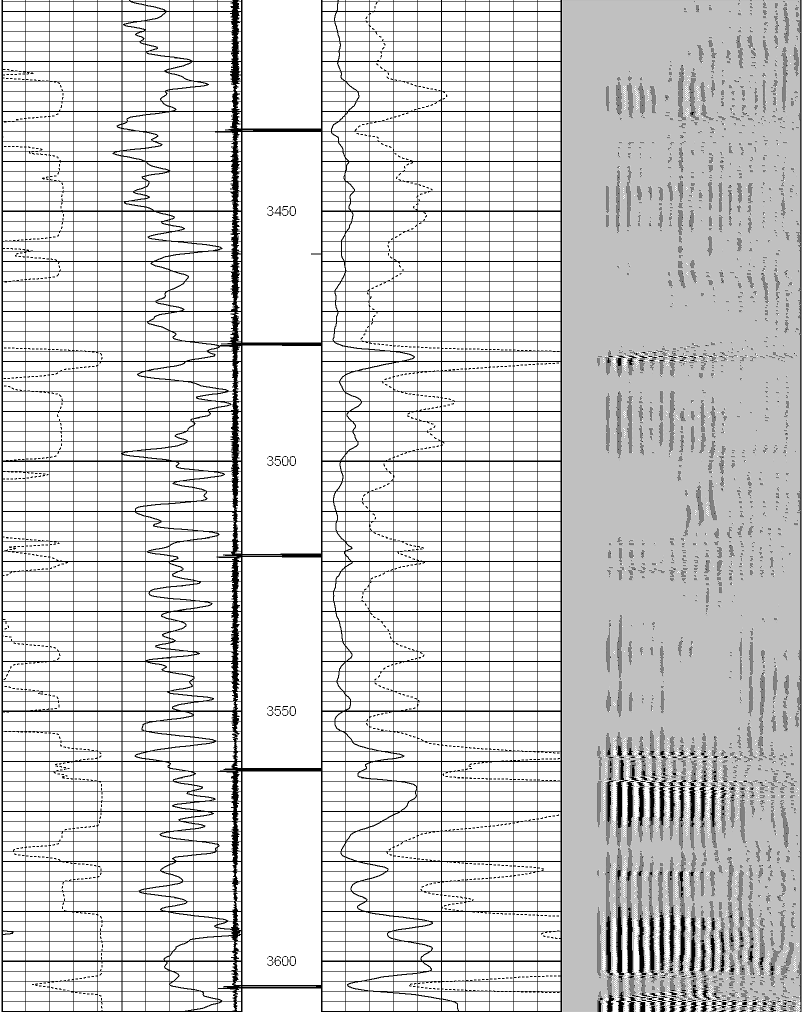


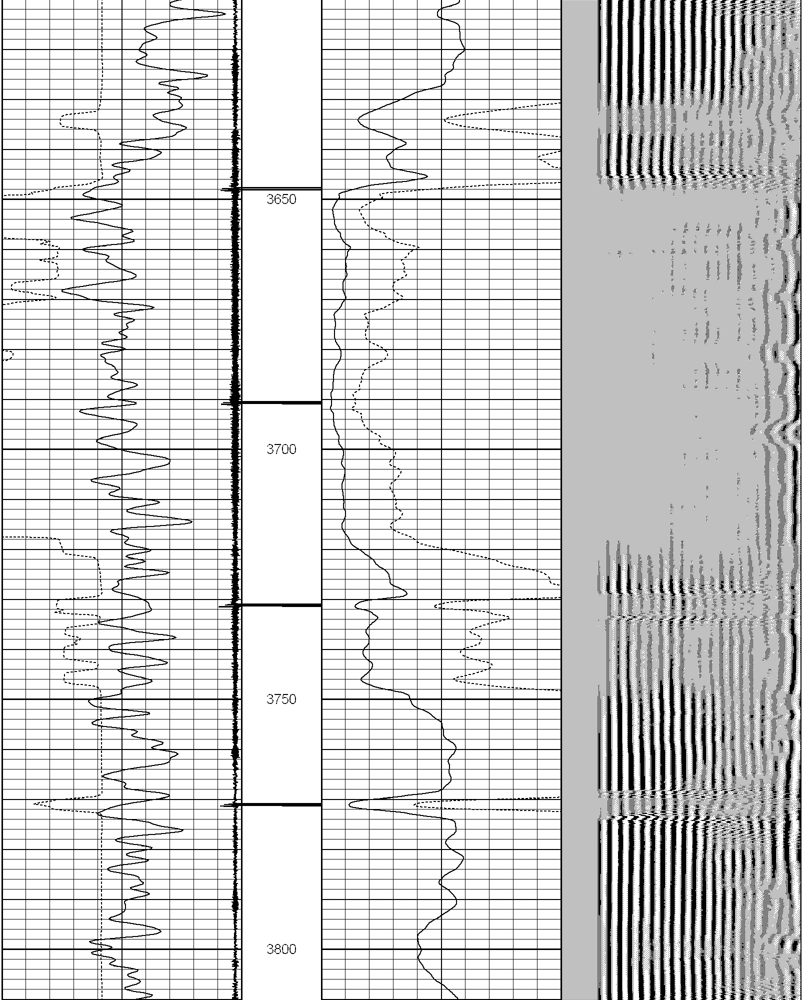


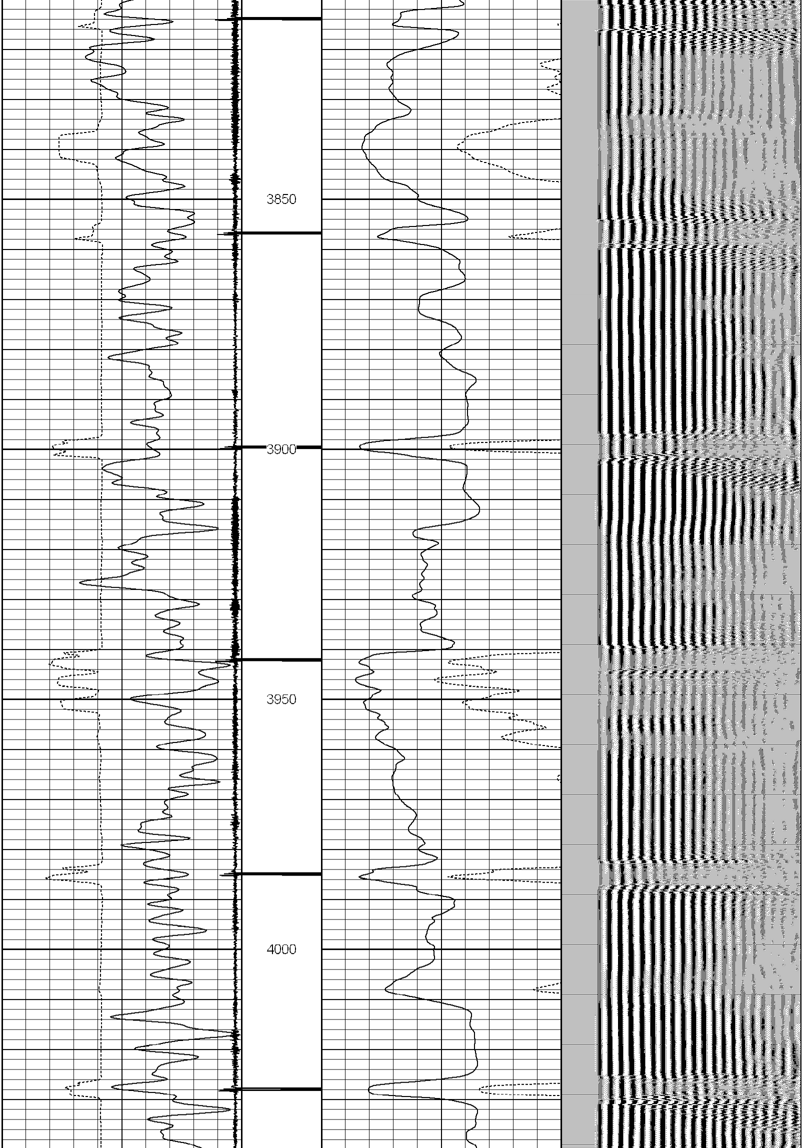


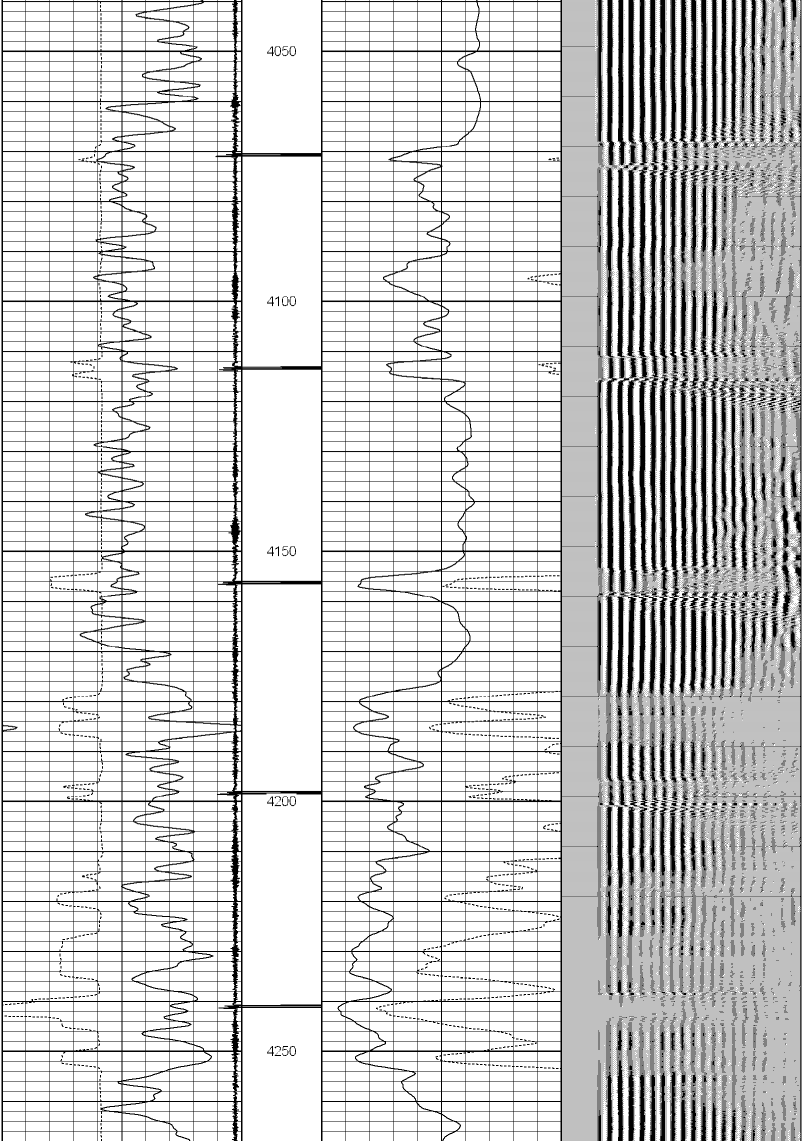


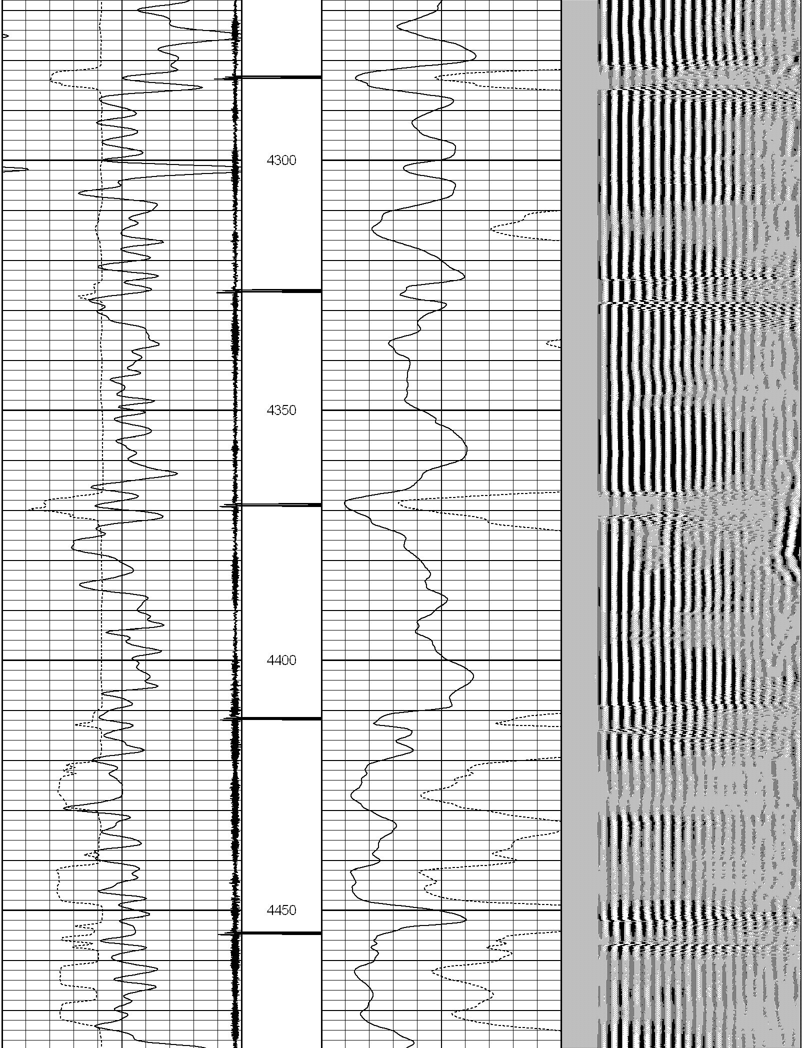


