C&J ENERGY SERVICES

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

Company	KP KAUFFMAN COMPANY,INC.
Well	JOHNSTON # 20-1
Field	WATTENBERG
County	WELD
State	COLORADO

Company KP KAUFFMAN COMPANY,INC.
Well JOHNSTON # 20-1
Field WATTENBERG
County WELD **State** COLORADO

Location: API # :
1500'FSL&1100'FEL
SEC 20 TWP 1N RGE 65W

Other Services

Permanent Datum	G.L.	Elevation 4991	Elevation K.B. 5001 D.F. N/A G.L. 4991
Log Measured From	K.B.		
Drilling Measured From	K.B.		

Date	AUGUST-14-2018	31-AUGUST -2018
Run Number	ONE	TWO
Depth Driller	7950	7950
Depth Logger		1503
Bottom Logged Interval	7500	1501
Top Log Interval	-0-	SURFACE
Casing Size		4.5"
Type Fluid		WATER
Max. Recorded Temp.		NOT RECORDED
Estimated Cement Top		---
Time Well Ready		ROA
Time Logger On Bottom		0900
Unit Number	923827	923827
Tool Size / ID Number	1 11/16 PROBE	1 11/16 PROBE
Location	STERLING	STERLING
Recorded By	R.GARDNER	JIM McKIE
Witnessed By	RICK RAMOS	MR. RICK RAMOS

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	SURFACE	309
Prot. String				
Production String	4 1/2	11.6	SURFACE	TOTAL DEPTH
Liner				

