PIONEER

Pioneer Energy Services

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

Company	KERR- MCGEE OIL AND GAS ONSHORE LP
Well	BELLA FEDERAL 37-7
Field	WATTENBERG
County	WELD
State	COLORADO

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Field	WATTENBERG		
County	WELD	State	COLORADO

Location: API # : 05-123-30783-0000

SHL: 880' FSL X 1.165' FEL

SEC 7 TWP 3N RGE 66W

Other Services

NA

Permanent Datum	GL	Elevation	4840'
Log Measured From	KB		
Drilling Measured From	KB		

Elevation

K.B. 4855'
D.F. 4854'
G.L. 4840'

Date	JUNE 4, 2013		
Run Number	ONE		
Depth Driller	7585'		
Depth Logger	1820'		
Bottom Logged Interval	1808'		
Top Log Interval	SURFACE		
Open Hole Size	7.875"		
Type Fluid	WATER		
Density / Viscosity	NA		
Max. Recorded Temp.	NA		
Estimated Cement Top	NA		
Time Well Ready	NA		
Time Logger on Bottom	NA		
Equipment Number	ONE		
Location	FORT MORGAN		
Recorded By	RANDY AZEVEDO		
Witnessed By	BILL SMITH		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String	4.5"	11.6 LB	SURFACE	7585'
Production String				
Liner				