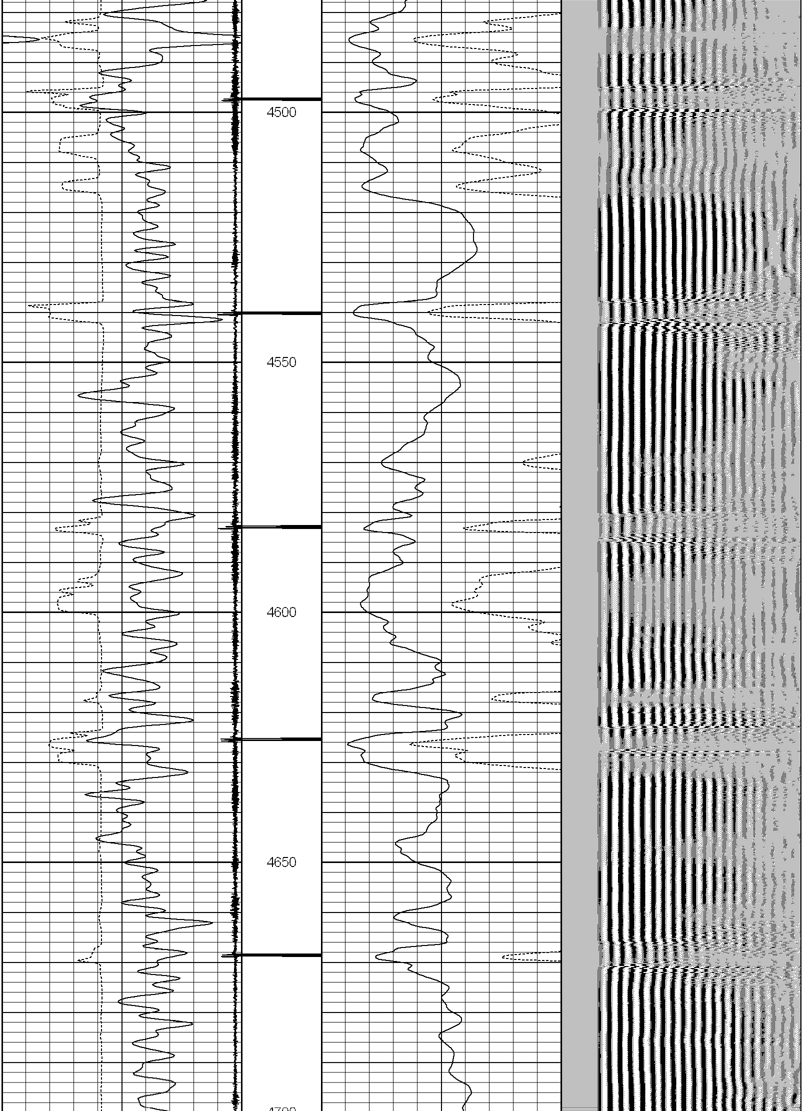


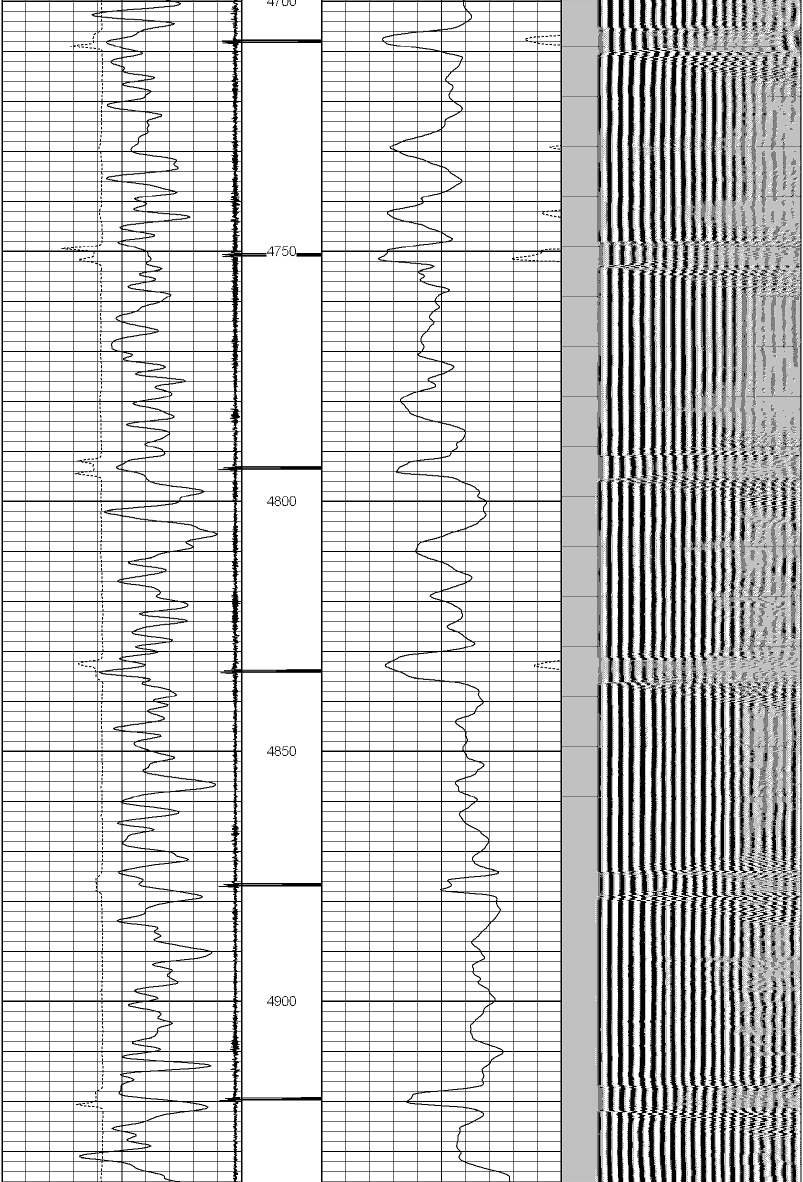


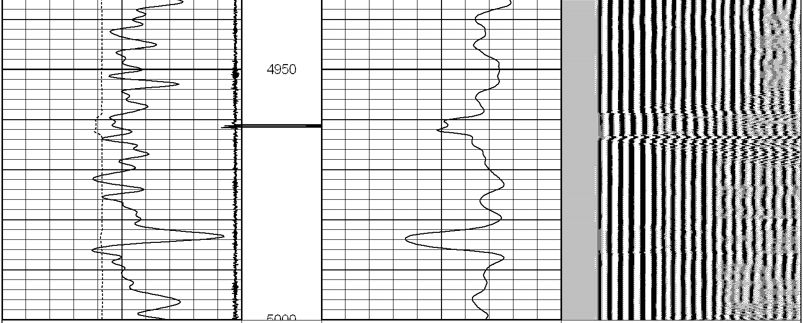








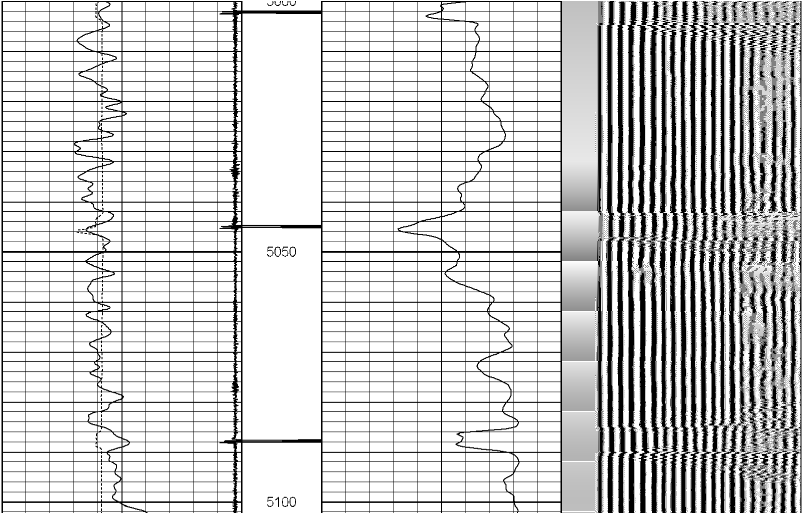


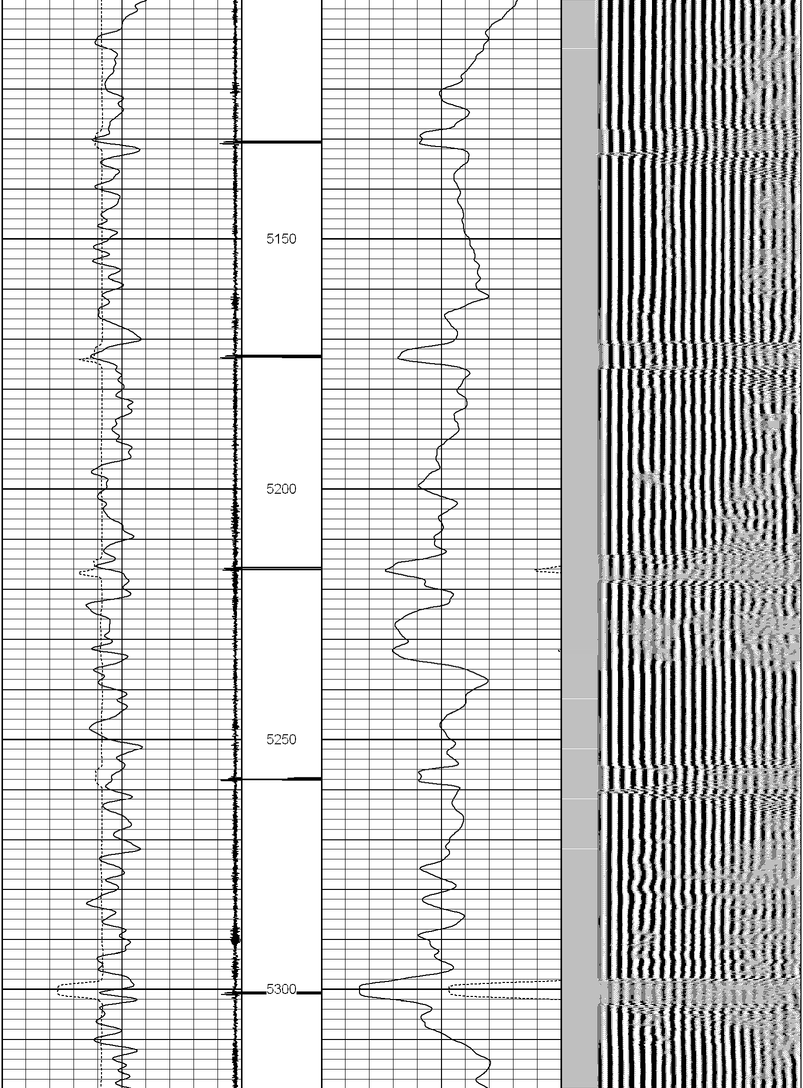


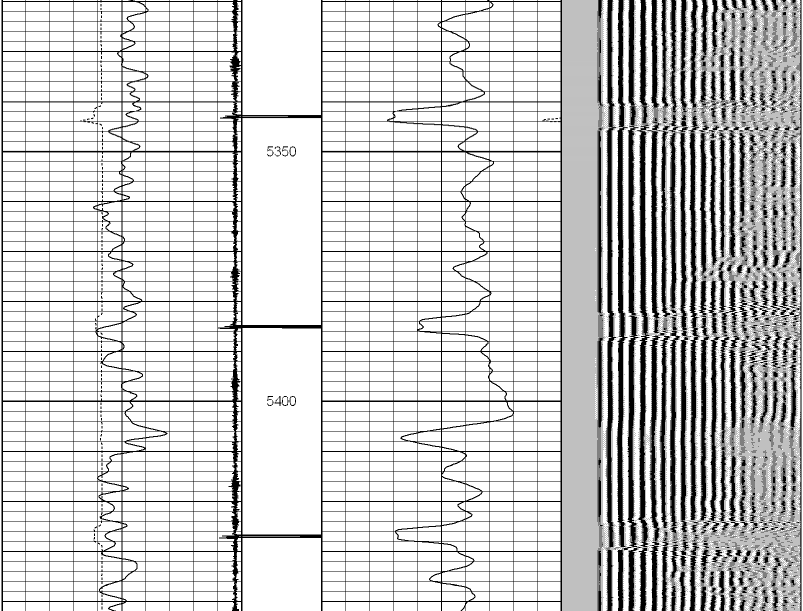
