KLX Energy Services

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

Company	PDC ENERGY
Well	STATE WELLS #14-4
Field	WATTENBERG
County	WELD
State	COLORADO

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Location: API # : 05.123.19431

655 FSL & 655FWL
SWSW

SEC 4 TWP 5N RGE 63W

Other Services

Permanent Datum	GL	Elevation	4737'
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4746'
D.F. 4746'
G.L. 4737'

Date	7-APR-2017		
Run Number	ONE		
Depth Driller	7036'		
Depth Logger	2092'		
Bottom Logged Interval	2092'		
Top Log Interval	SURFACE		
Open Hole Size	7-7/8"		
Type Fluid	WATER		
Density / Viscosity	8.34PPG		
Max. Recorded Temp.	128°		
Estimated Cement Top	SURFACE		
Time Well Ready	AM		
Time Logger on Bottom	7:45AM		
Equipment Number	411468		
Location	STERLING		
Recorded By	LEROY HOBBS		
Witnessed By	ELOY COSSIO		

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	3.5"	9.3#	SURFACE	7036'
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.

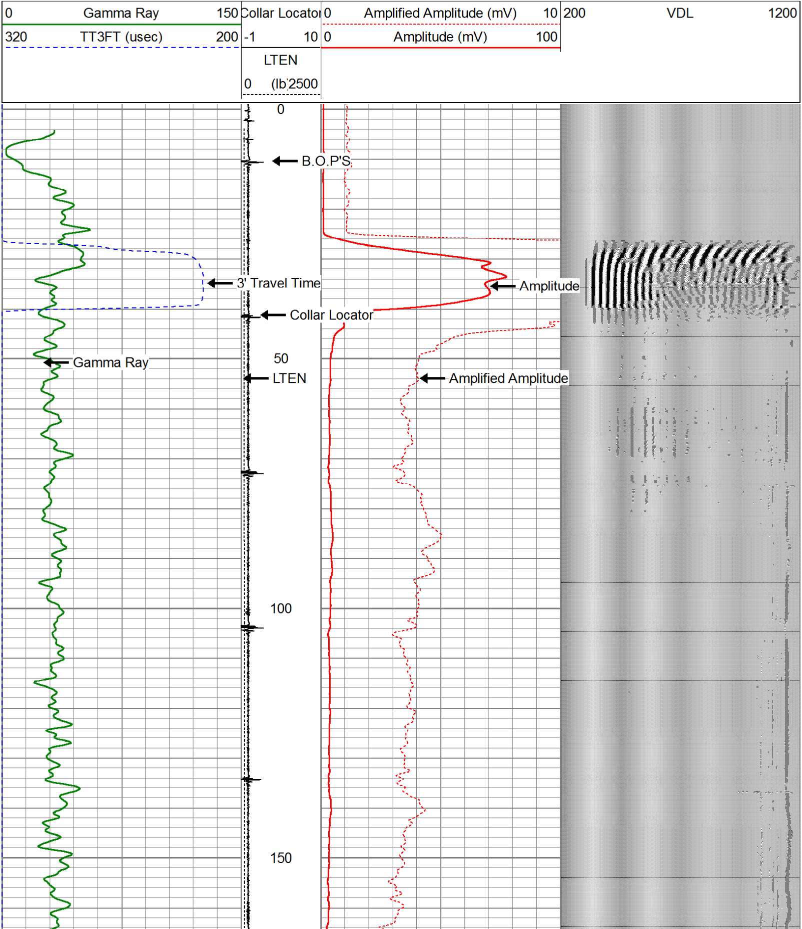
Comments

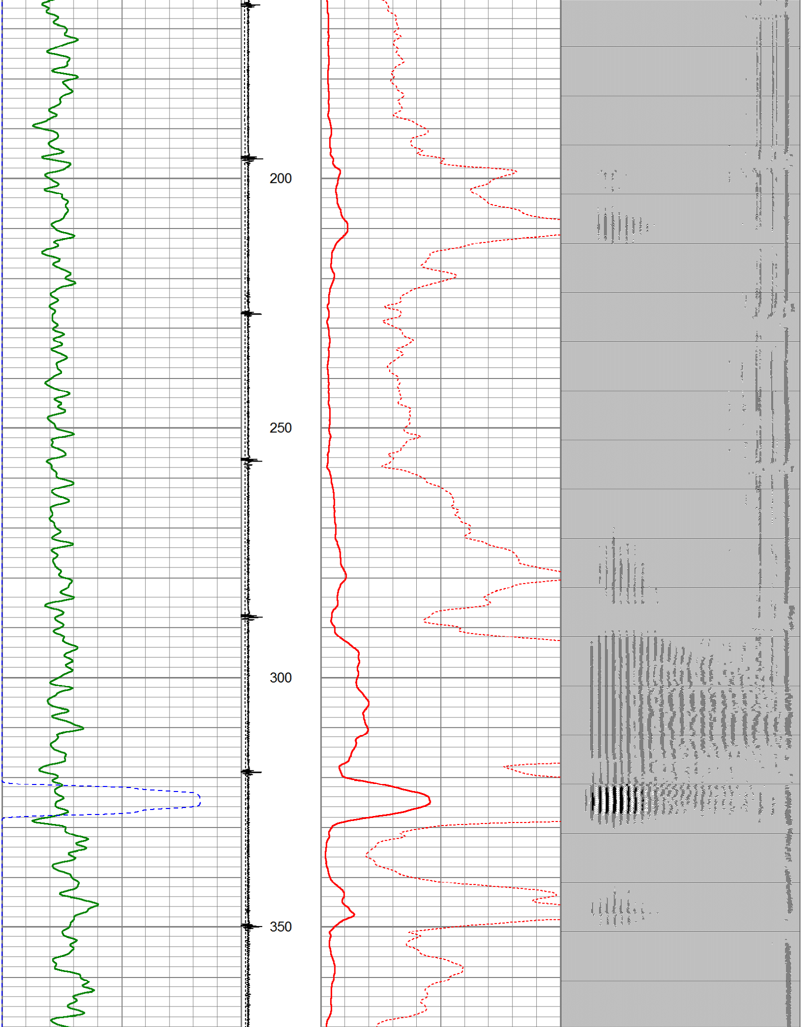
THANK YOU FOR USING KLX ENERGY SERVICES.