<<< Fold Here >>>

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

SECOND RUN AFTER SQUEEZE JOB

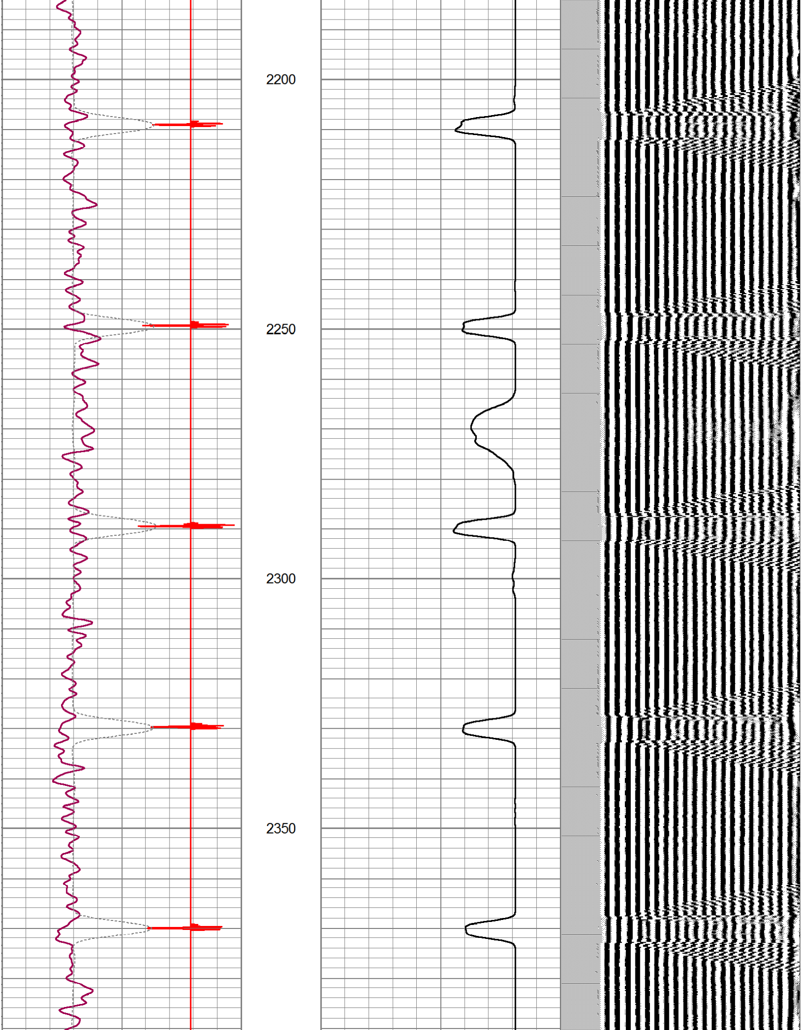
C&J ENERGY SERVICES

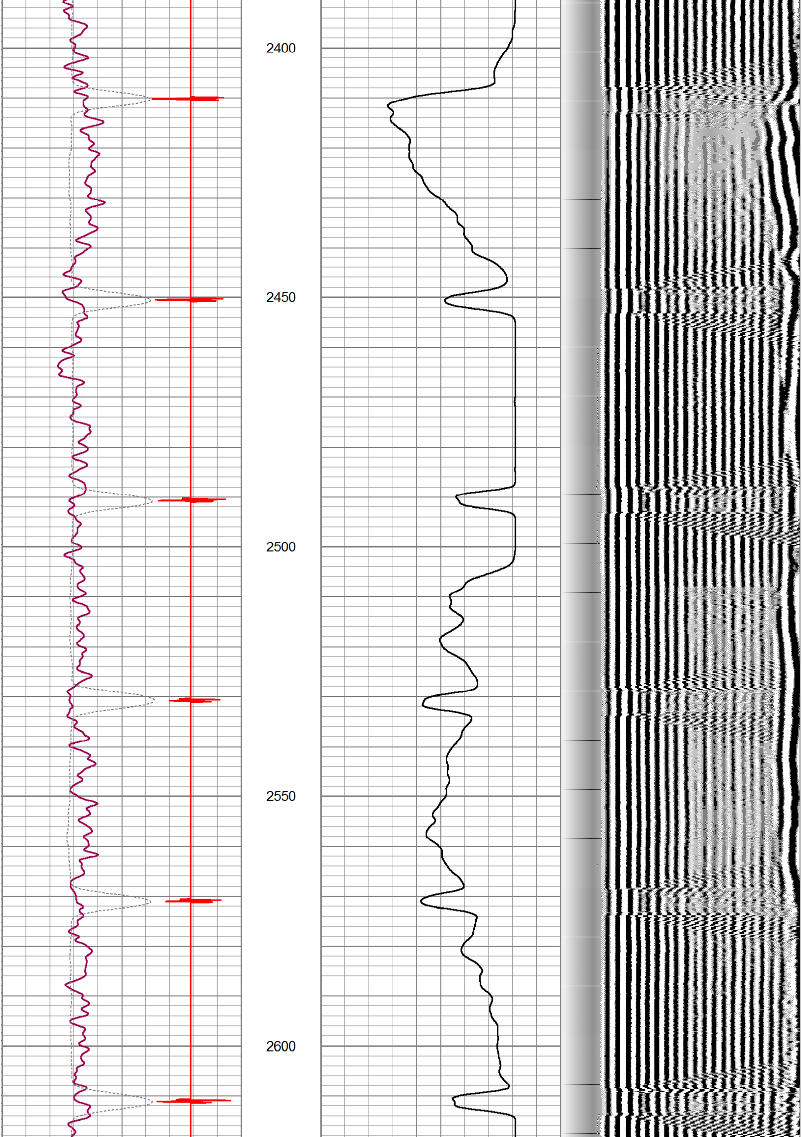
SECOND RUN

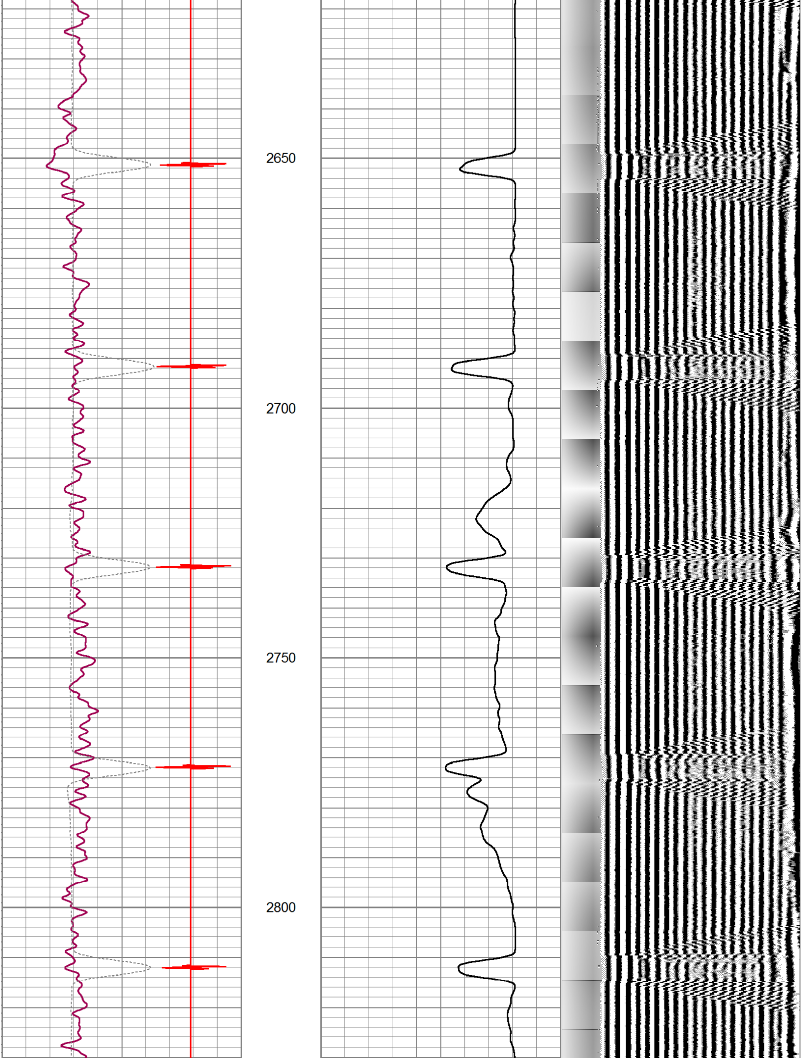
31-AUGUST 2018

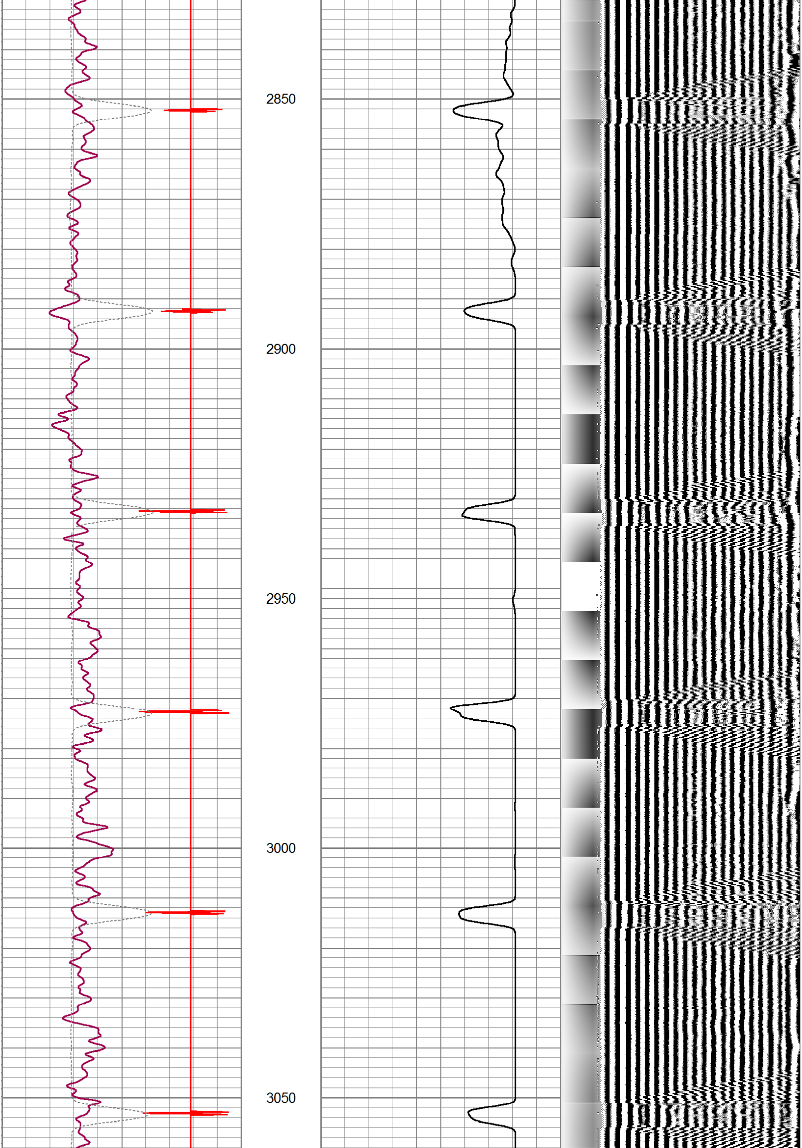
Database File:	johnston 20-1.db
Dataset Pathname:	pass7
Presentation Format:	nuexcbl
Dataset Creation:	Fri Aug 31 09:02:28 2018 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