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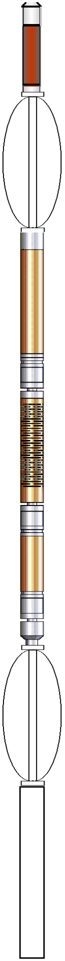
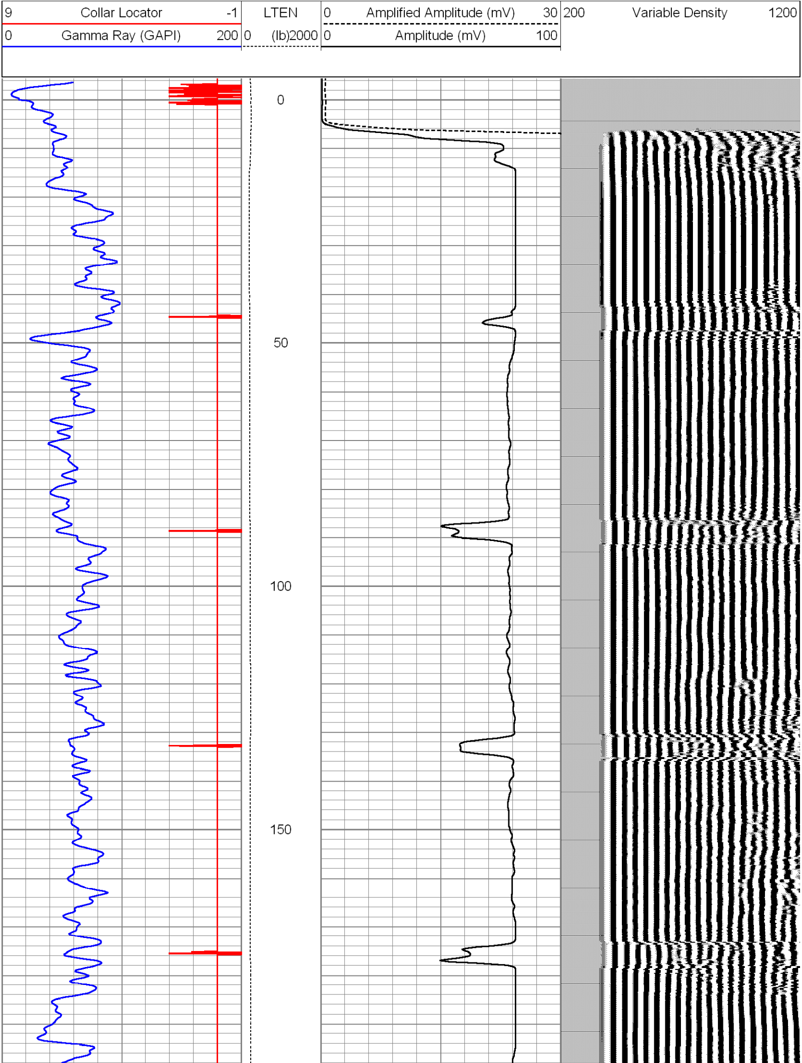
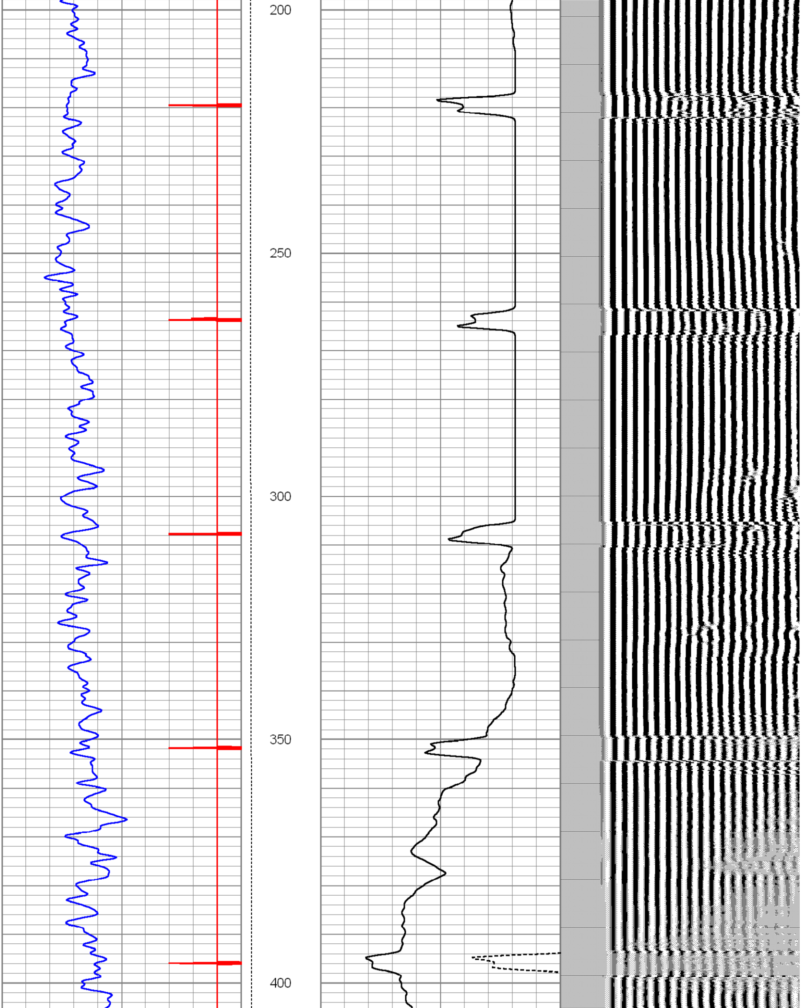
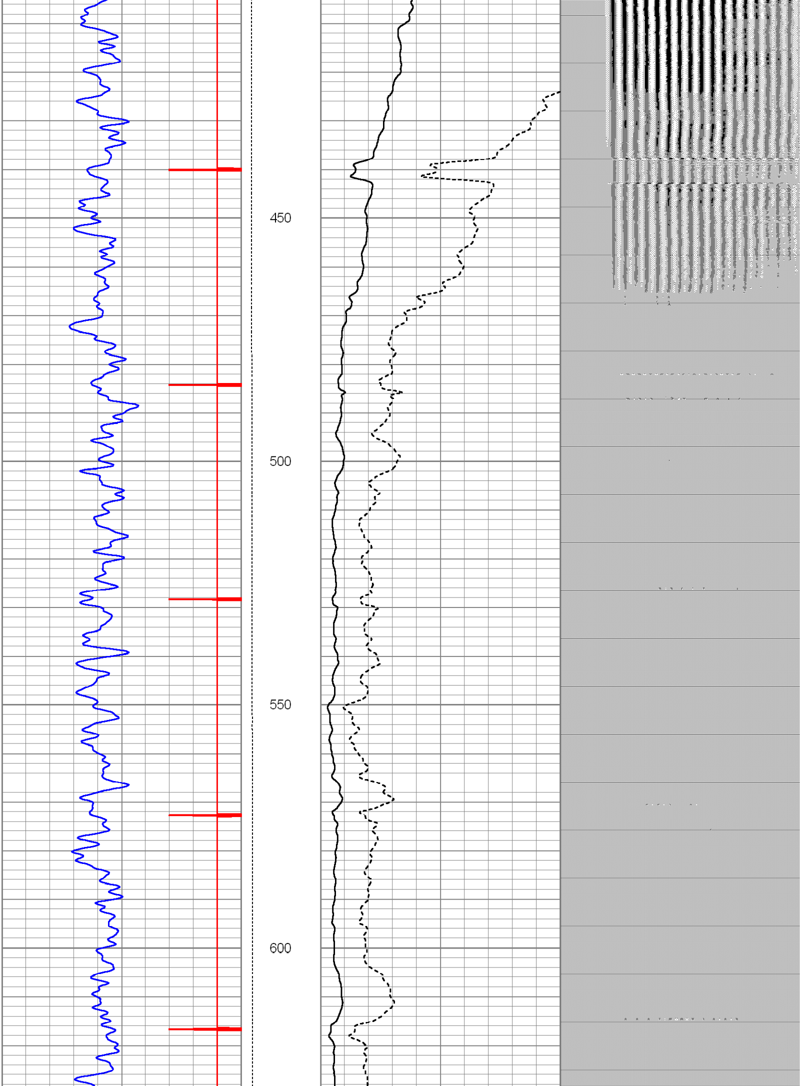
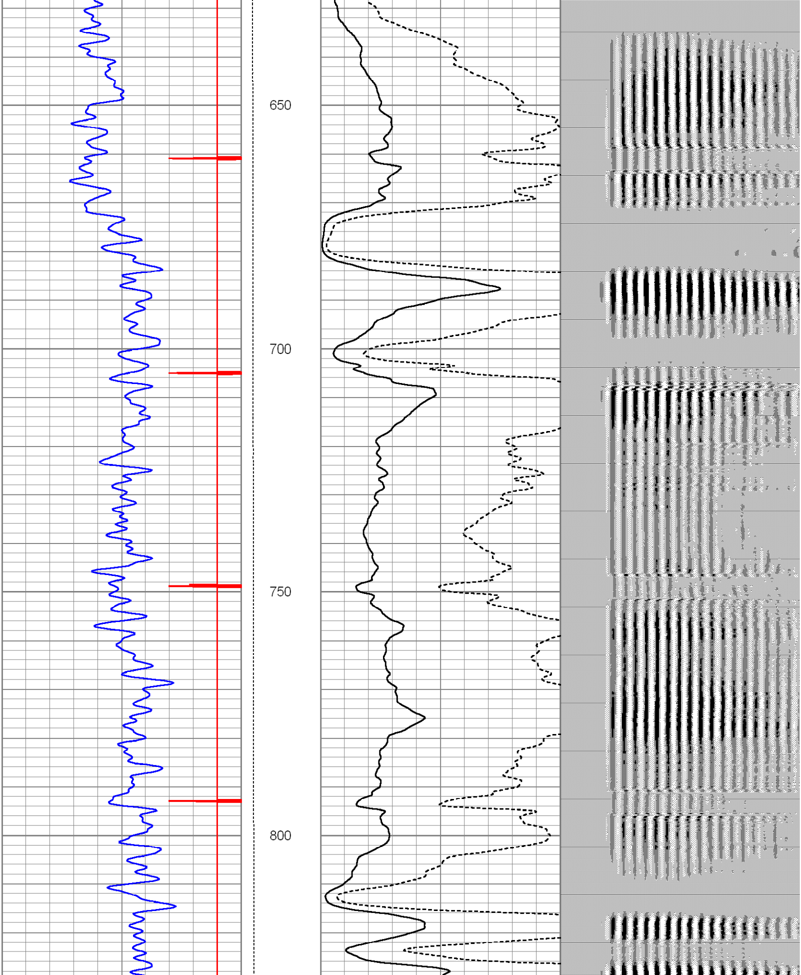
