gyrodata

CEMENT BOND LOG

Company EXTRACTION O & G
Well KODAK #3
Field WATTENBERG
County WELD State CO

Company	**EXTRACTION O & G**
Well	**KODAK #3**
Field	**WATTENBERG**
County	**WELD**
State	**CO**

API No.: 05-123-37255 Serv #: 1065

Location: **1293' FNL & 1043' FWL**
LAT. 40.461350
LONG. -104.885380

Sec: 27 Twp: 6N Rge: 67W

Other Services
TEMPERATURE
CCL

Permanent Datum	**GROUND LEVEL**	Elevation	**4769'**	Elevation	
Log Measured From	**KB** , **24** Ft. above perm. datum			K.B.	4793'
Drilling Measured From	**KB**			D.F.	4792'
				G.L.	4769'

Date @ Time Logged	28-FEB-15 @ 0200 HRS	Type Fluid in Hole	FRESH WATER
Run No.	ONE	Density of Fluid	8.4 LB/GL
Depth - Driller	16915'	Fluid Level	FULL
Depth - Logger	6600'	Cement Top Est. Logged	35'
Bottom - Logged Interval	6598'	Equipment / Location	GD-114 / CASPER WY
Top - Log Interval	SURFACE	Recorded by	M. FENN
Max. Recorded Temp.	196° F	Witnessed by	H. MCGRAW

CEMENTING DATA	Surface String	Protection String	Production String	Liner
Date / Time Cemented				
Primary / Squeeze				
Expected Compressive Strength	psi@ hrs	psi@ hrs	psi@ hrs	psi@ hrs
Cement Volume				
Cement Type / Weight	/	/	/	/
Formulation				
Mud Type / Mud Wgt.	/	/	/	/

Borehole Record				Casing & Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				9 5/8"	36#	SURFACE	804'
				7"	26#	SURFACE	7510'
				4 1/2"	11.6#	6633'	16910'

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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

Cement Bond Log was the initial log ran on the well dated 2/28/15
Cement top was estimated at 35'
Max temp on bottom was 196° F
Well logged under 900 PSI
Wireline Depth was to 6600' per company man request.
Gamma Survey to surface per procedure.

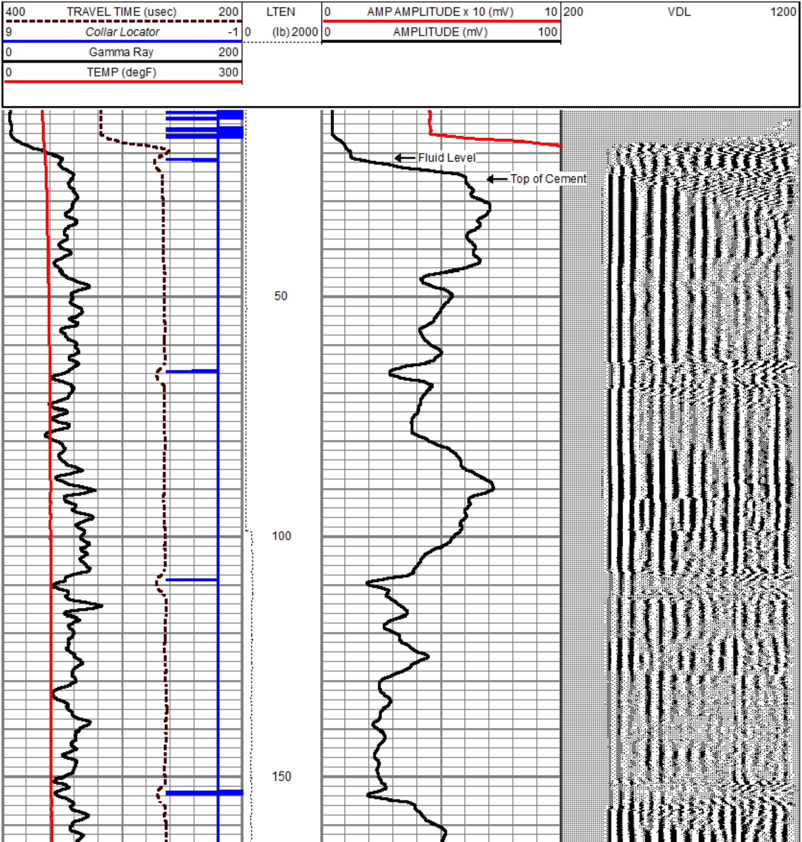
Your crew today was J.Baker, M.Stewart.

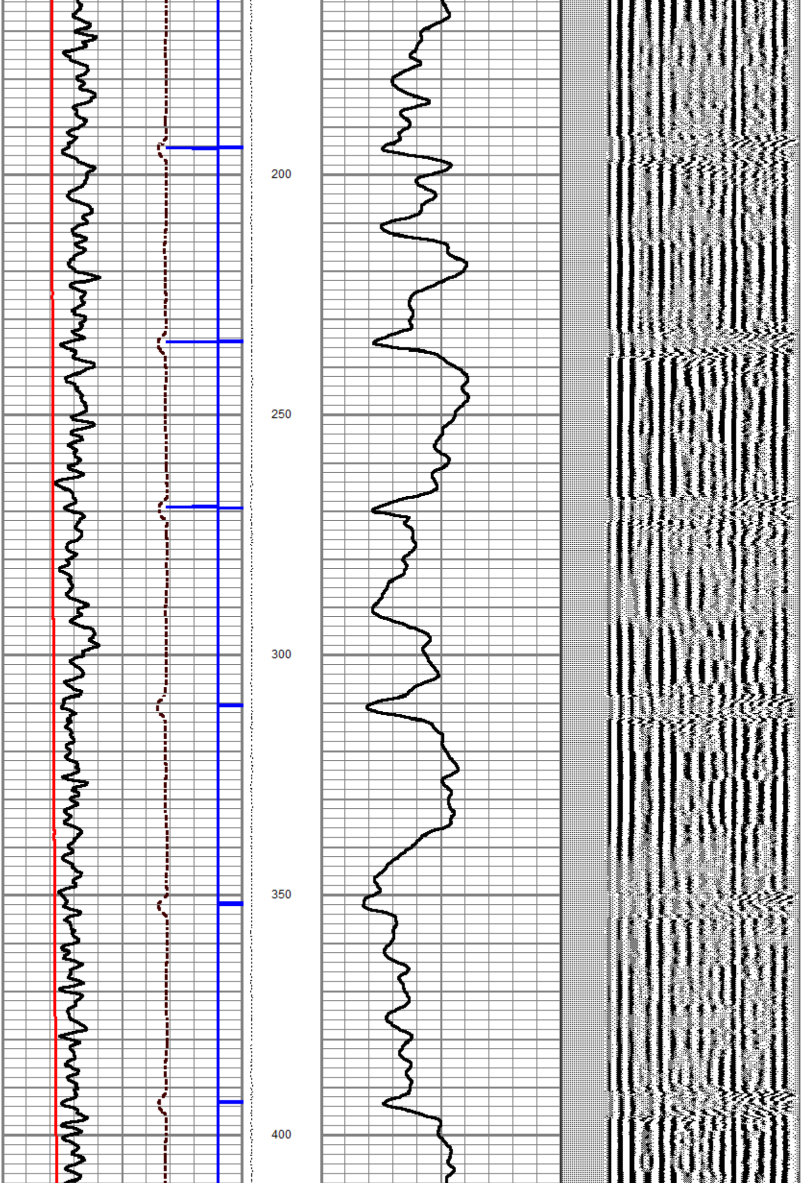
Thank you for using Gyrodata Logging Services, Casper, WY gyrodata