30 Gamma Ray (GAPI) 130	CCL	0 Amplified Amplitude (mV) 30	200 VDL 1200
20 CCL -0.5	-0.6 -0.52	0 Amplitude (mV) 100	
340 TT3 (usec) 100			

Database File: cbl noble cricket c22-30d.db
Dataset Pathname: pass4.1
Presentation Format: nuexbond
Dataset Creation: Thu Apr 14 11:28:15 2011 by Calc Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 200	CCL	0 Amplified Amplitude (mV) 30	200 VDL 1200
20 CCL -0.5	-0.6 -0.52	0 Amplitude (mV) 100	
340 TT3 (usec) 100			







Calibration Report

Database File:	cbl noble cricket c22-30d.db
Dataset Pathname:	pass4
Dataset Creation:	Thu Apr 14 10:31:21 2011 by Log Std Casedhole 10081

Gamma Ray Calibration Report

Serial Number:	tit/temp	
Tool Model:	temp/tit	
Performed:	Thu Apr 14 09:32:42 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

CBL Calibration Report

Serial Number:	111		
Tool Model:	TekCo_GOI		
Performed:	Thu Apr 14 09:50:12 2011		
Depth:	305.817	ft	
Casing Diameter:	4.500	in	
	3' Spacing	5' Spacing	
Signal Zero:	1.200	1.200	mV
Calibrated Amplitude:	81.196	81.196	mV
Reading at Signal Zero:	0.008	0.008	V
Reading in Free Pipe:	1.233	1.294	V
Gain:	65.270	62.186	
Offset:	0.698	0.725	