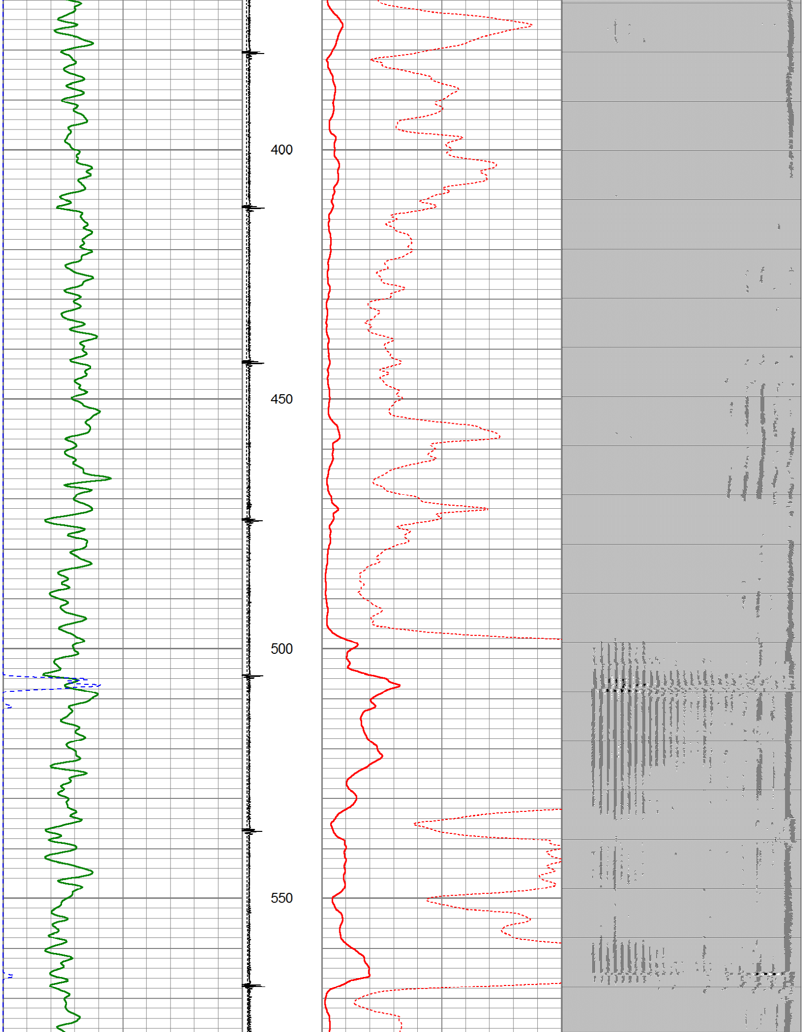
PDC ENERGY

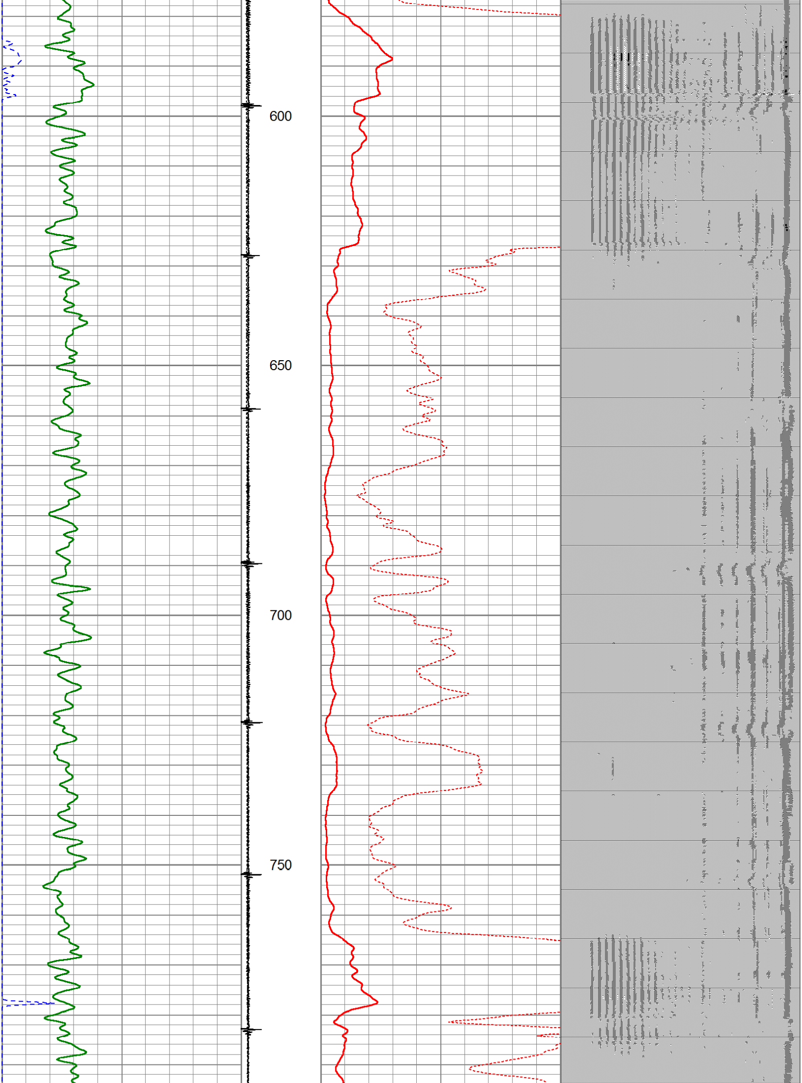
STATE WELLS #14-4

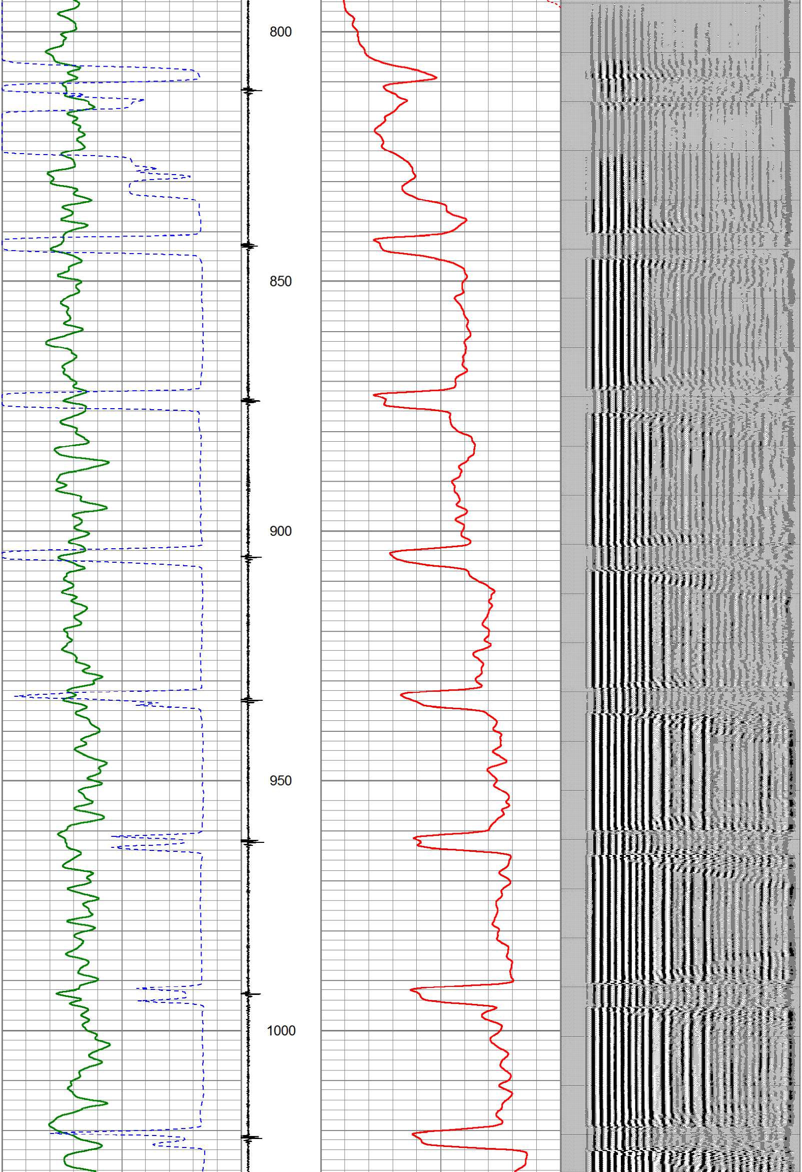
Database File: state_wells_#14-4_cbl1.db
Dataset Pathname: pass1
Presentation Format: scbl_dr
Dataset Creation: Fri Apr 07 08:06:47 2017 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