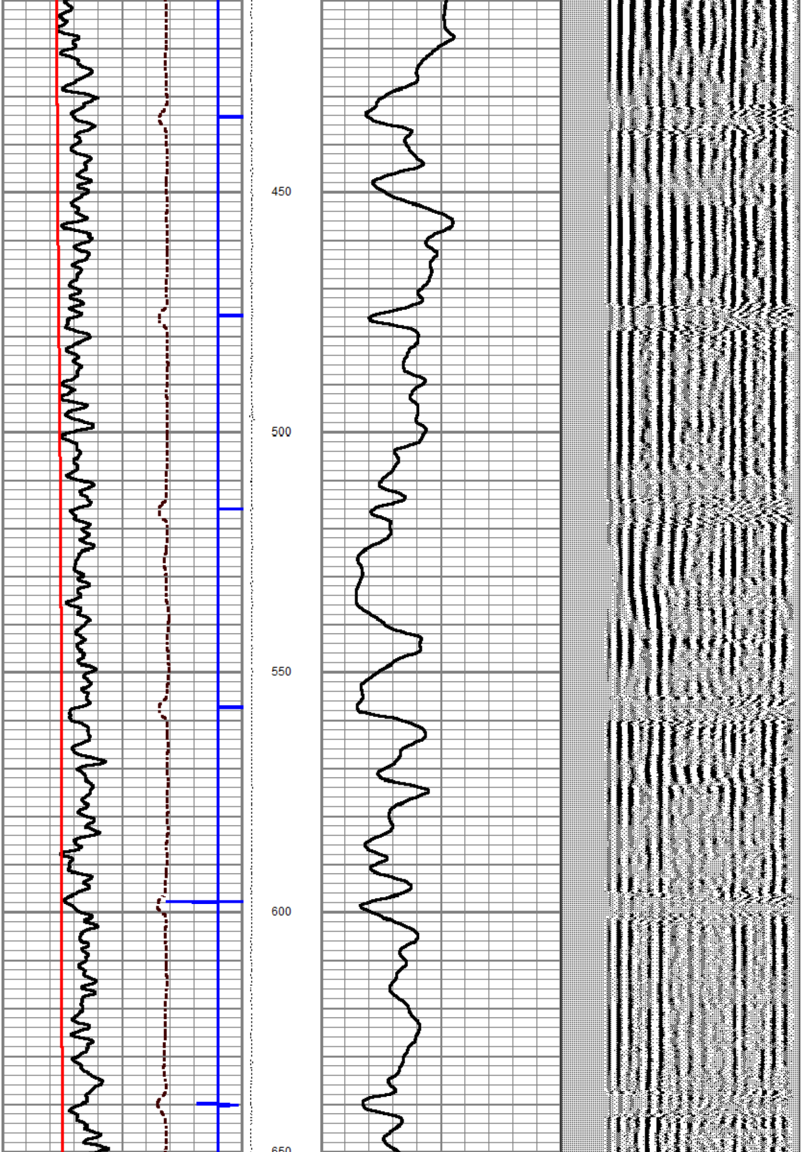
CEMENT BOND LOG PRESENTATION

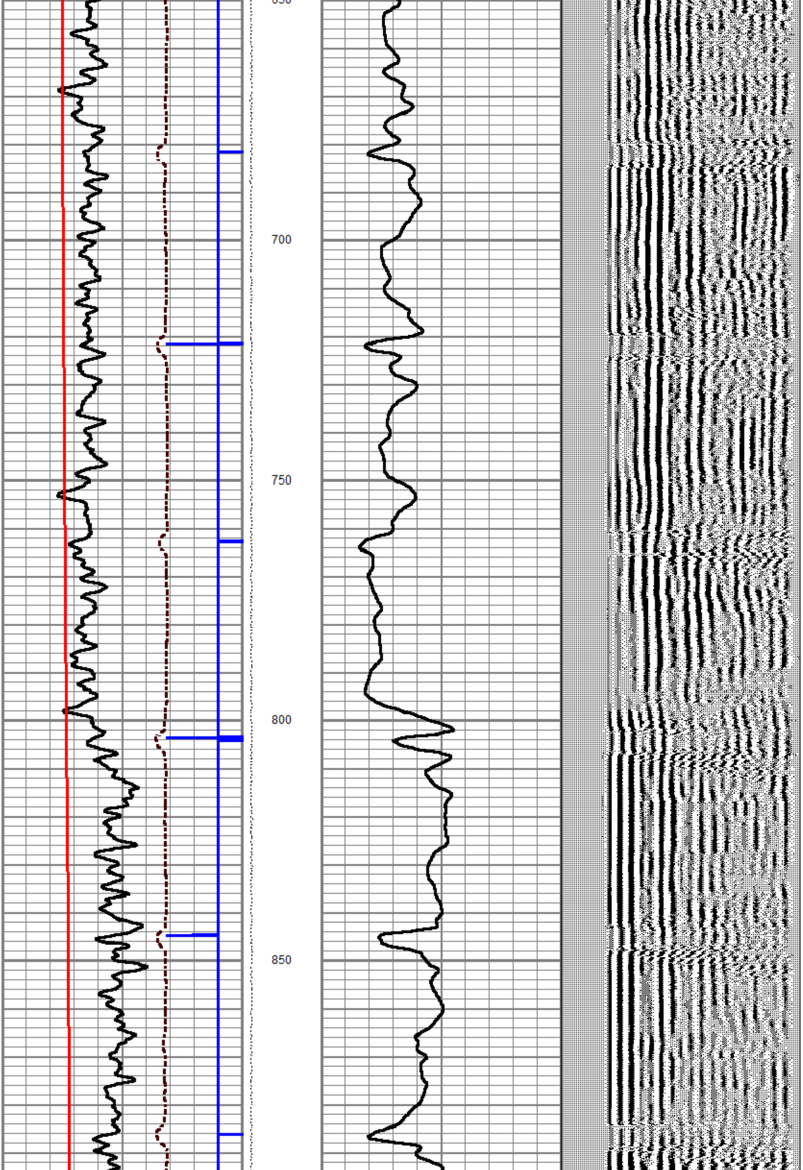
MAIN LOG SECTION / 900 PSI

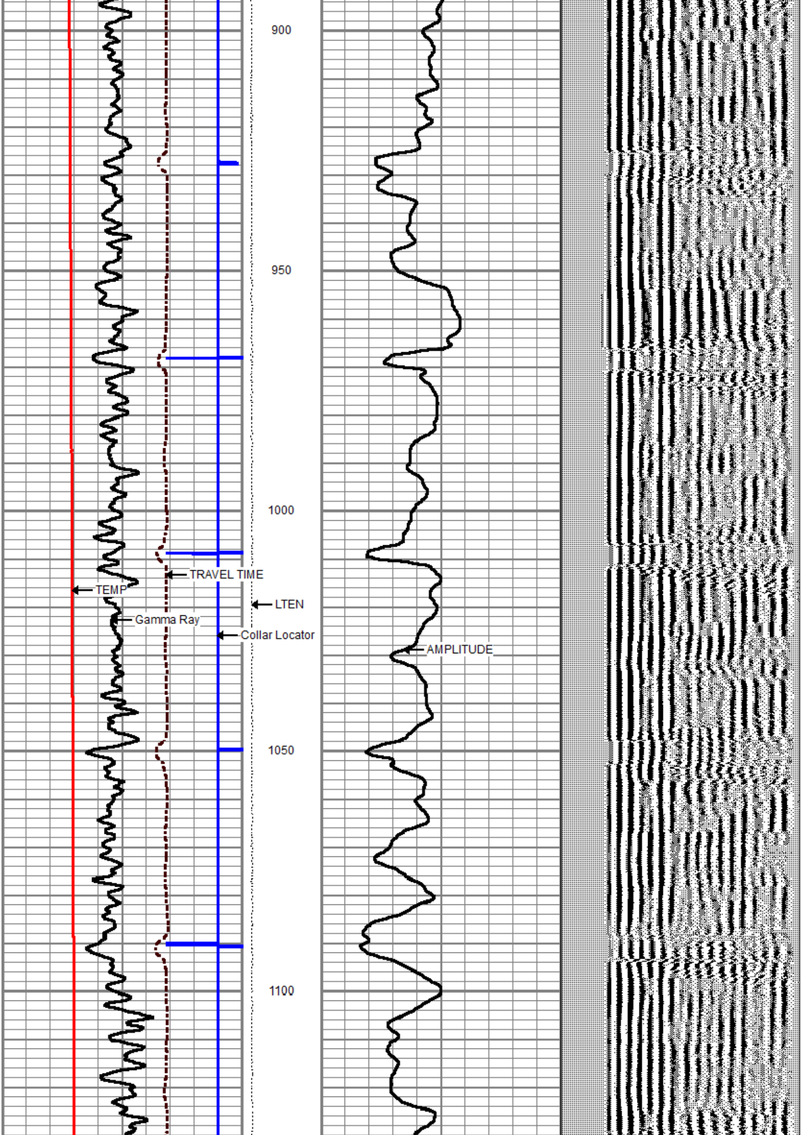
Database File	2015_extraction_kodak_3.db
Dataset Pathname	pass4.1
Presentation Format	cbl_drs
Dataset Creation	Sat Feb 28 08:51:20 2015
Charted by	Depth in Feet scaled 1:240