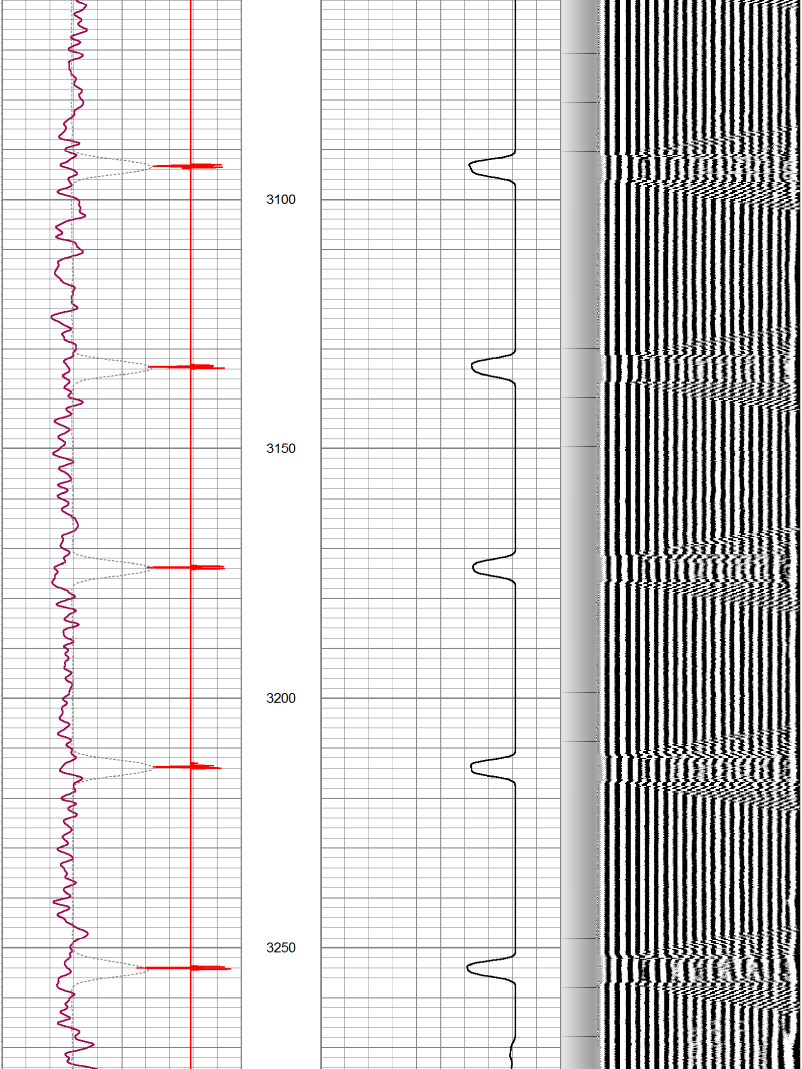
Database File:	johnston 20-1.db
Dataset Pathname:	pass3
Presentation Format:	nuexcbl
Dataset Creation:	Tue Aug 14 14:21:12 2018 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