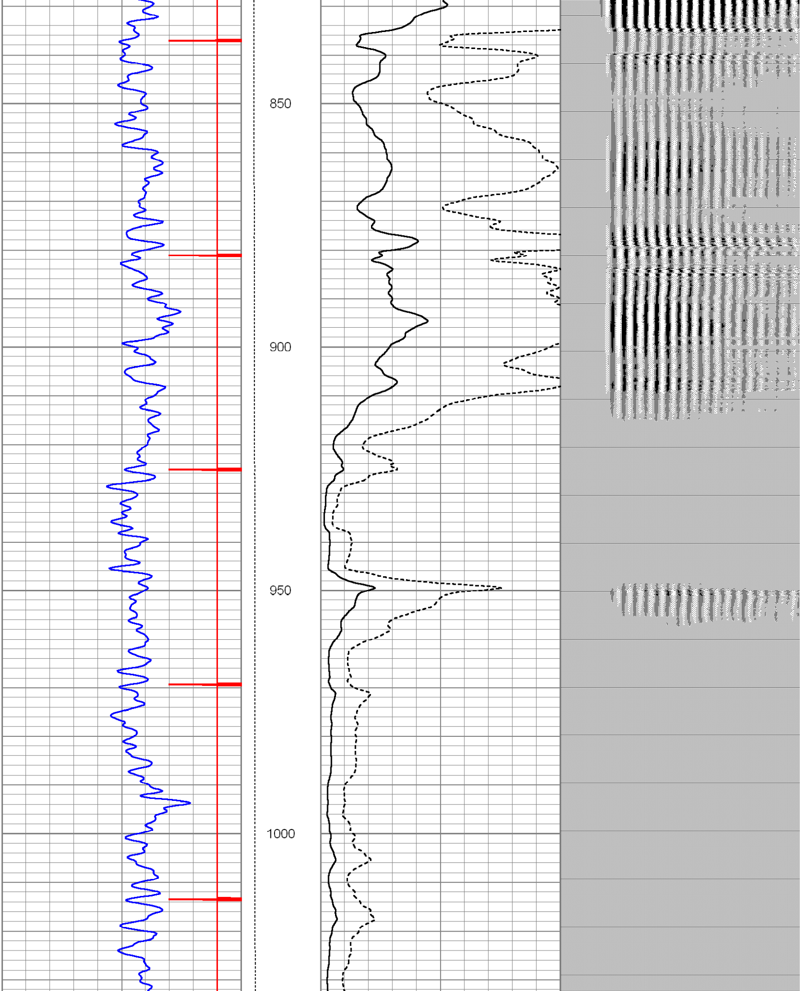
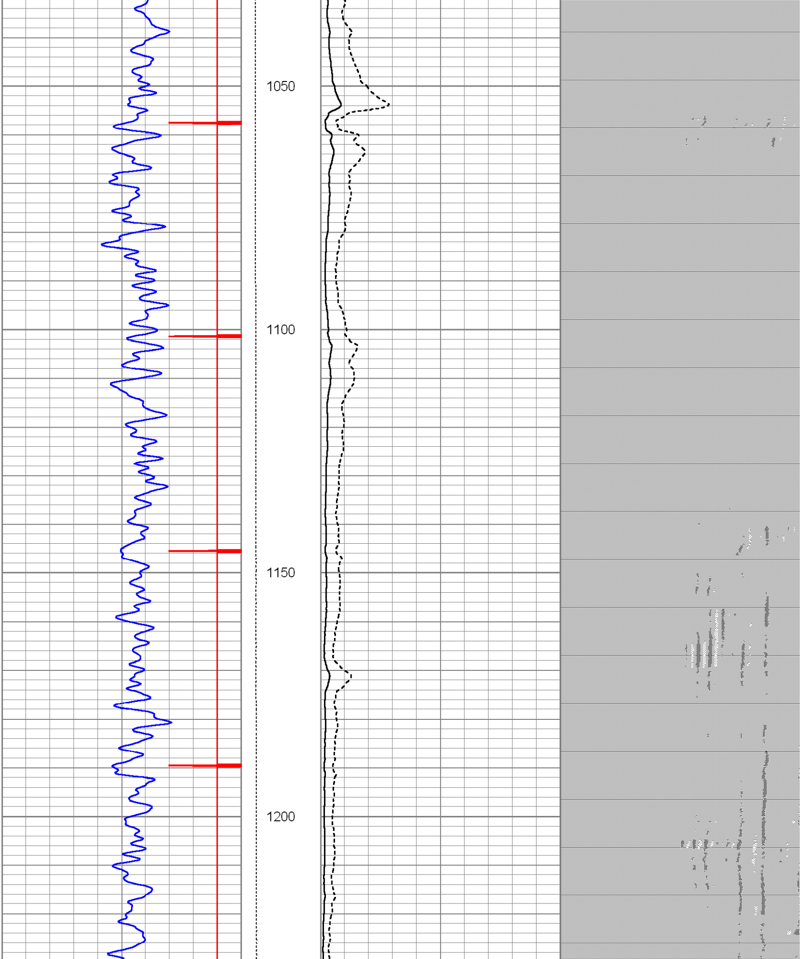
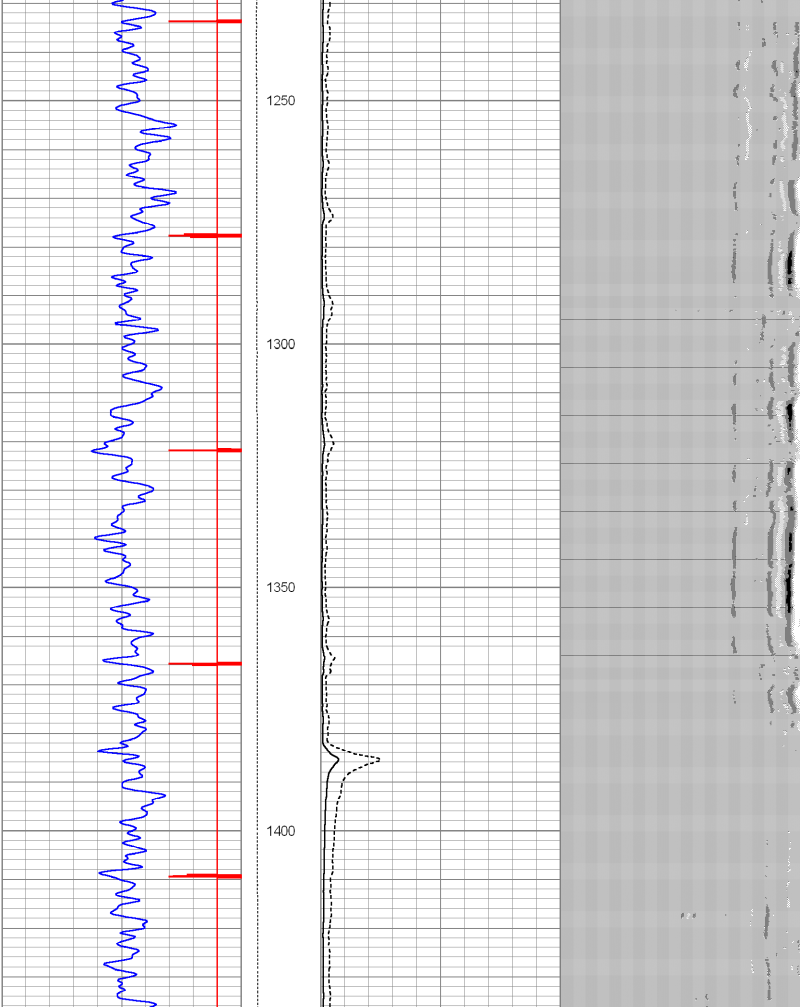
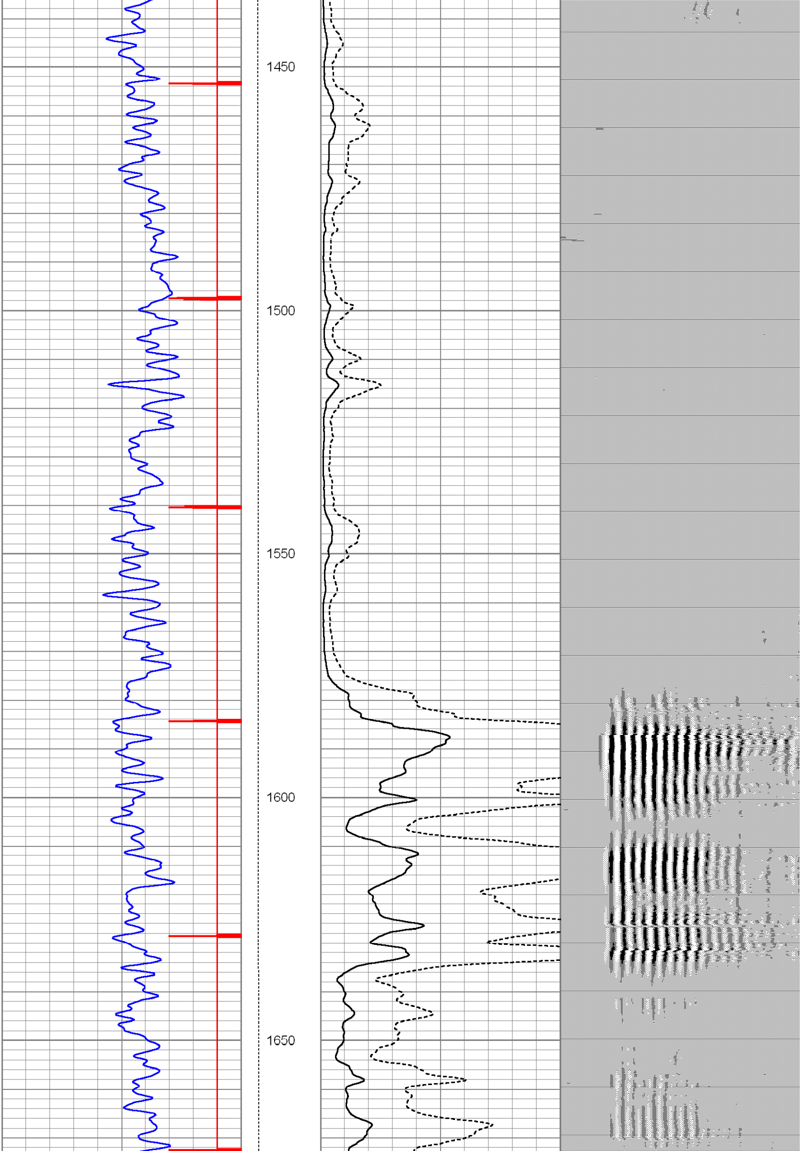
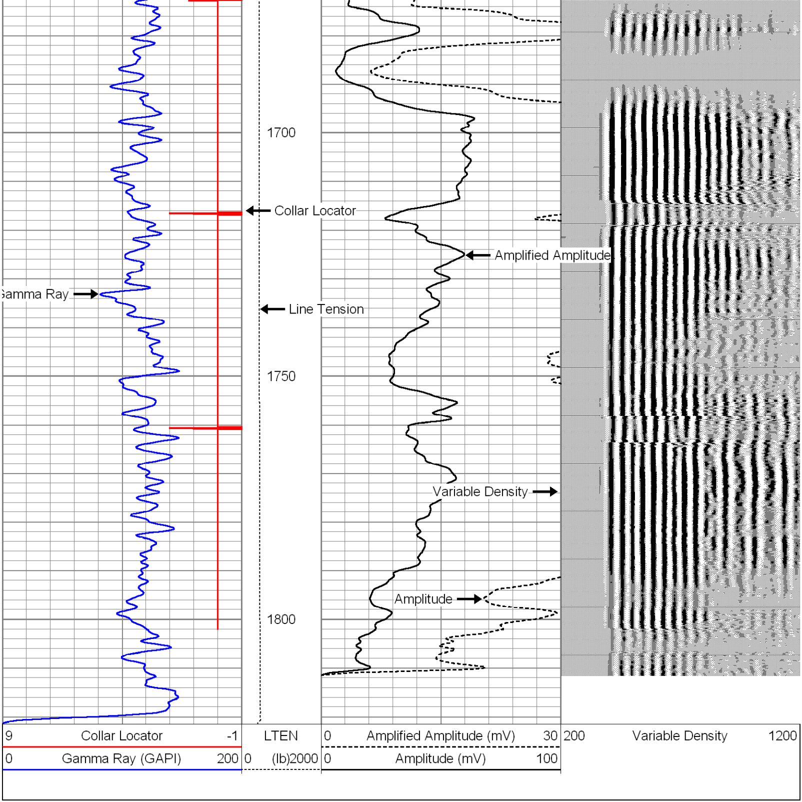
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 MEASURED FROM GROUND LEVEL
SO # 2-204049
THANK YOU FOR USING PIONEER ENERGY SERVICES

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.31		CCL-titan01 (01t)	1.92	2.75	
			SDSCENT Centralizer for testing	3.00	3.25	20.00
WVF3	10.92		CBL-Probe (050215) Probe 2.75" Dual Receiver Bond	8.75	2.75	60.00
WVF5	9.92					
			SDSCENT Centralizer for testing	3.00	3.25	20.00
			GR-probe 2.75 (51013)	3.67	2.75	100.00
GR	1.13					

Dataset:	bella federal 37-7 cbl.db: field/well/run1/pass2
Total Length:	20.33 ft
Total Weight:	200.00 lb
O.D.	3.25 in

Database File: bella federal 37-7 cbl.db
Dataset Pathname: pass2
Presentation Format: cbl_dr
Dataset Creation: Tue Jun 04 07:17:38 2013 by Log SCH 110722
Charted by: Depth in Feet scaled 1:240