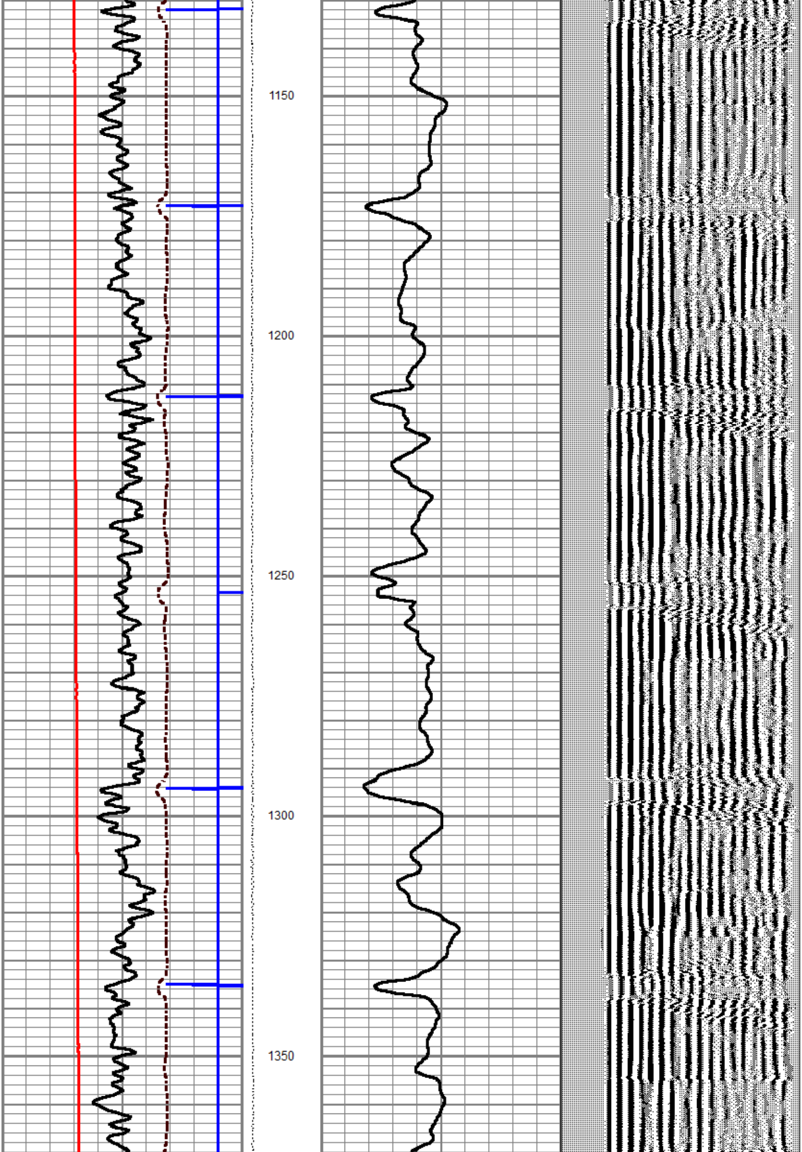


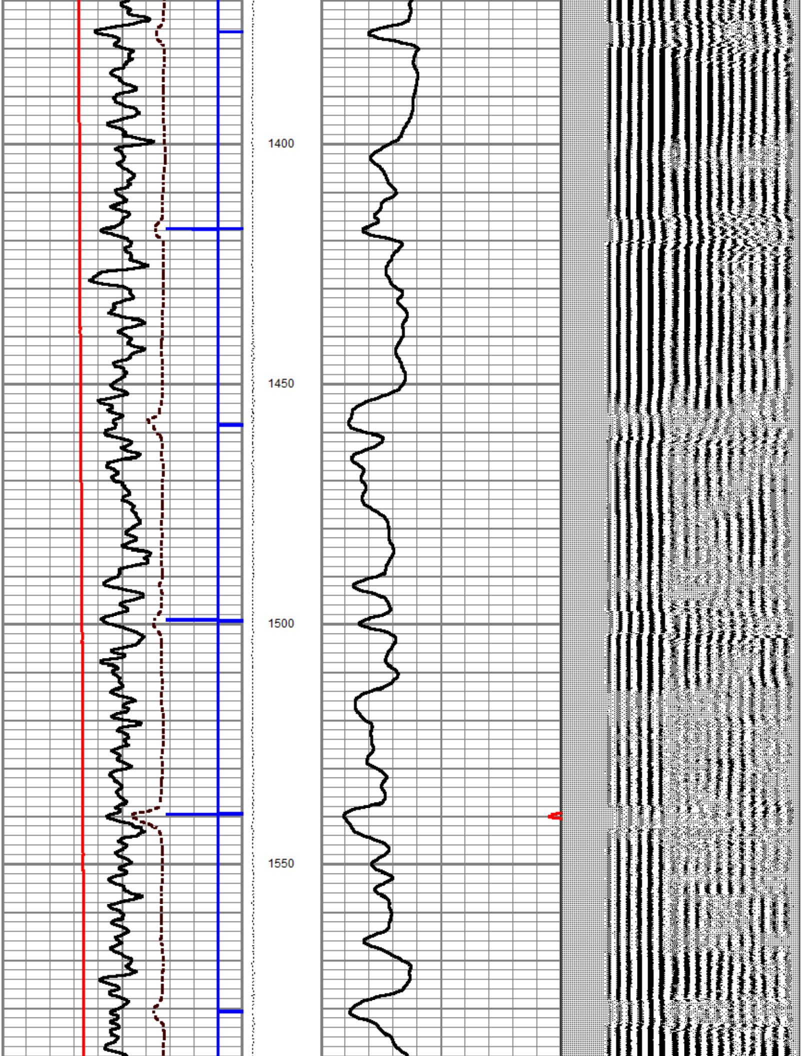


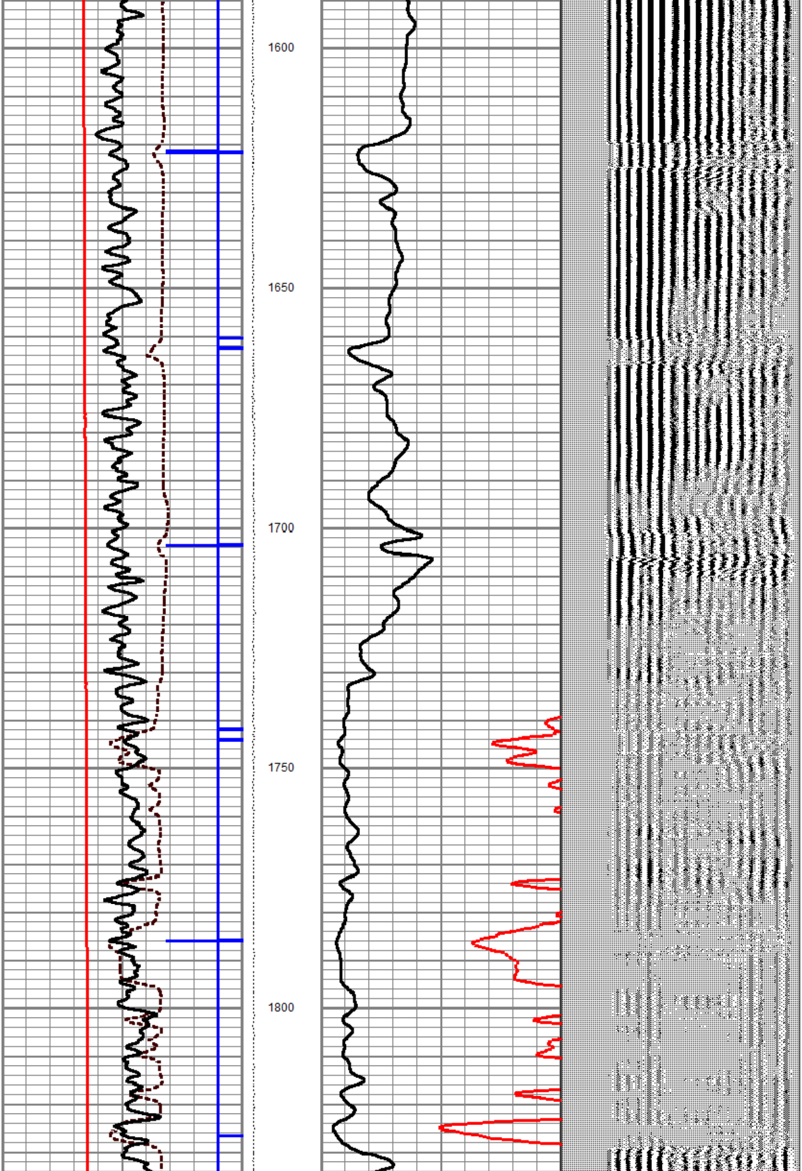


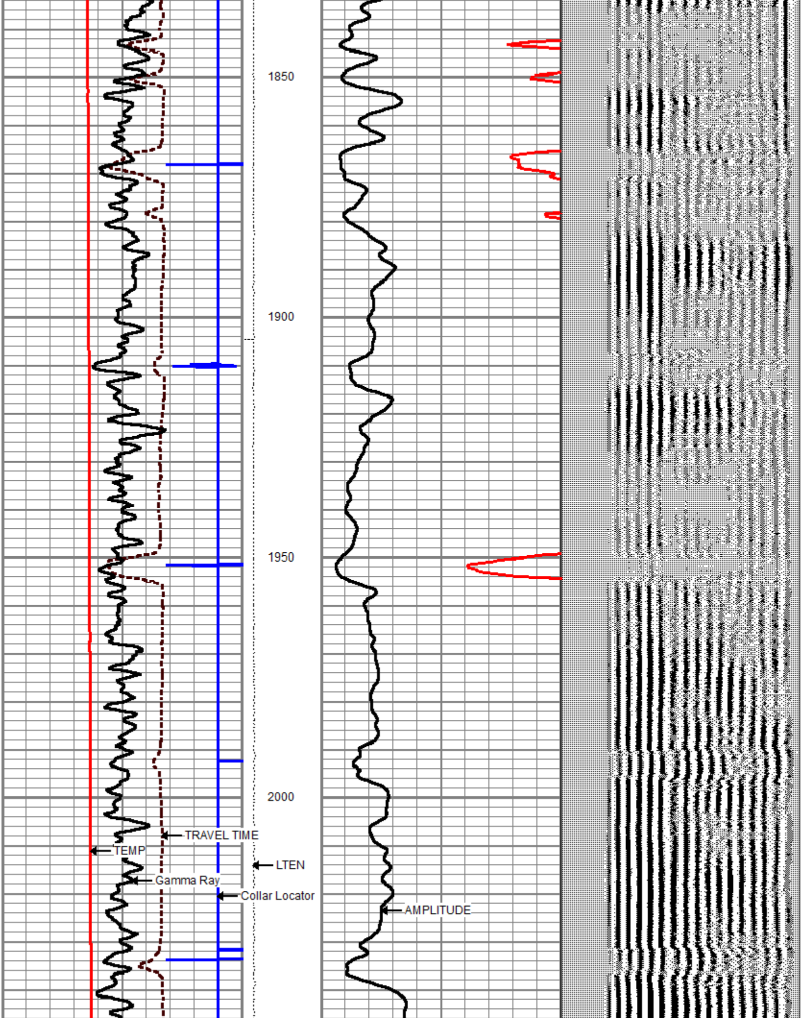


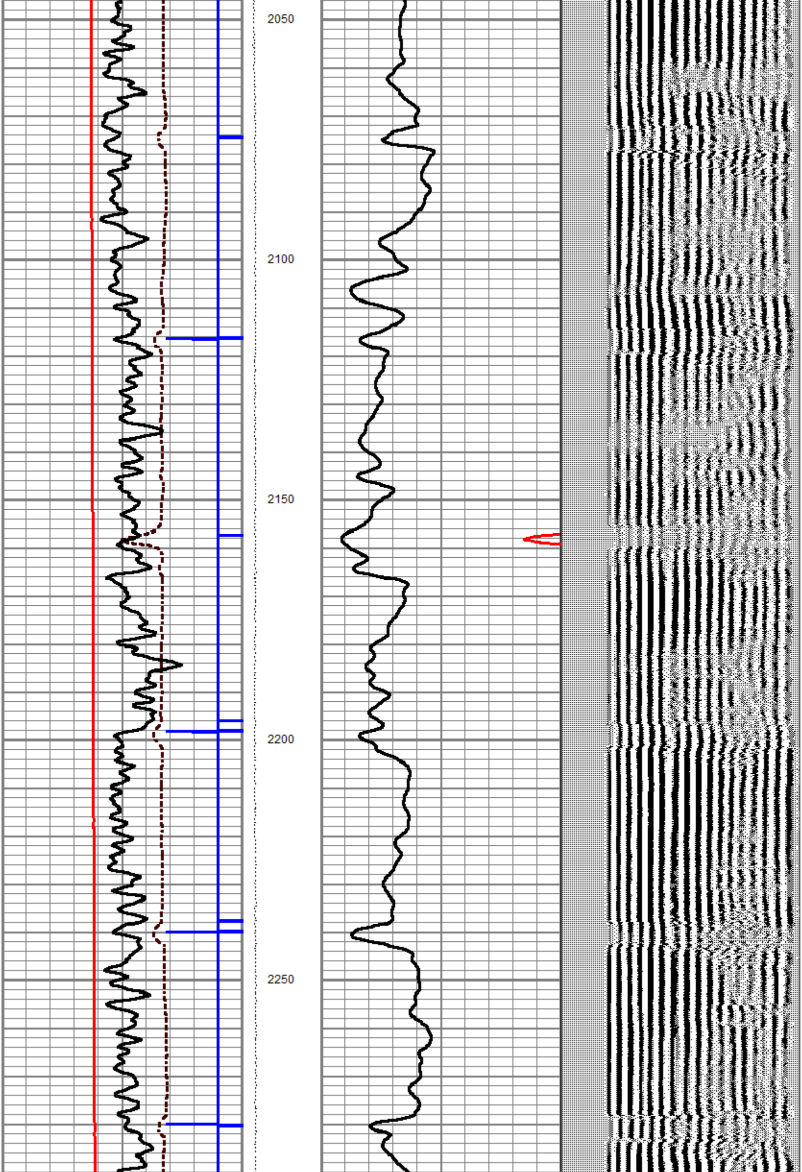


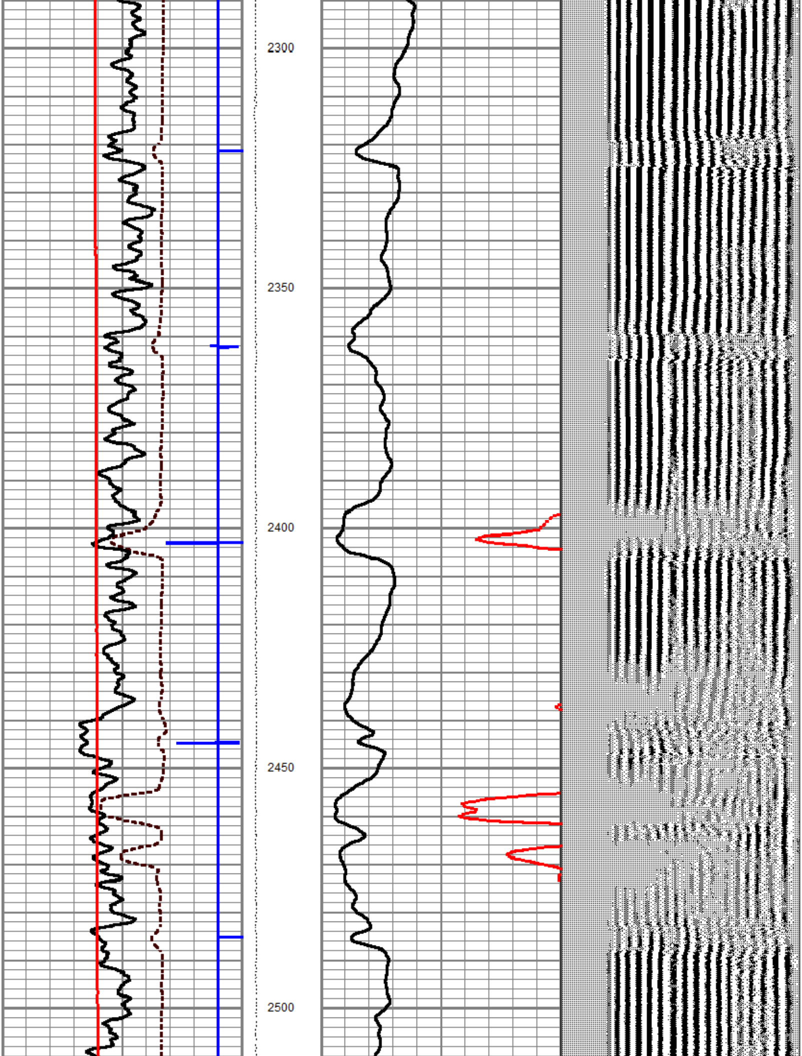