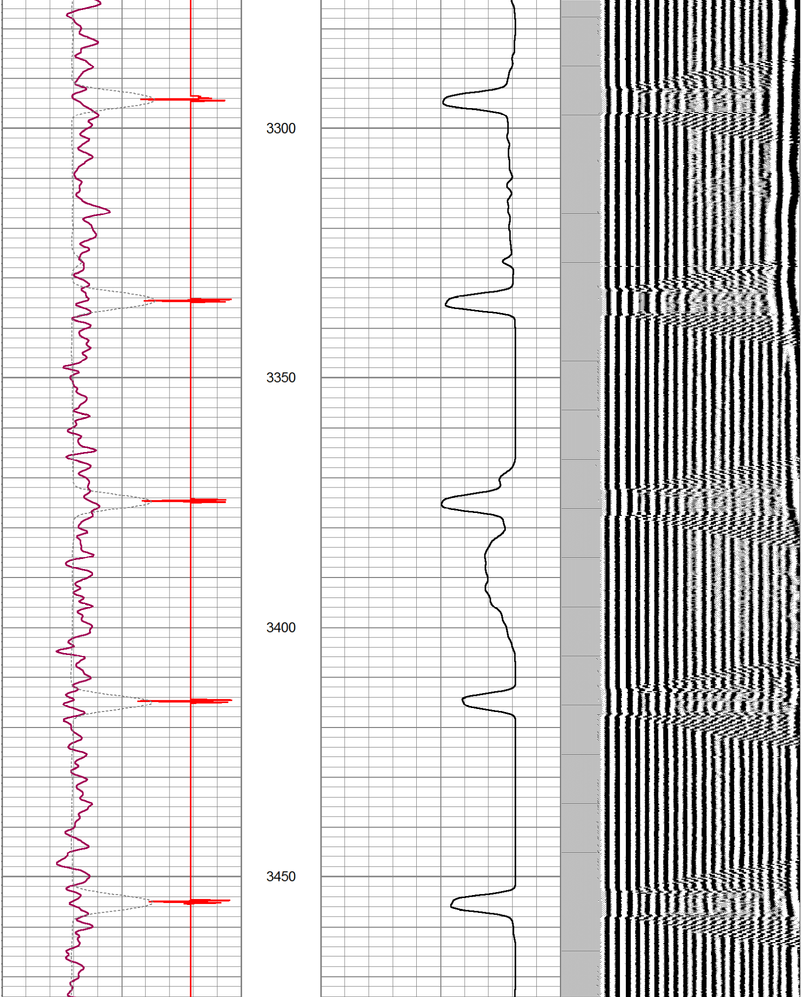

2200
2250
2300
2350

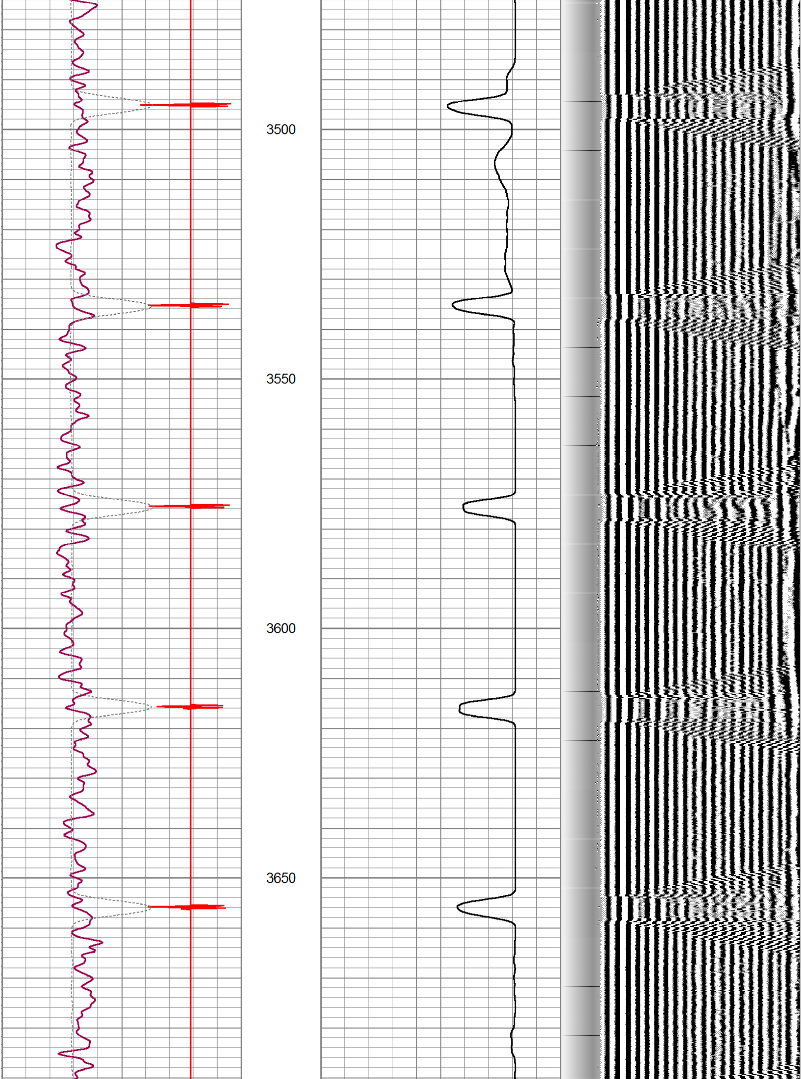

2400
2450
2500
2550
2600

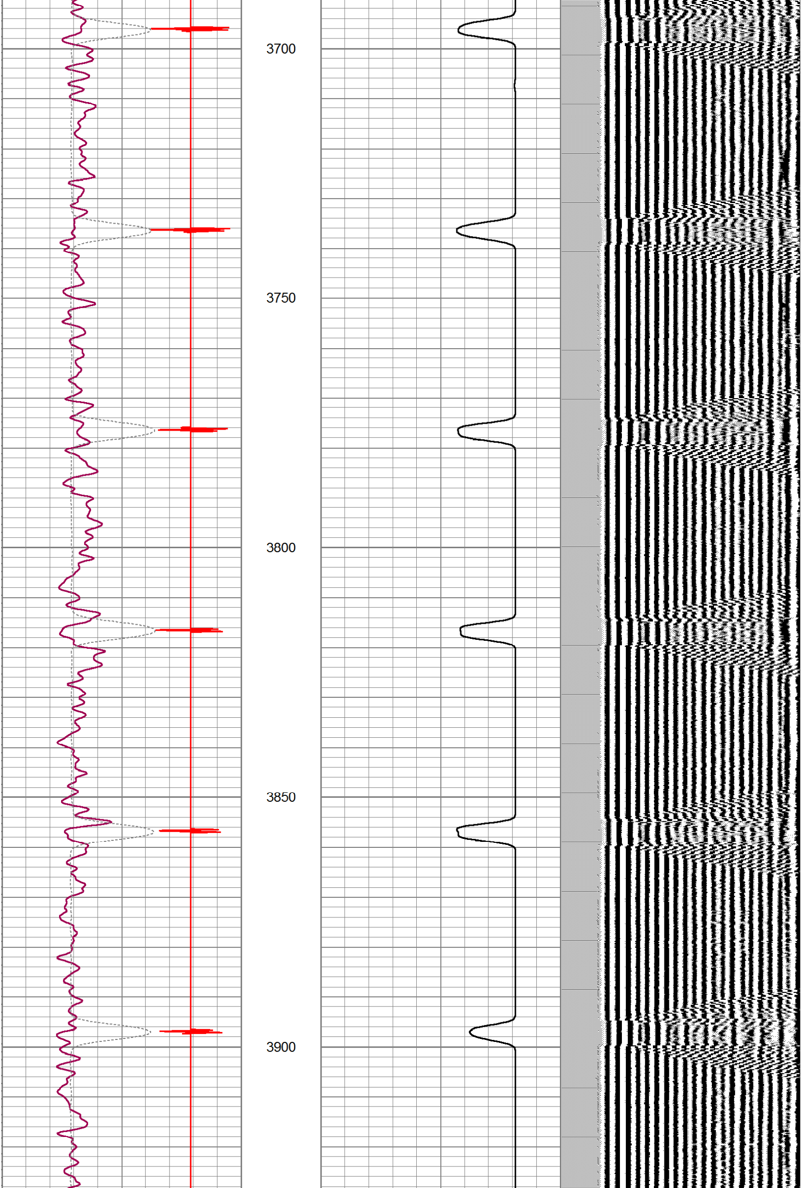

2650
2700
2750
2800

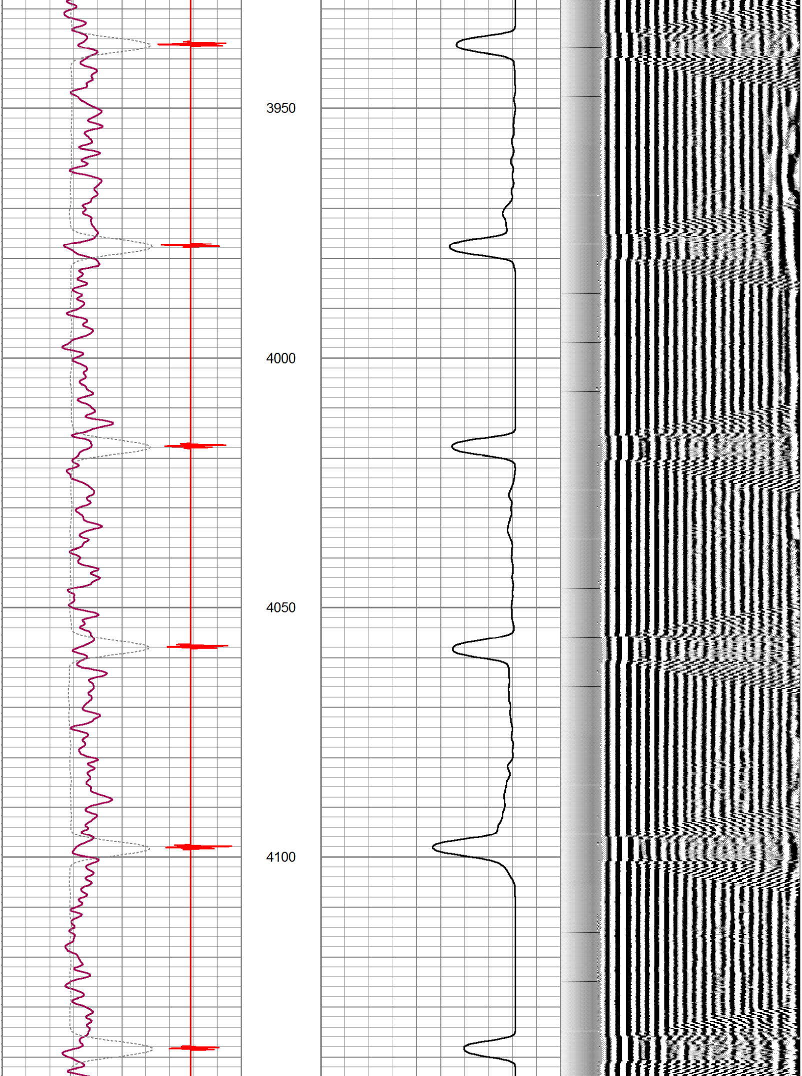

2850
2900
2950
3000
3050

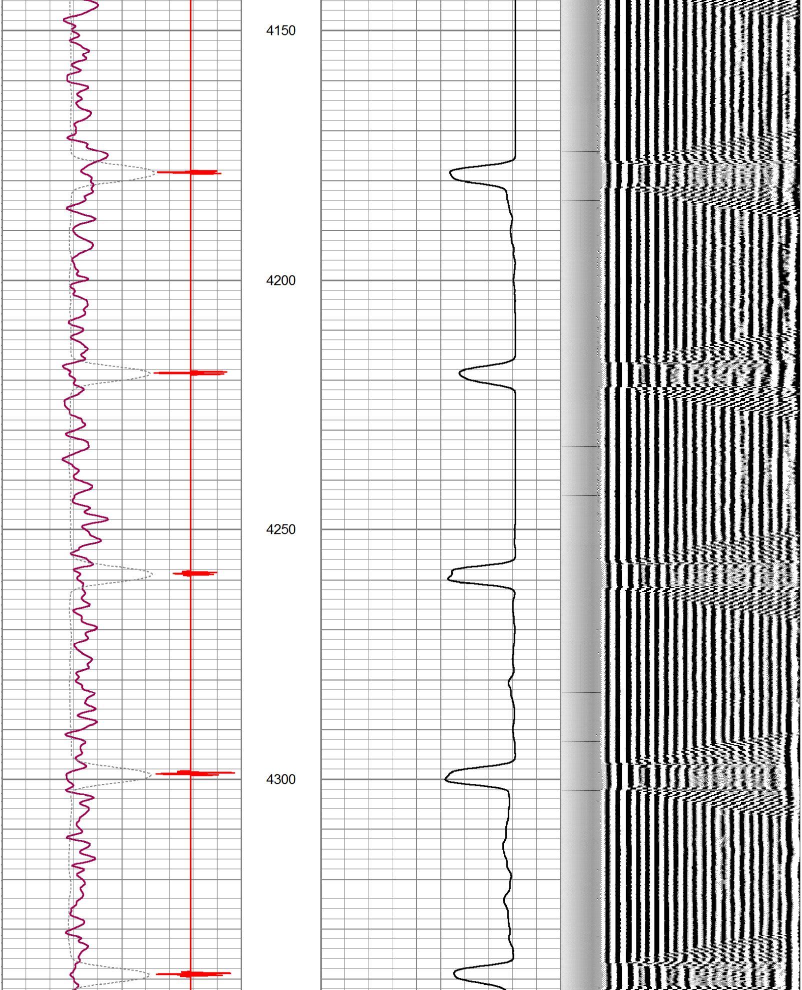

3100
3150
3200
3250

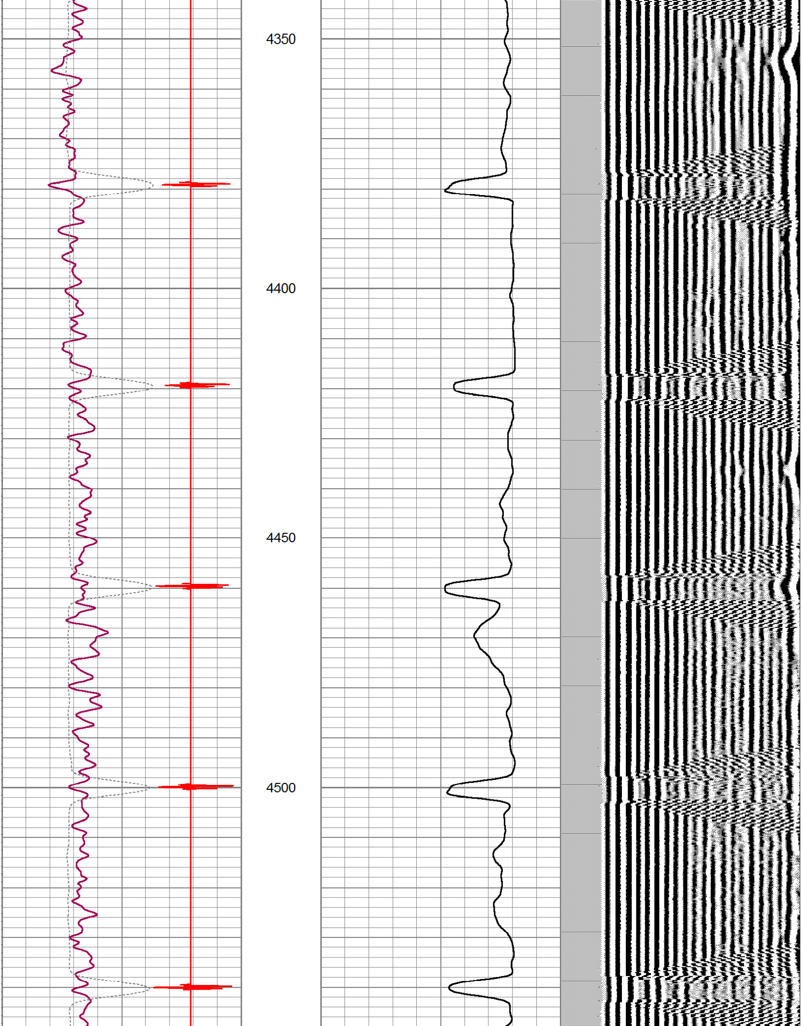