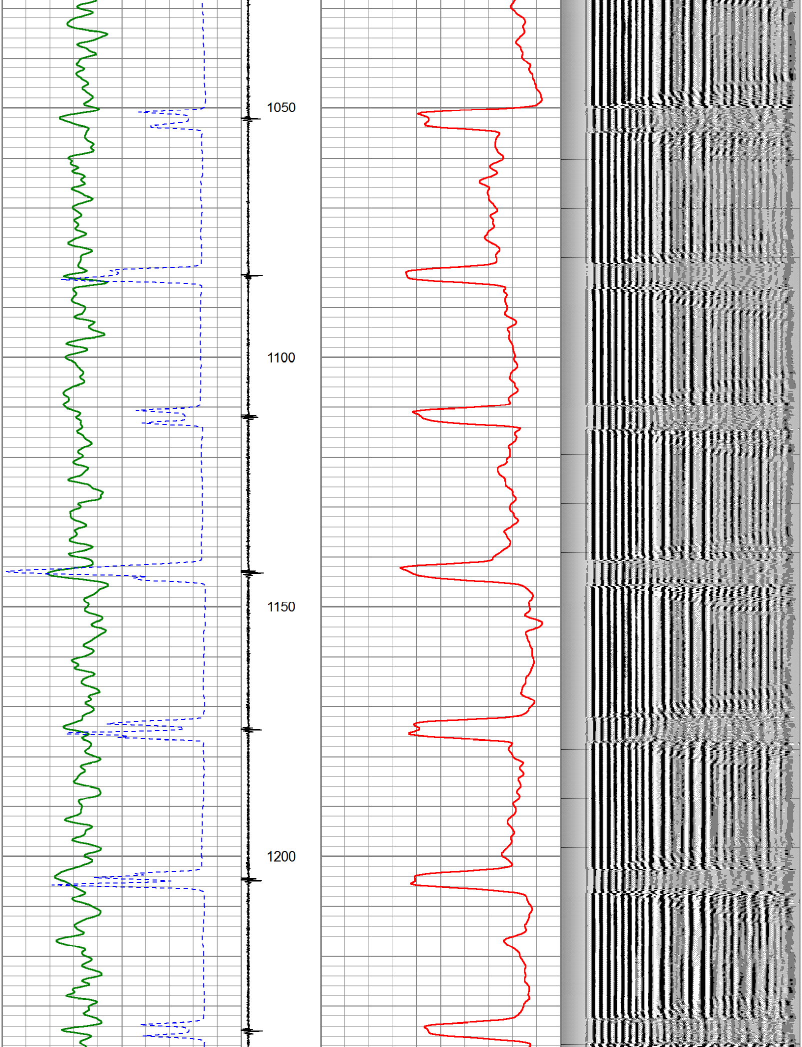


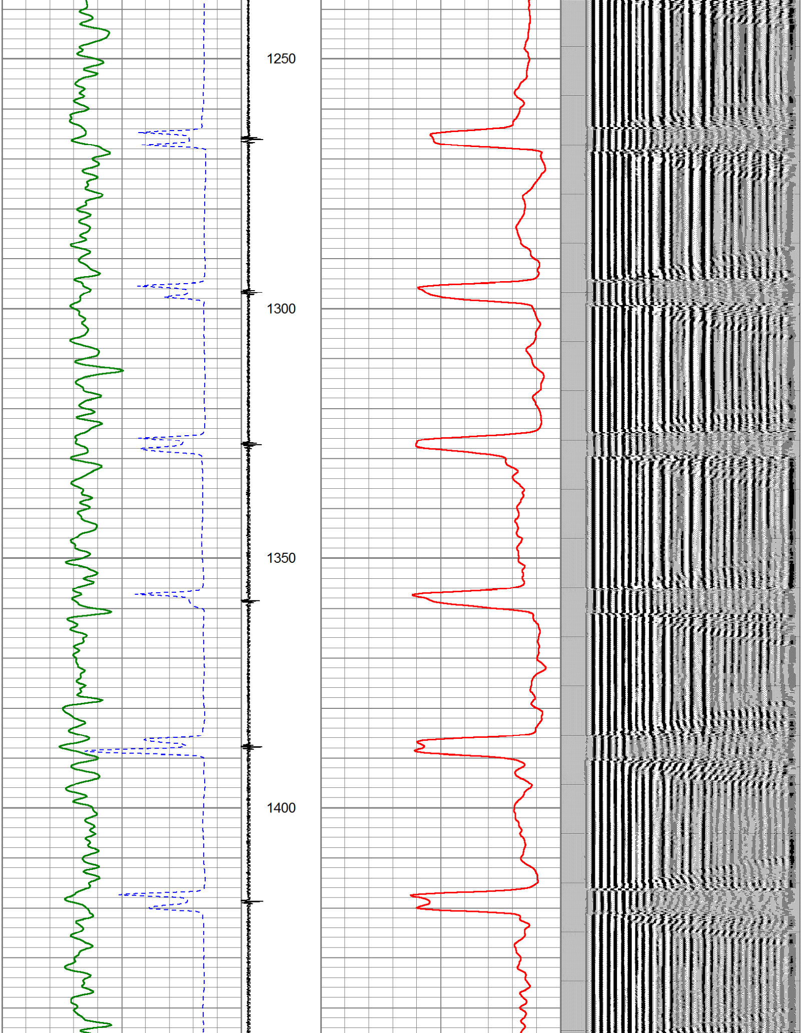


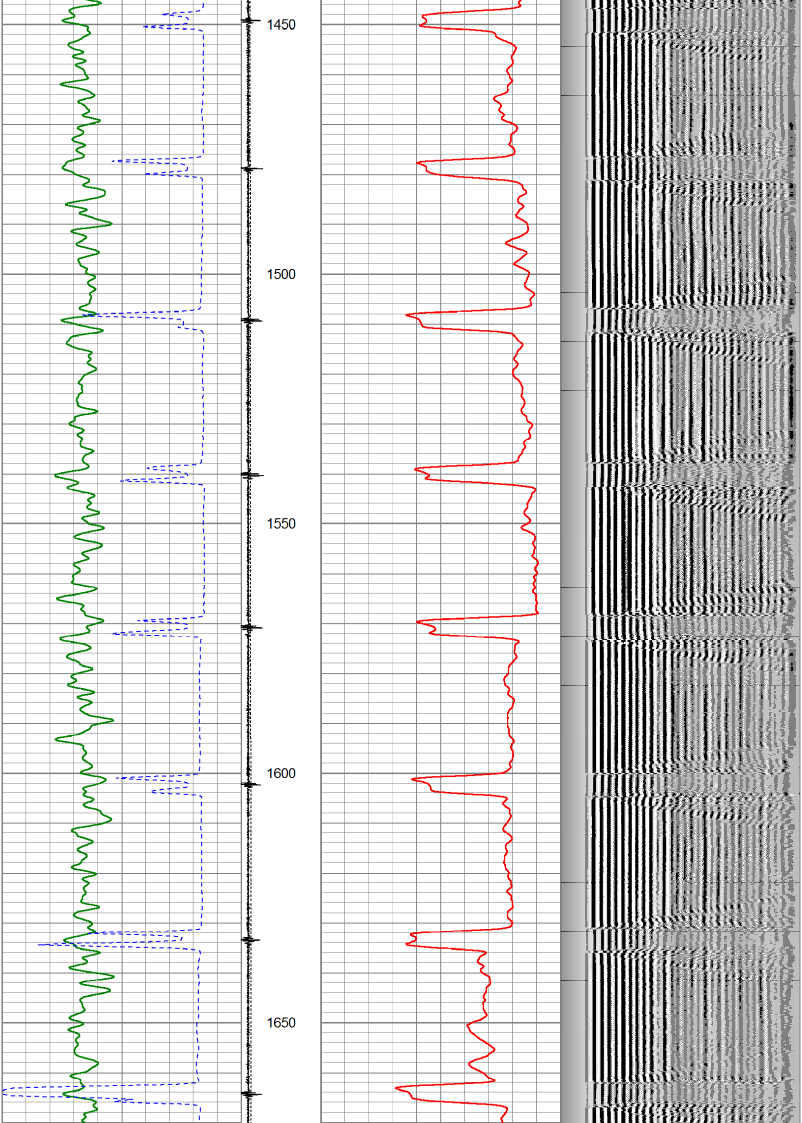


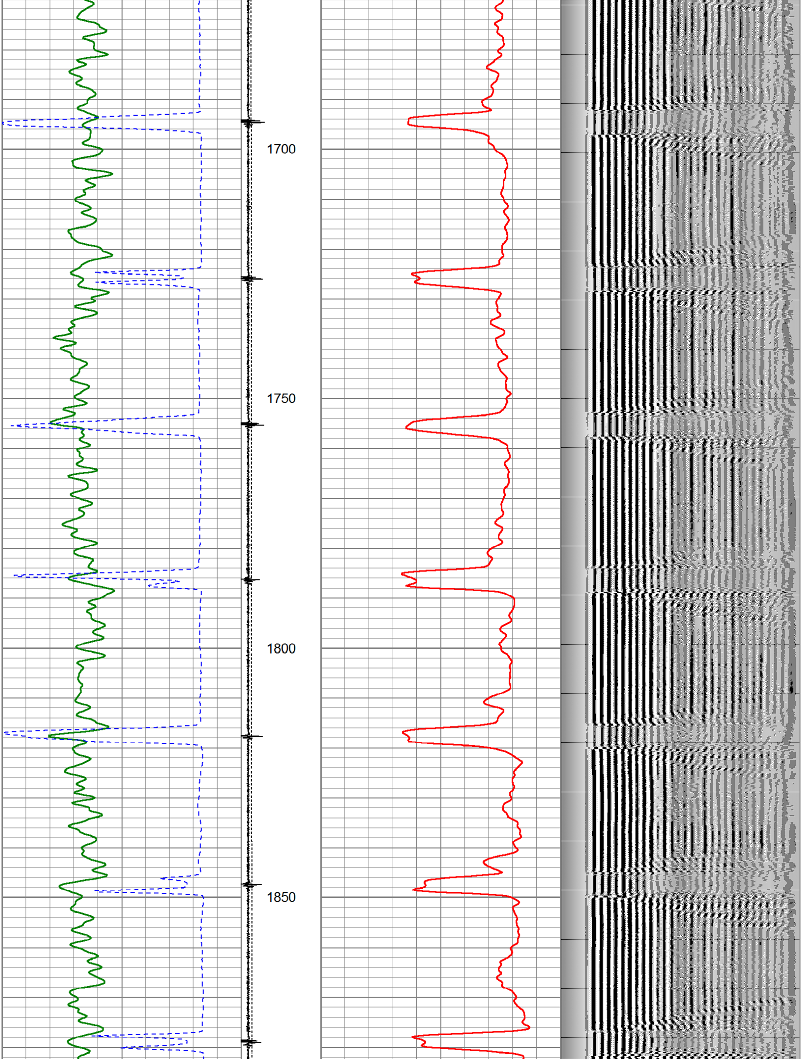


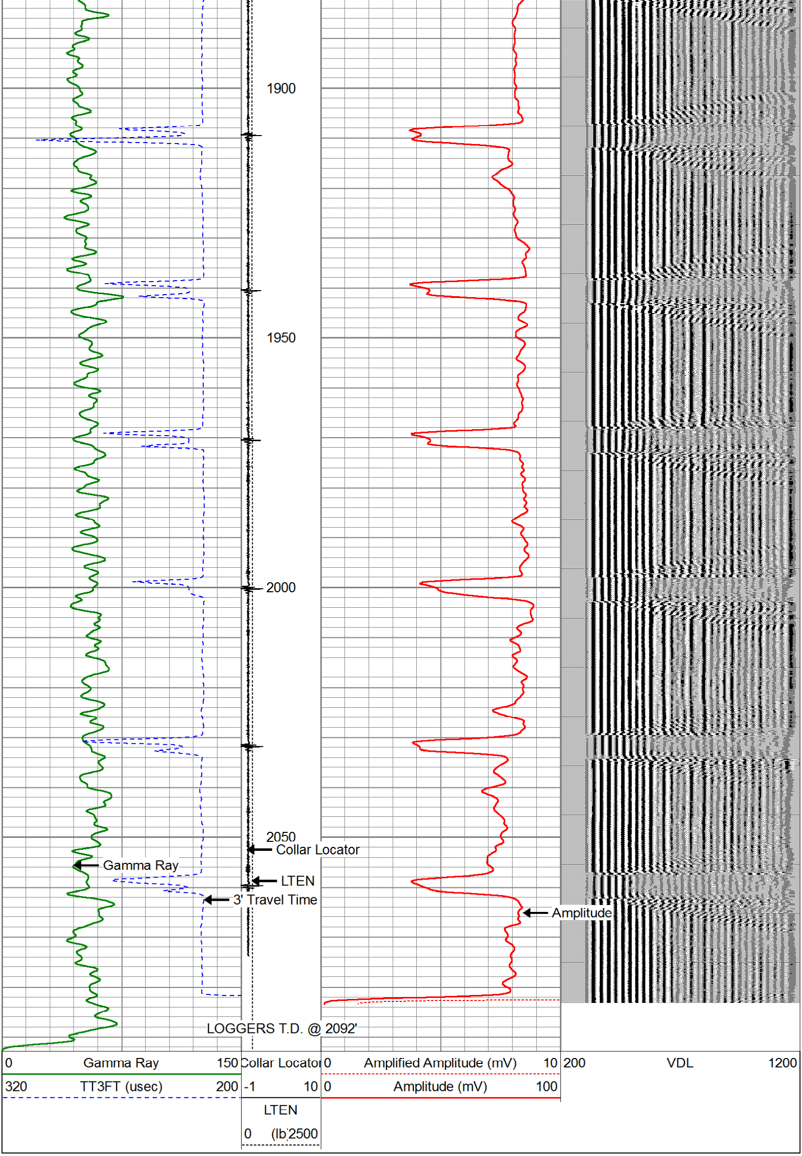


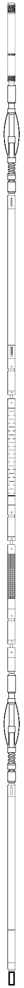










Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	18.86		CCL-168tekco (001) TEKCO 1 11/16" 450 Deg. F CCL	1.67	1.69	9.00
			1.69 1 11/16" Tekco Adjustable Centralizer	2.21	1.69	10.00
TEMP	12.80					
			CBLTEKCO-168 1x2 w Temp (Del) (010) Tekco 1 11/16" 400 Deg F Dual Receiver with Temp	9.75	1.69	52.00
WVF3FT	10.72					
WVFCAL	10.72					
WVF5FT	9.72					
WVFTEMP	6.30					
WVFSYNC	6.30					
			1.69 1 11/16" Tekco Adjustable Centralizer	2.21	1.69	10.00
			GR-Tek-Co (168) TEKCO 1 11/16" 400 Deg. F Scintillation Logging Gamma Ray	3.82	1.68	18.00
GR	1.27					
			1.4375_Cap Titan 1 7/16" Cap	0.27	1.44	1.00

Dataset:	state_wells_#14-4_cbl1.db: field/well/run1/pass1
Total Length:	19.93 ft
Total Weight:	100.00 lb
O.D.	1.69 in