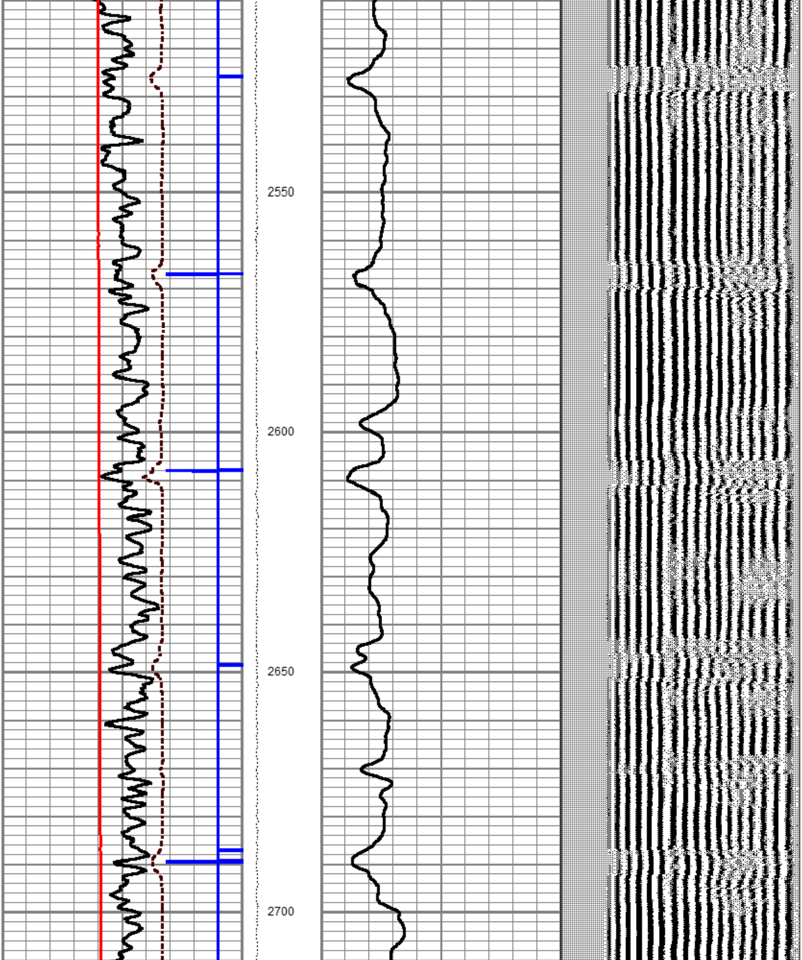


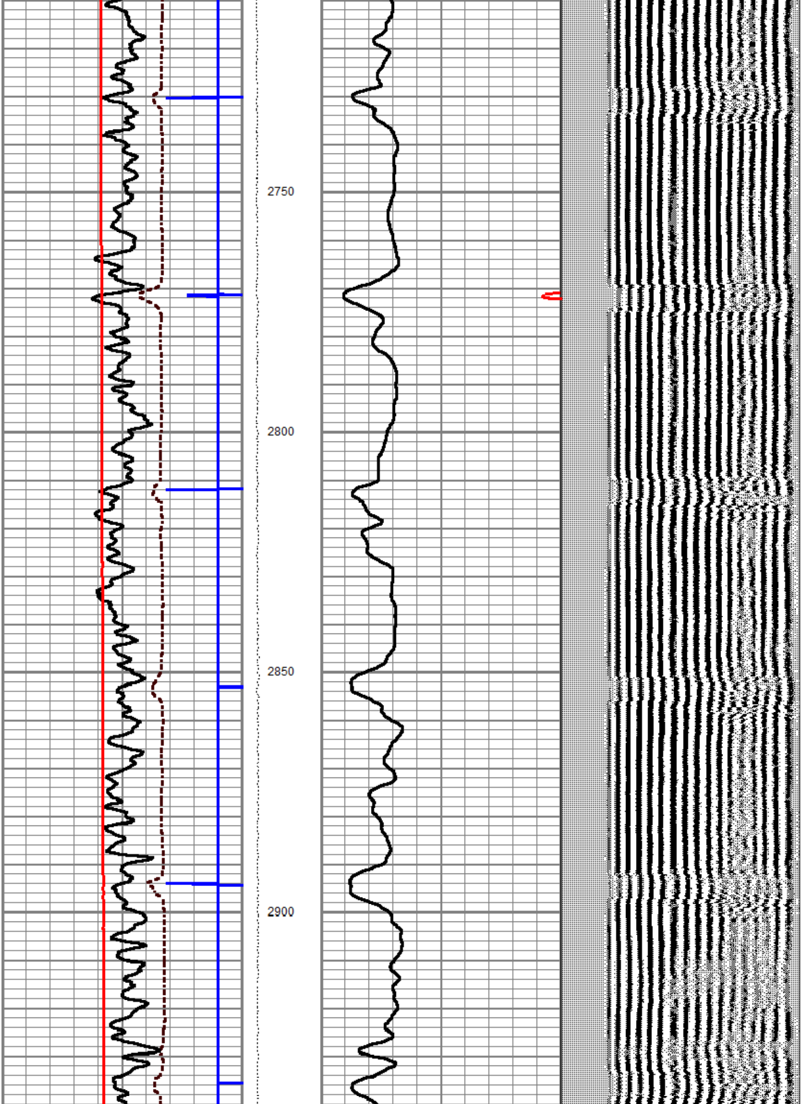


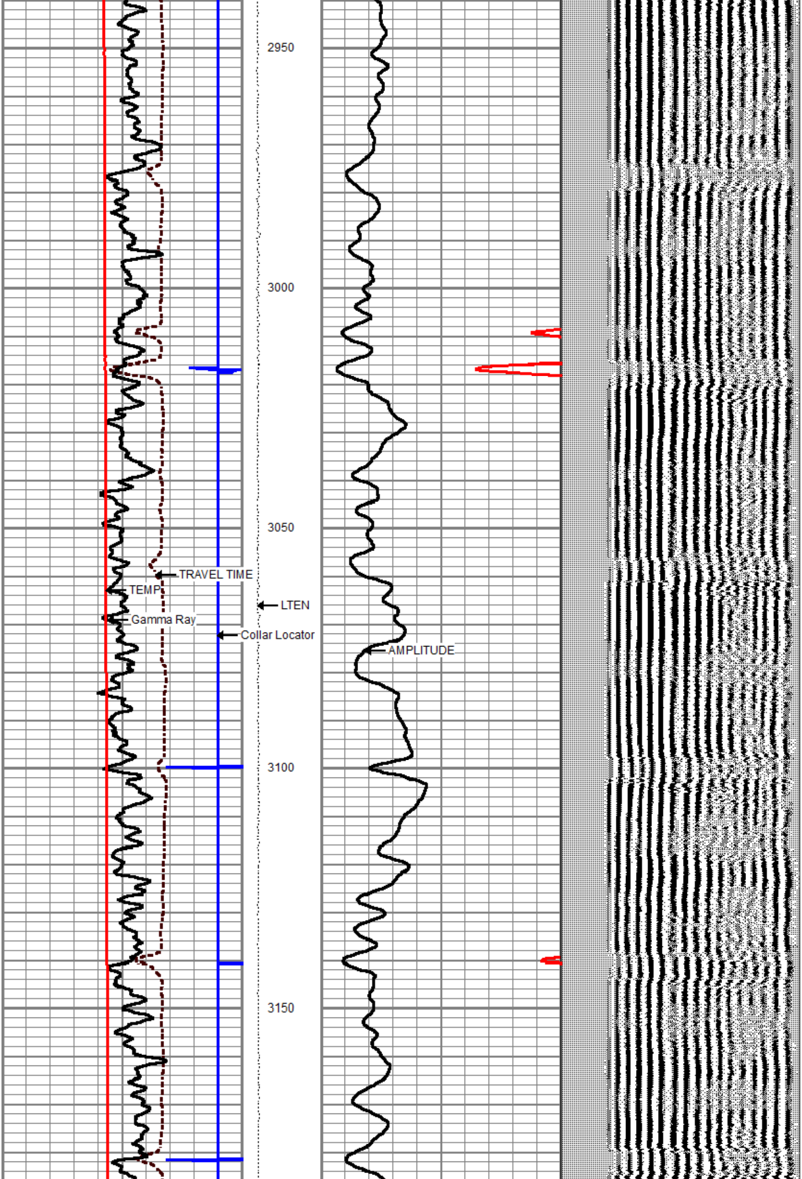


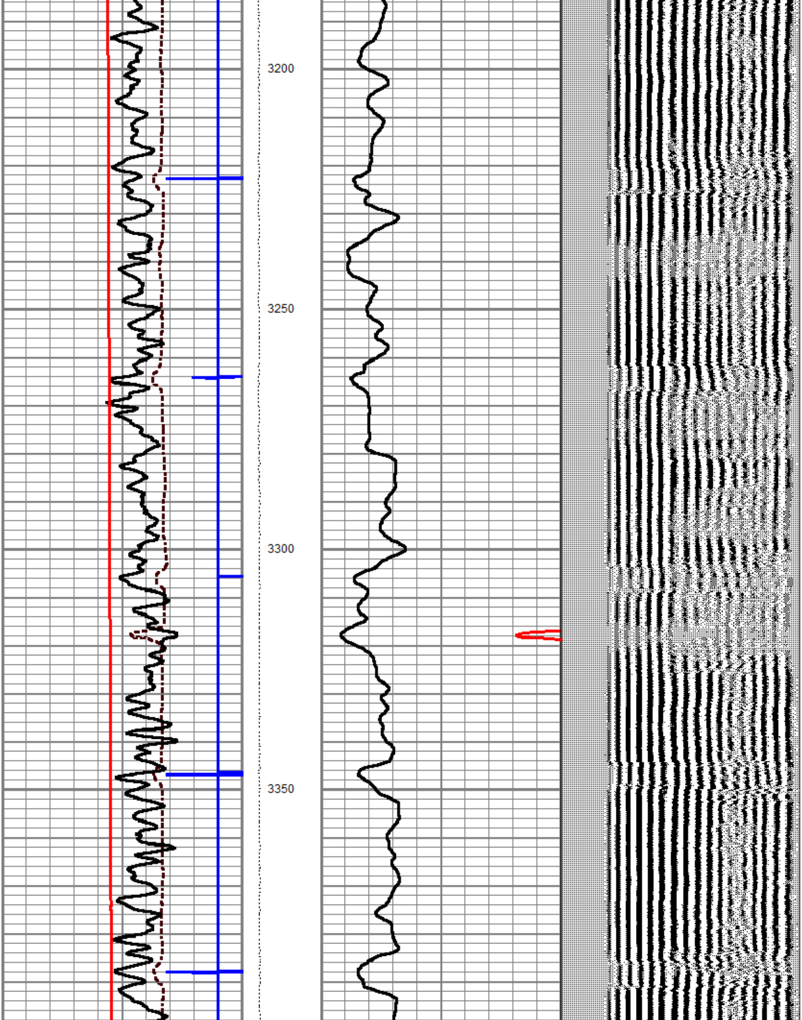


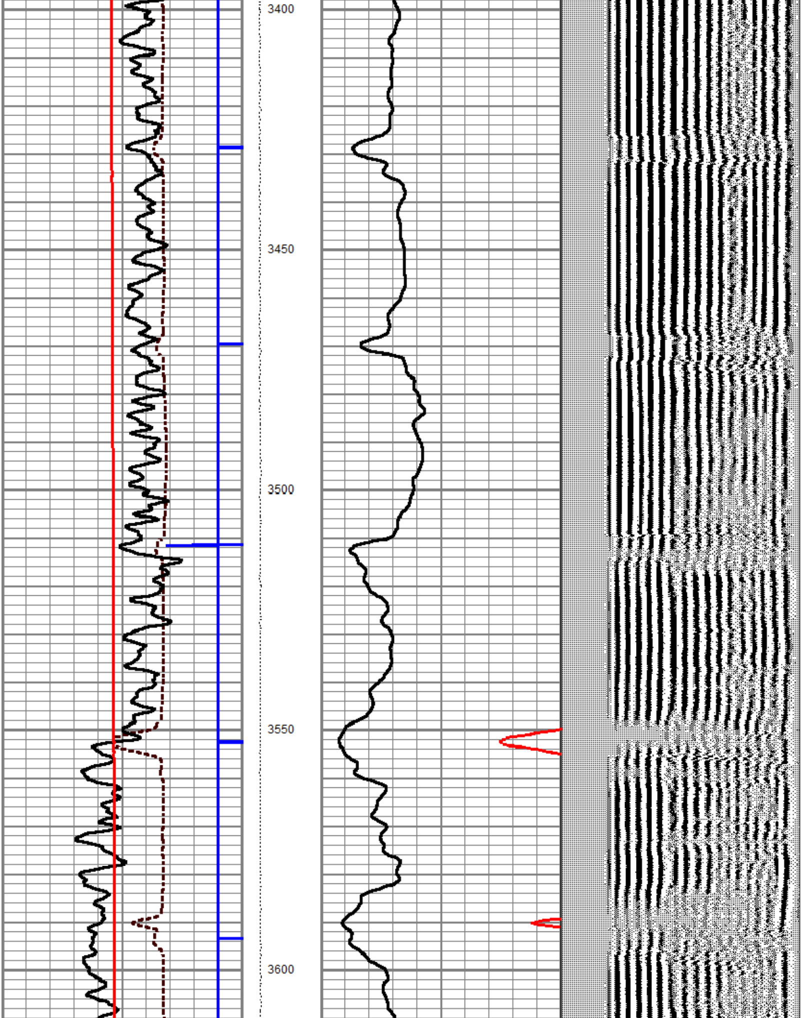


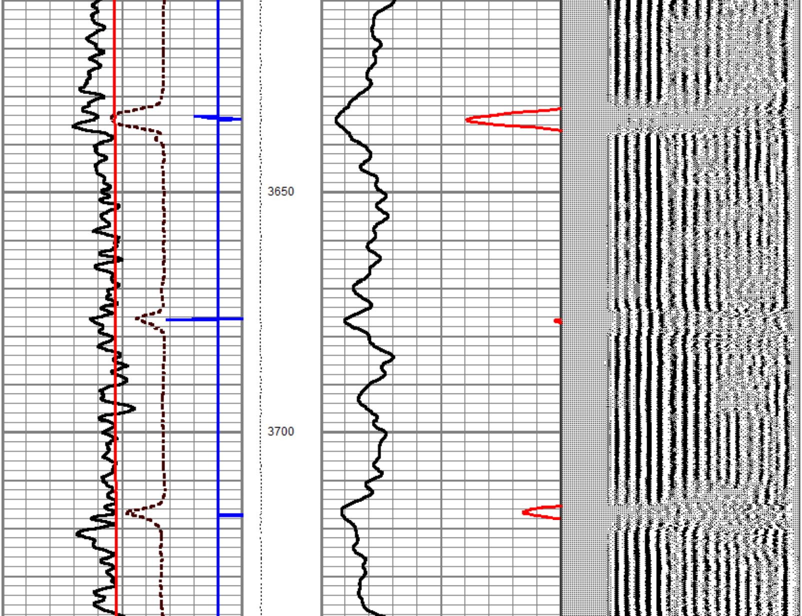