3300
3350
3400
3450

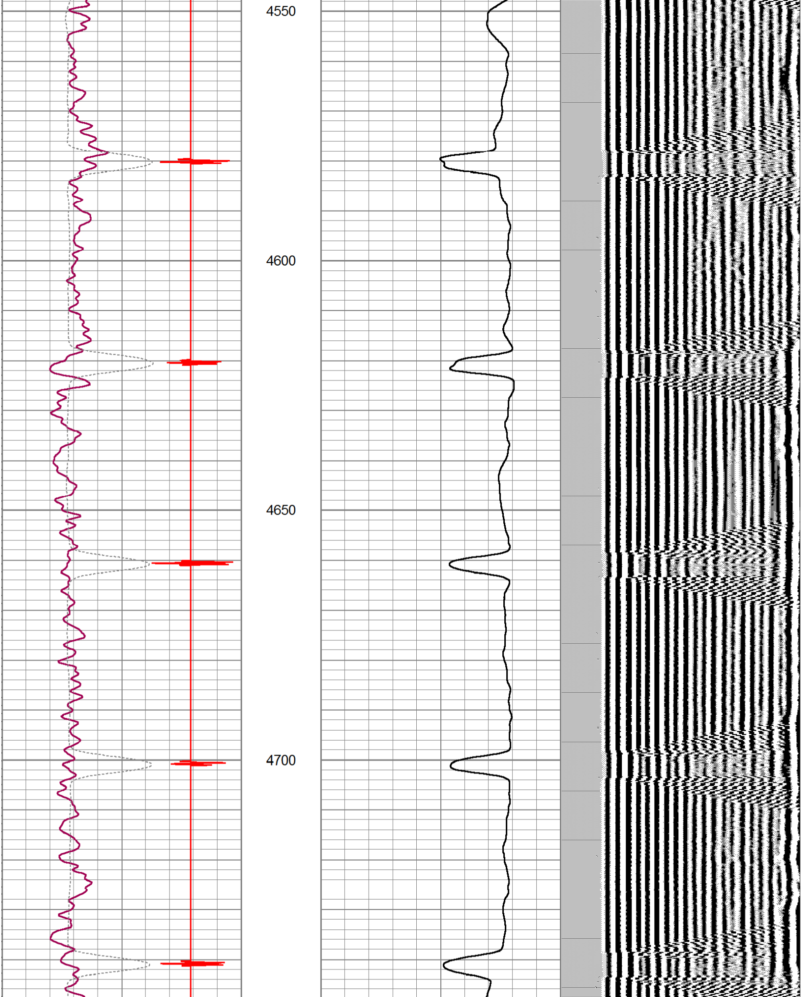

3500
3550
3600
3650

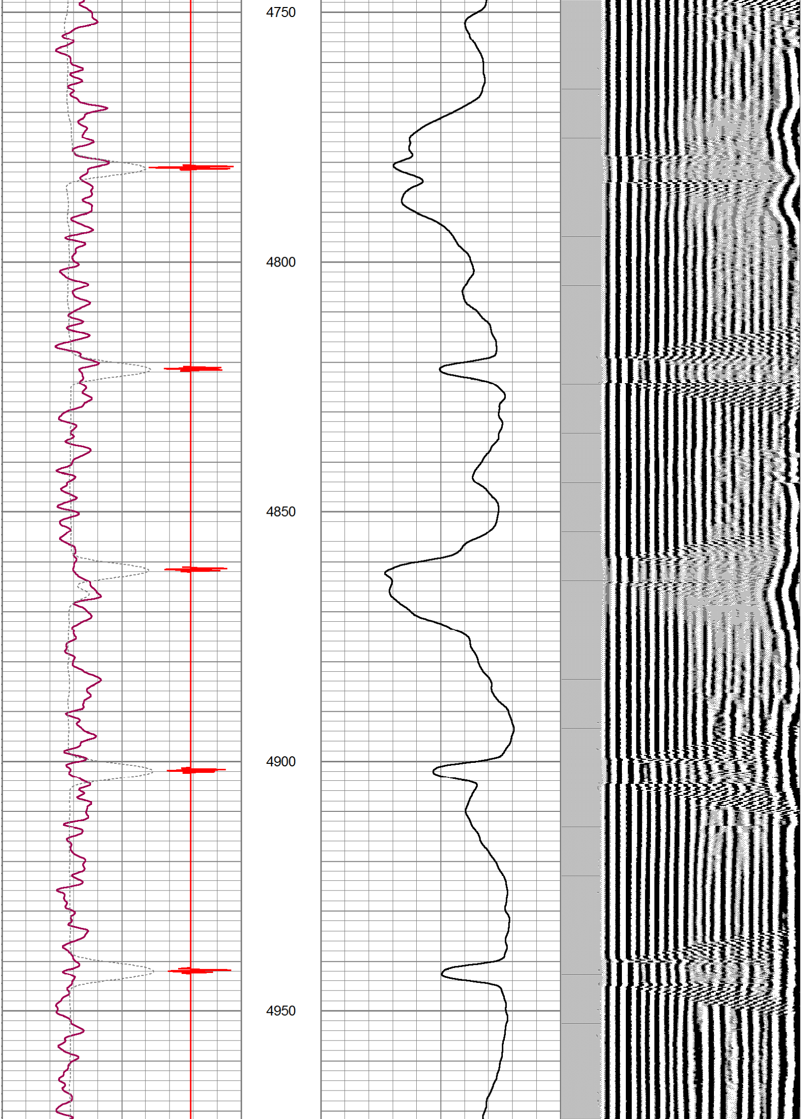

3700
3750
3800
3850
3900

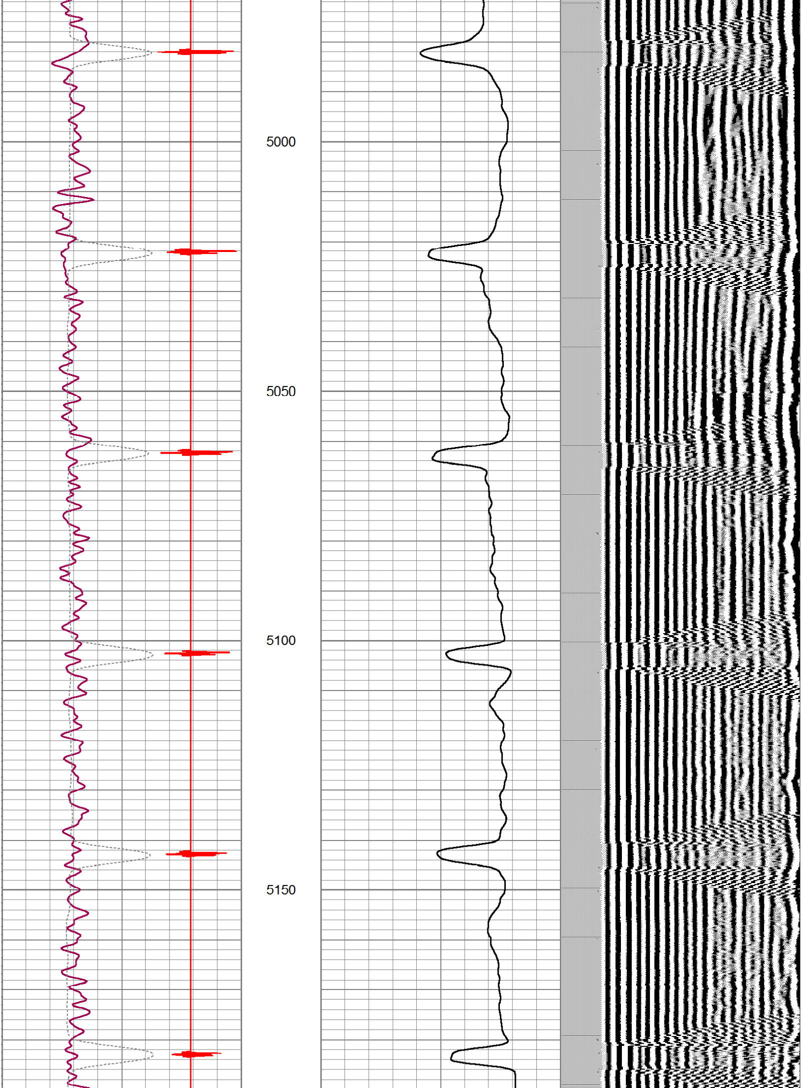

3950
4000
4050
4100

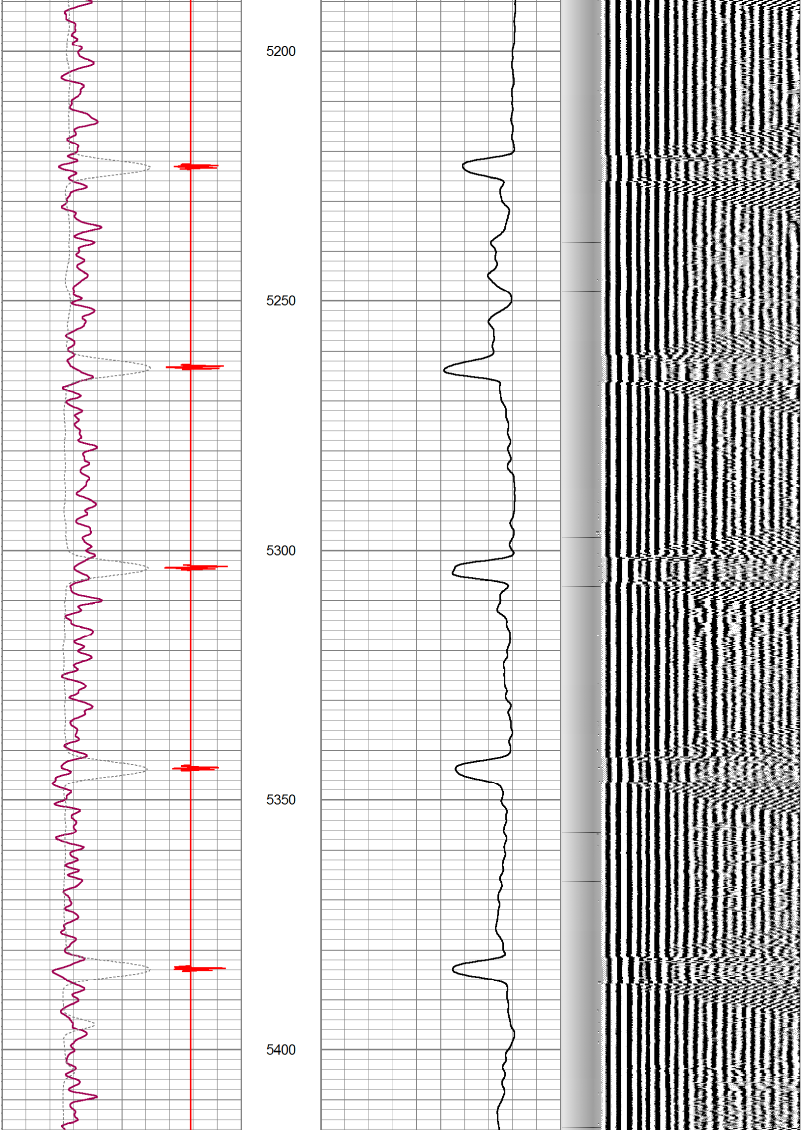

4150
4200
4250
4300

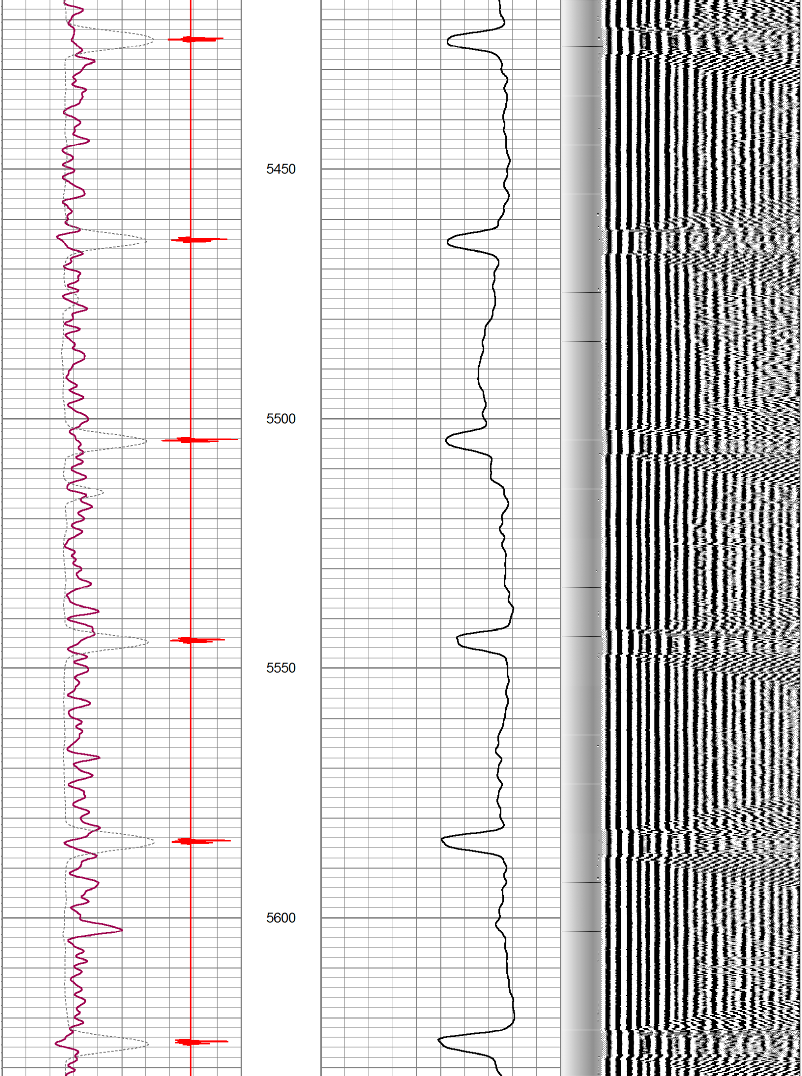

4350
4400