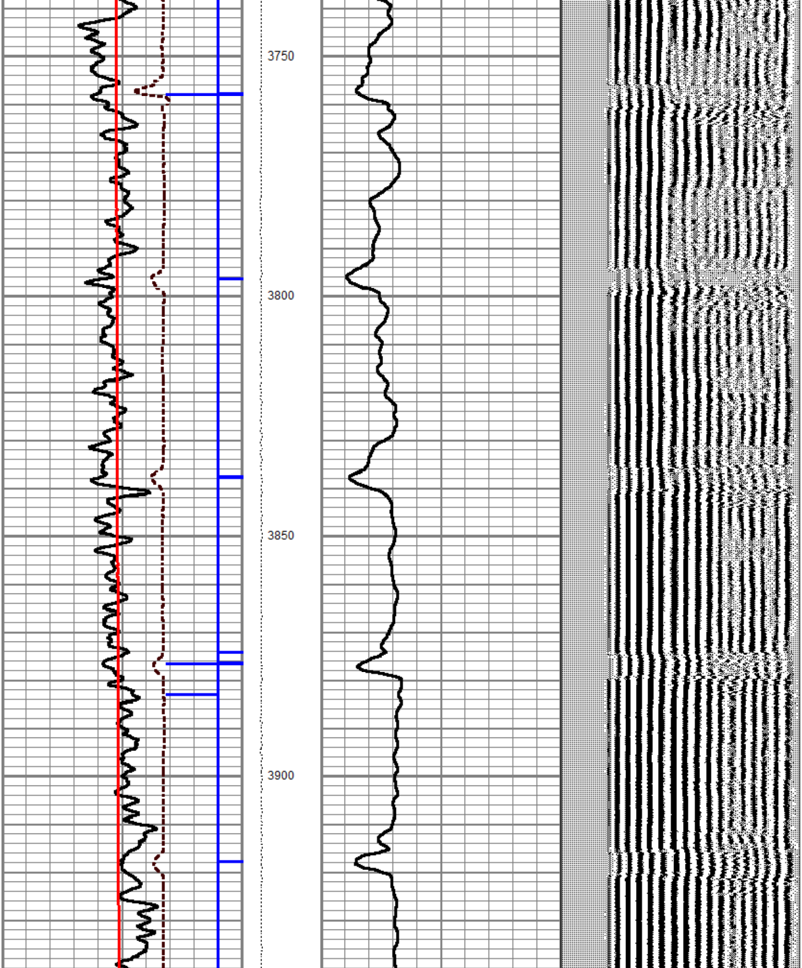


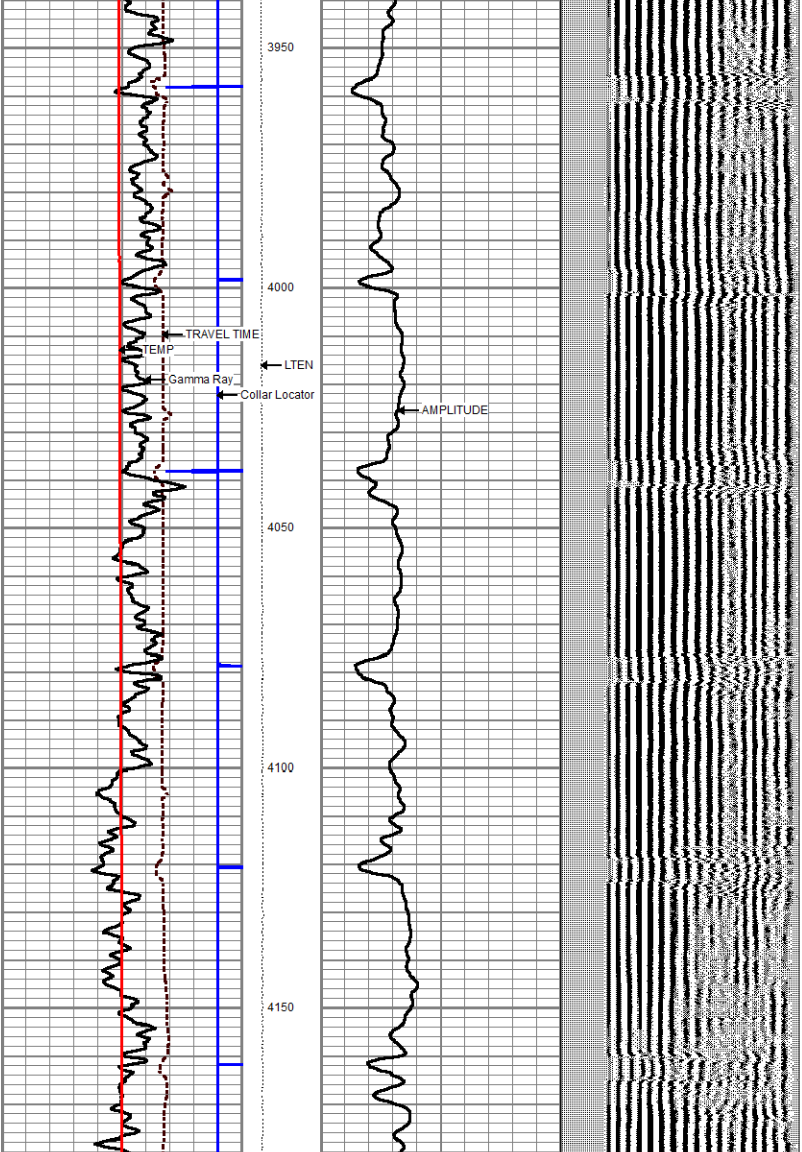


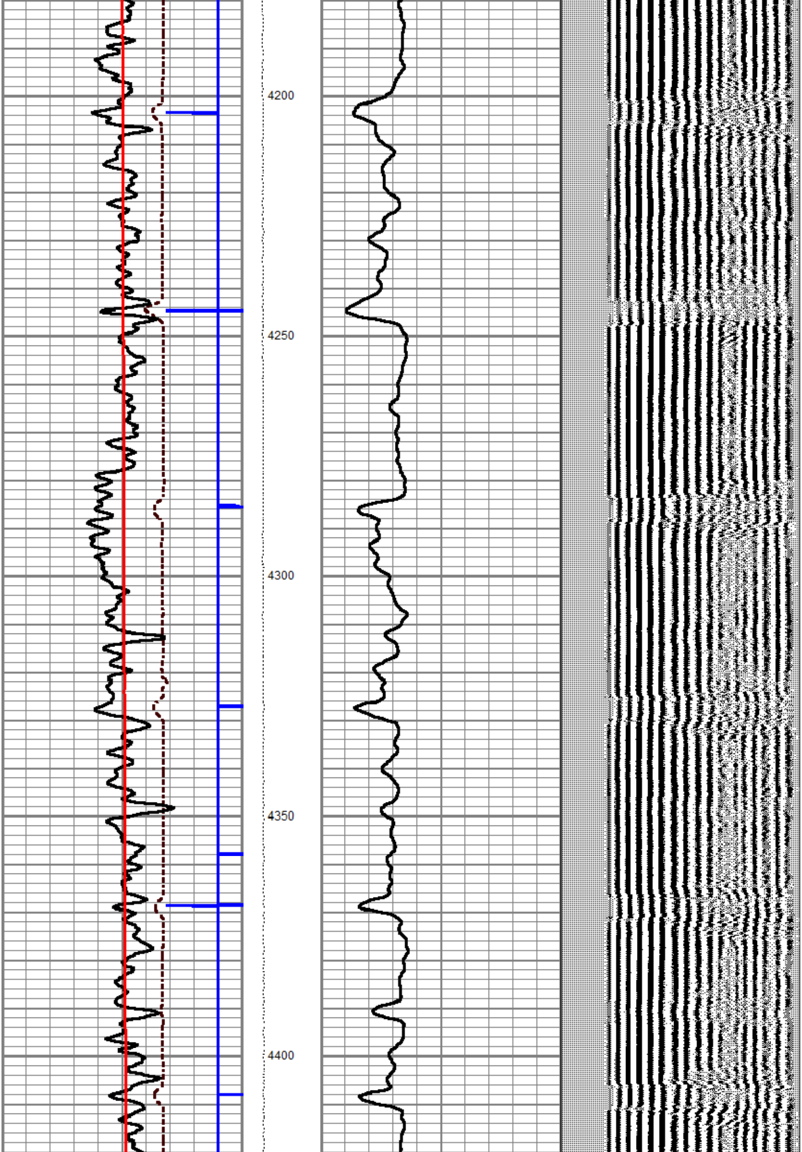


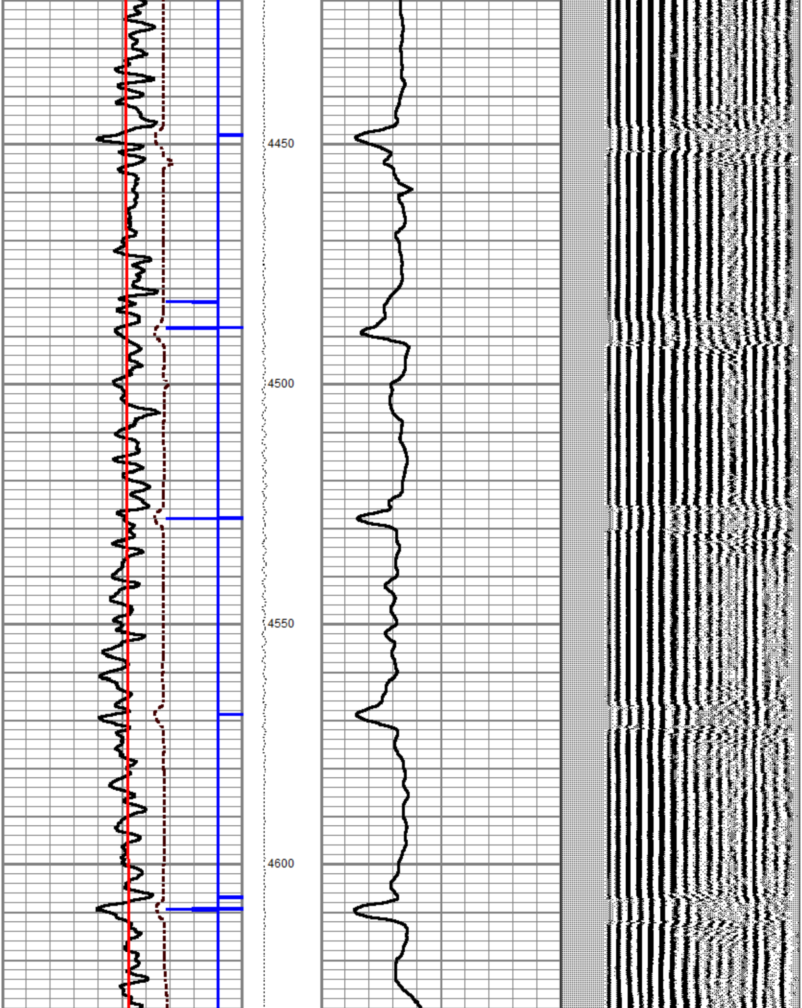


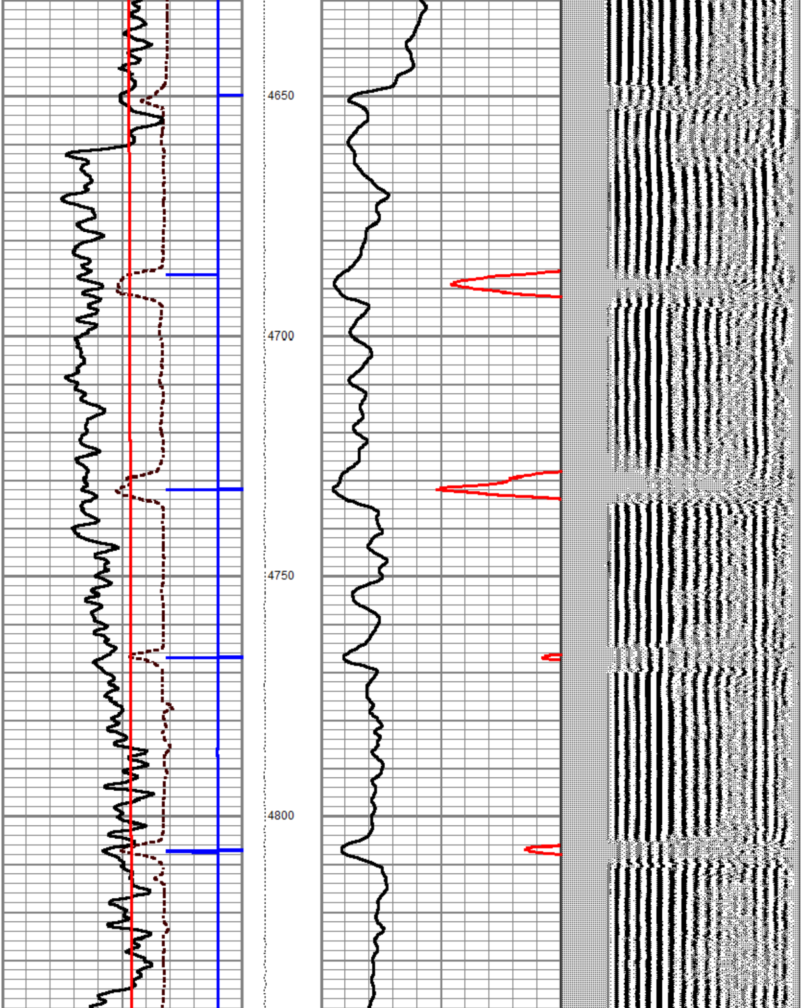


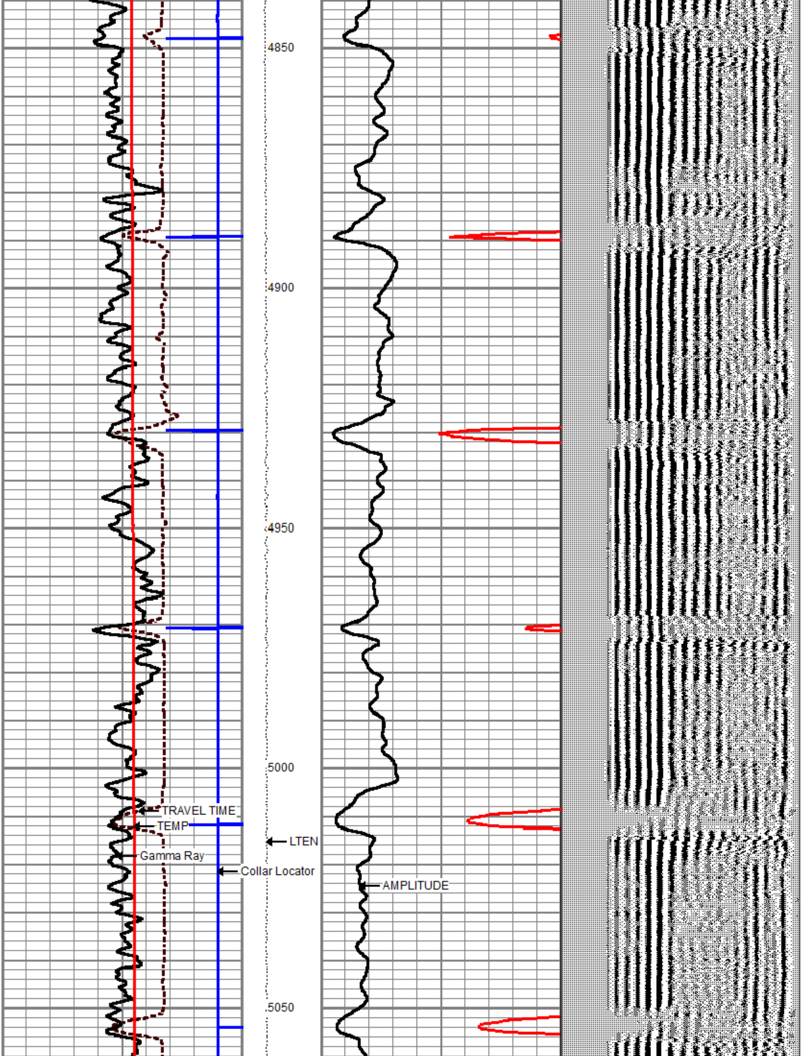


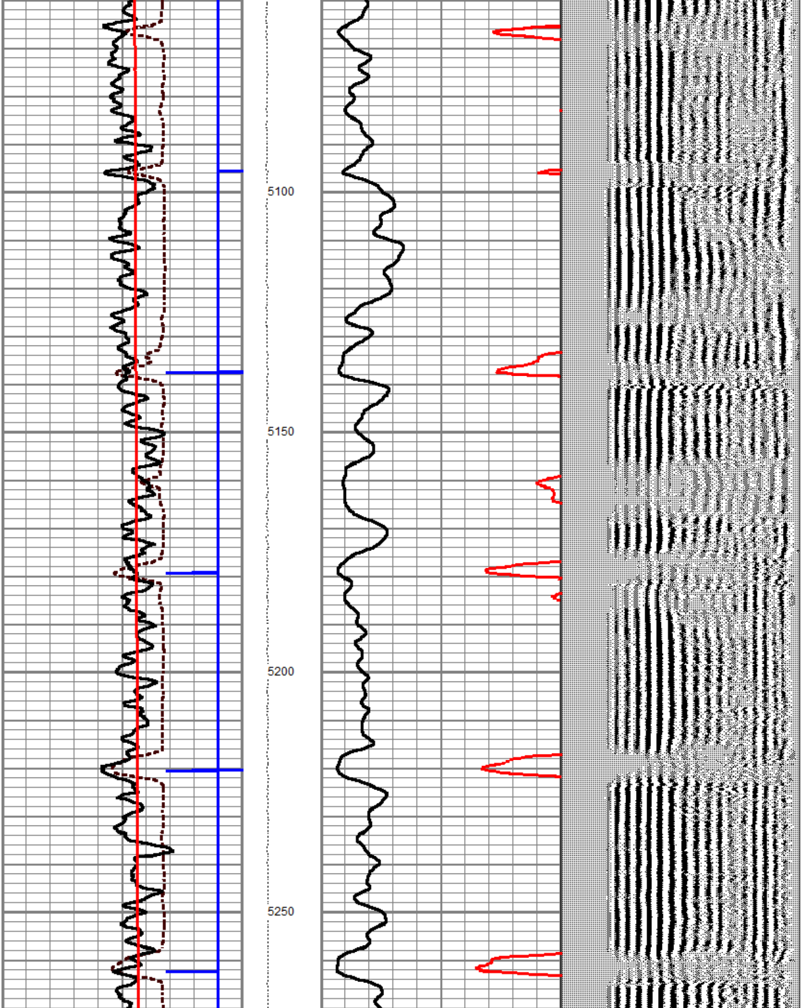


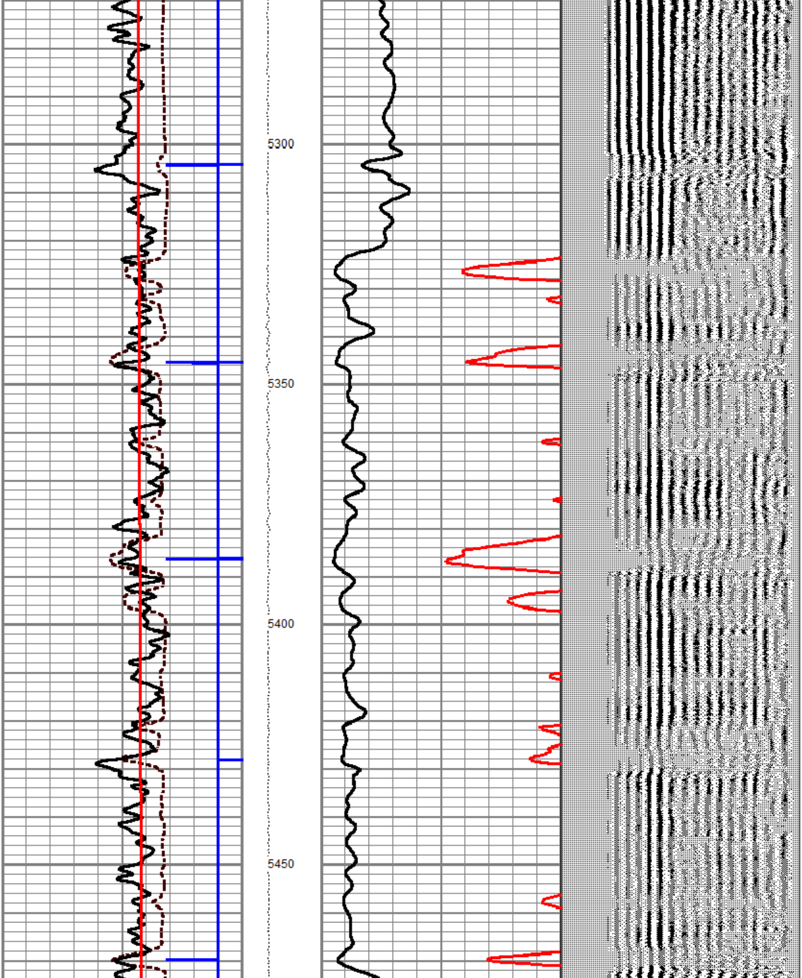


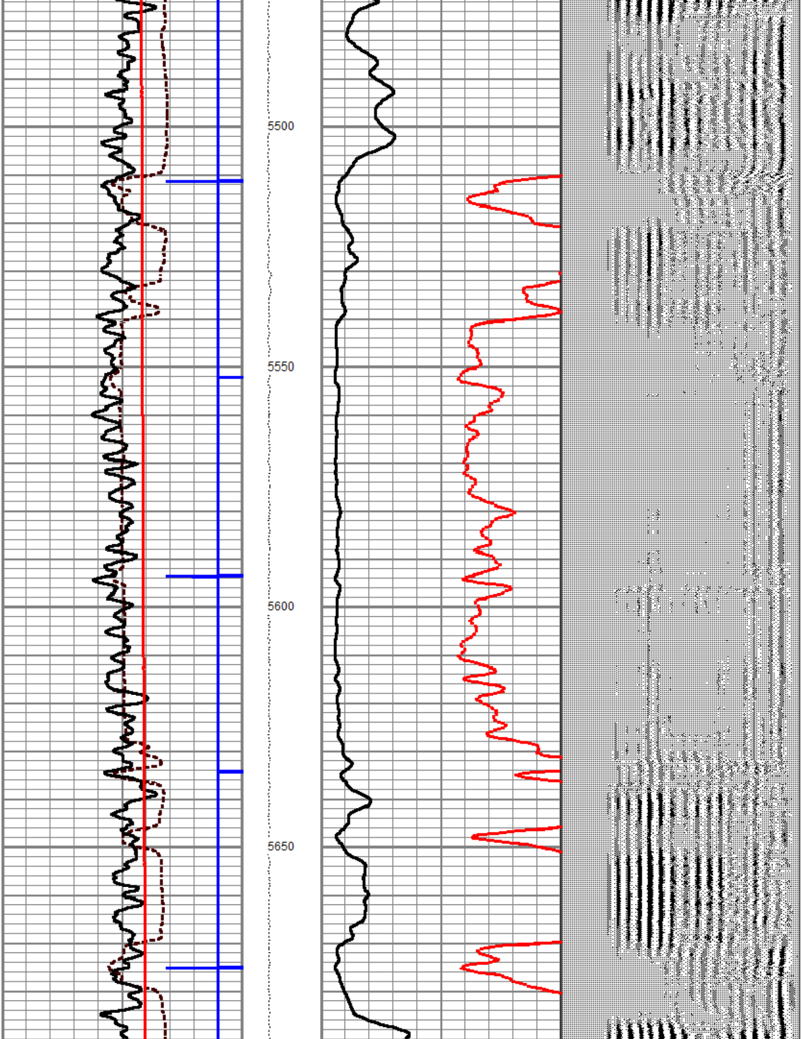


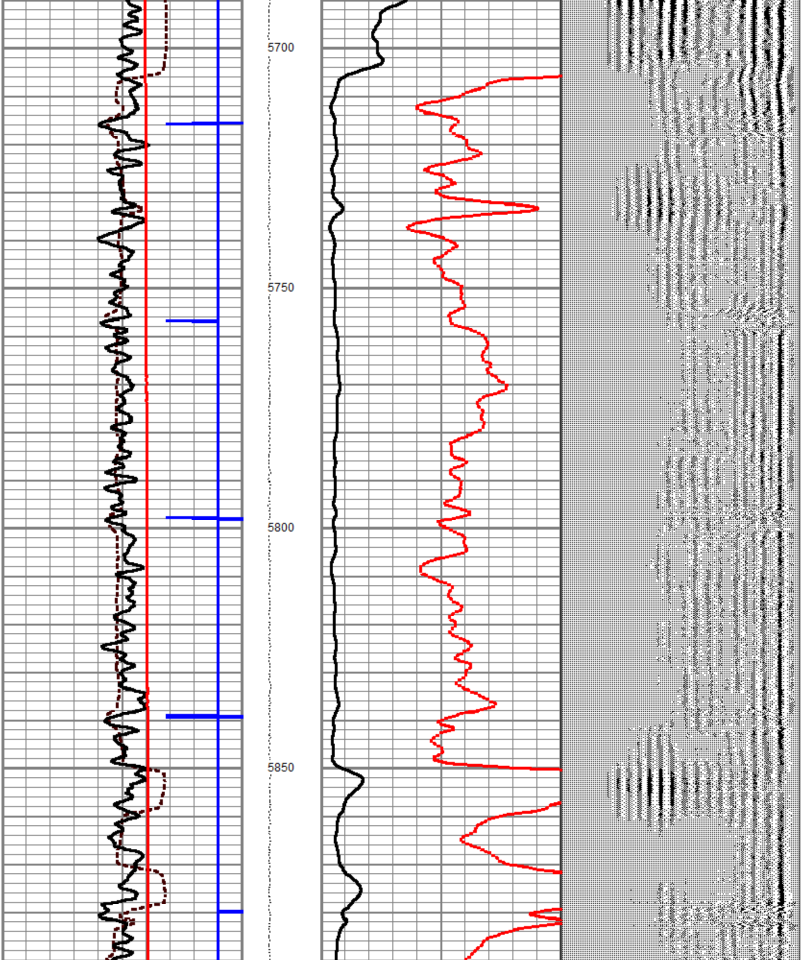


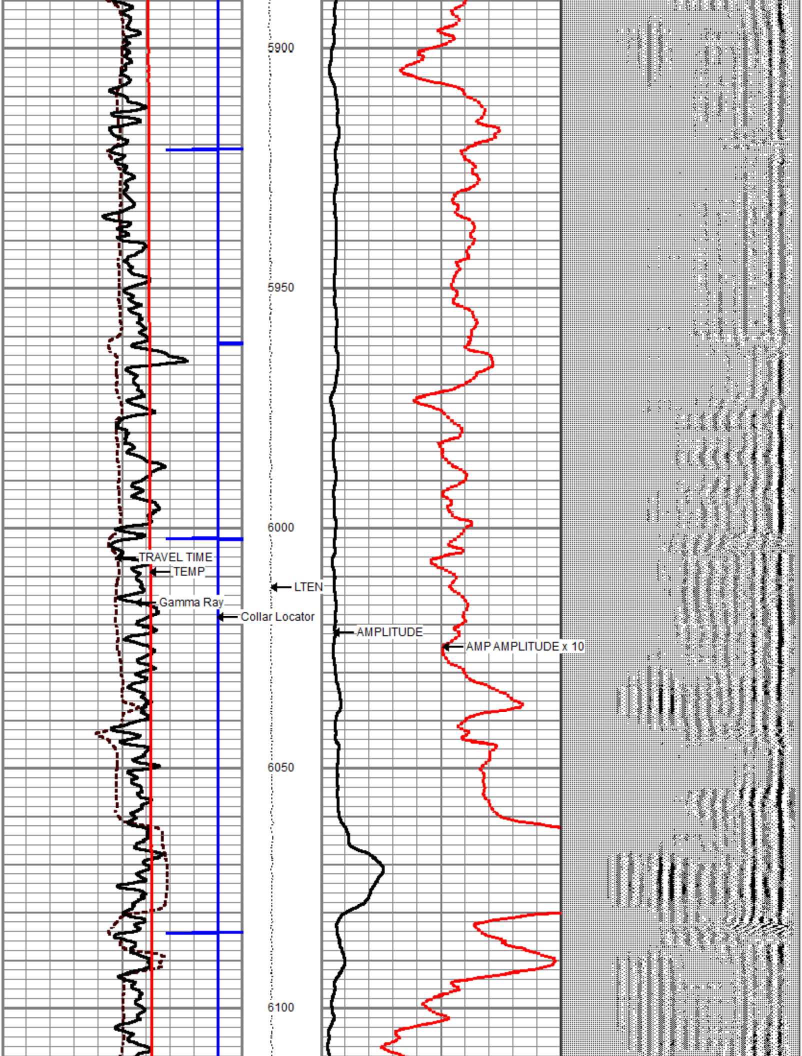


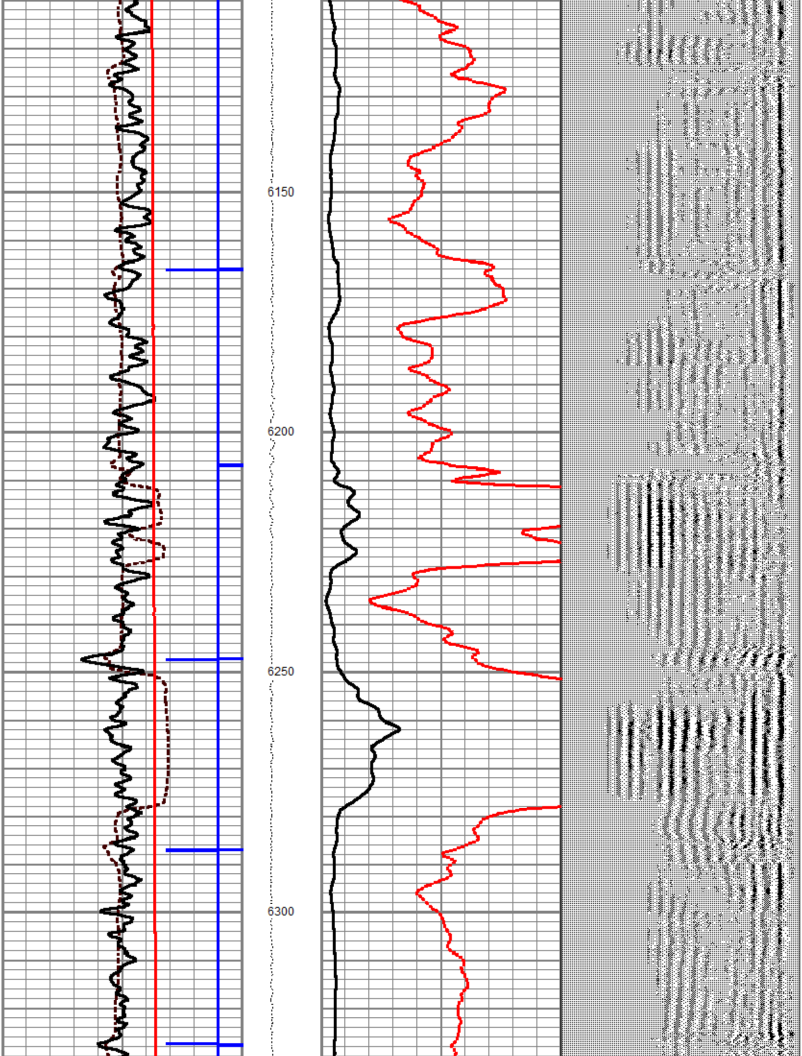