4450
4500

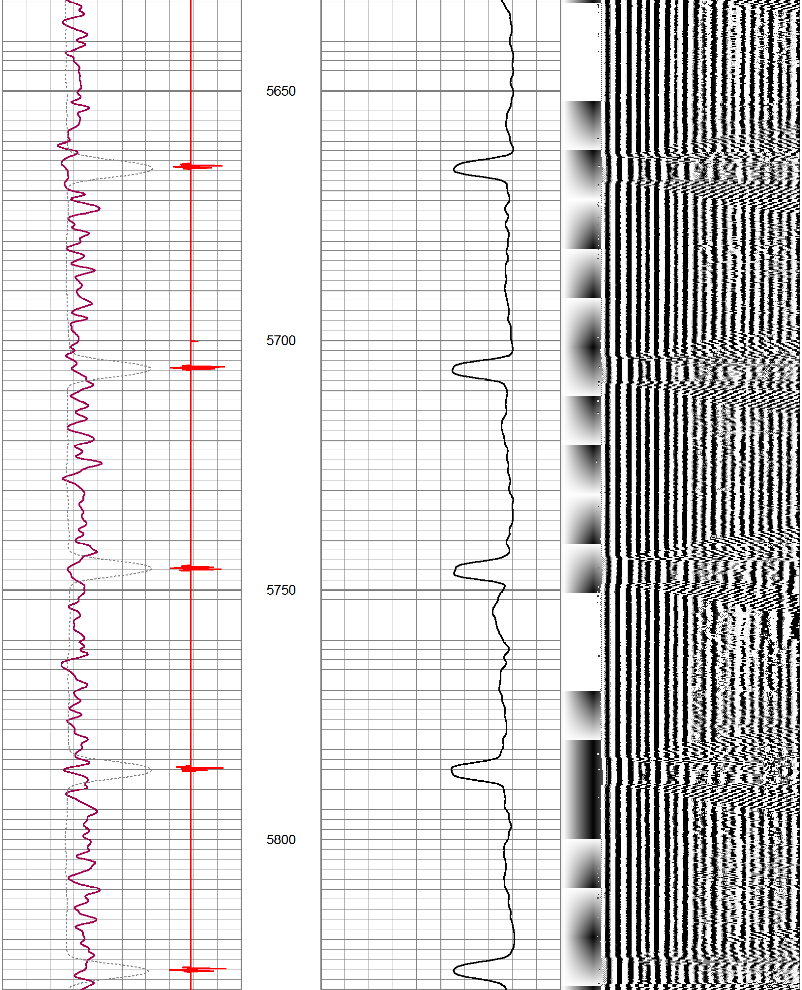

4550
4600
4650
4700

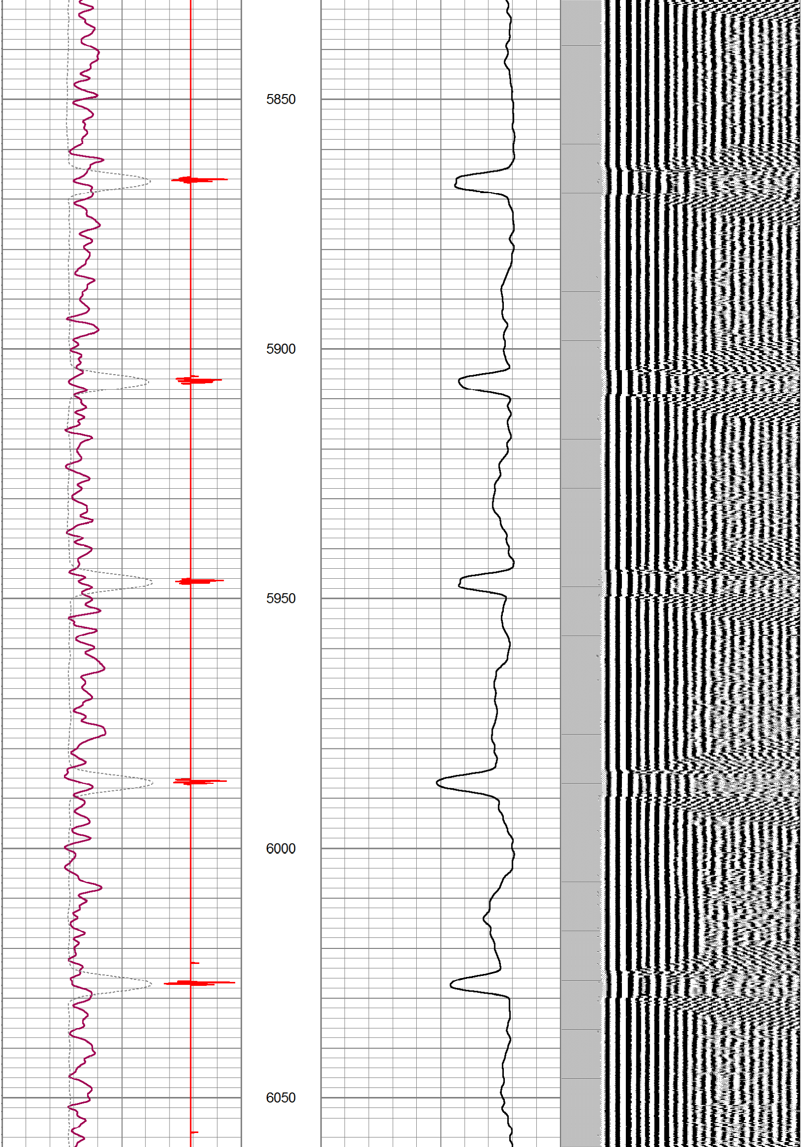

4750
4800
4850
4900
4950

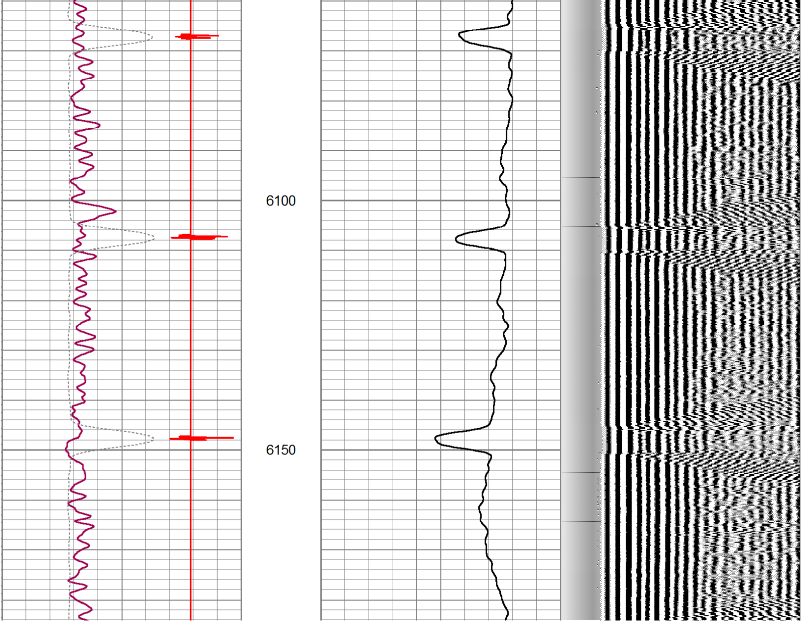

5000
5050
5100
5150


5200
5250
5300
5350
5400


5450
5500
5550
5600


5650
5700
5750
5800


5850
5900
5950
6000
6050


6100
6150

Calibration Report

Database File: johnston 20-1.db
Dataset Pathname: pass7
Dataset Creation: Fri Aug 31 09:02:28 2018 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: CCL/GR / FW1406-009

SHOP CALIBRATION Thu Jun 11 13:08:30 2015

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.7000			GAPI/cps

PRIMARY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Cement Bond Log Calibration Report

Serial Number:	FW1406-029		
Tool Model:	Probe		
Performed:	Fri May 04 08:14:50 2018		
Depth:	5506.16	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	1	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.00275879	0.0026123	V
Reading in Free Pipe:	2.49878	2.49004	V
Gain:	32.1296	32.6426	
Offset:	0.911361	-0.0852723	