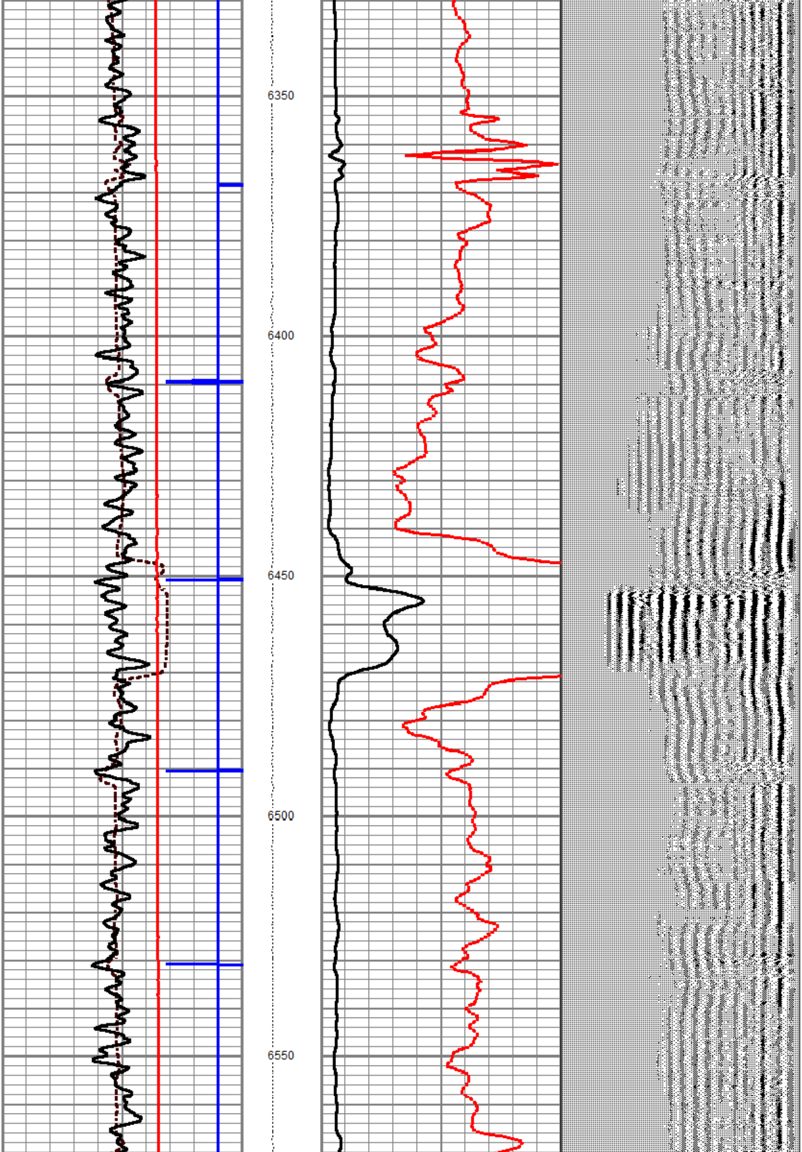


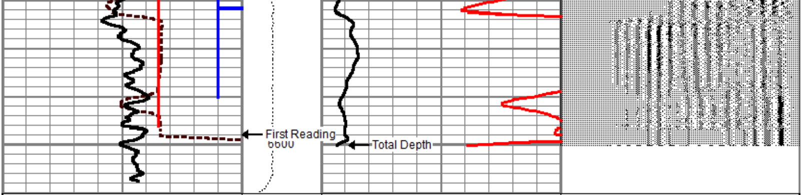












400	TRAVEL TIME (usec)	200		LTEN		0	AMP AMPLITUDE x 10 (mV)	10	200	VDL	1200
9	*Collar Locator*	-1	0	(lb)	2000	0	AMPLITUDE (mV)	100			
0	Gamma Ray	200									
0	TEMP (degF)	300									

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CEMENT BOND LOG PRESENTATION

MAIN LOG SECTION / 900 PSI

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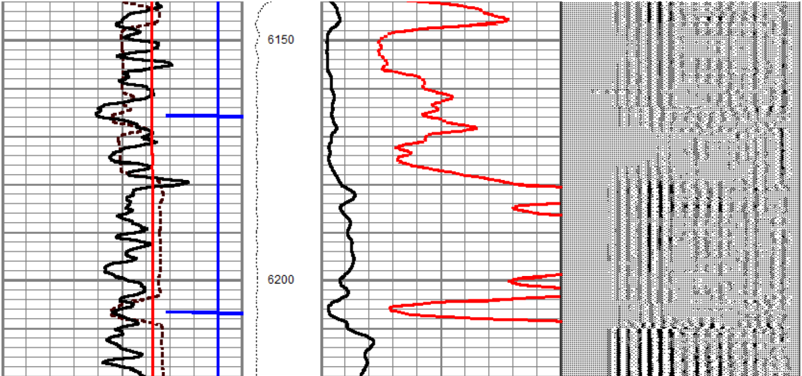
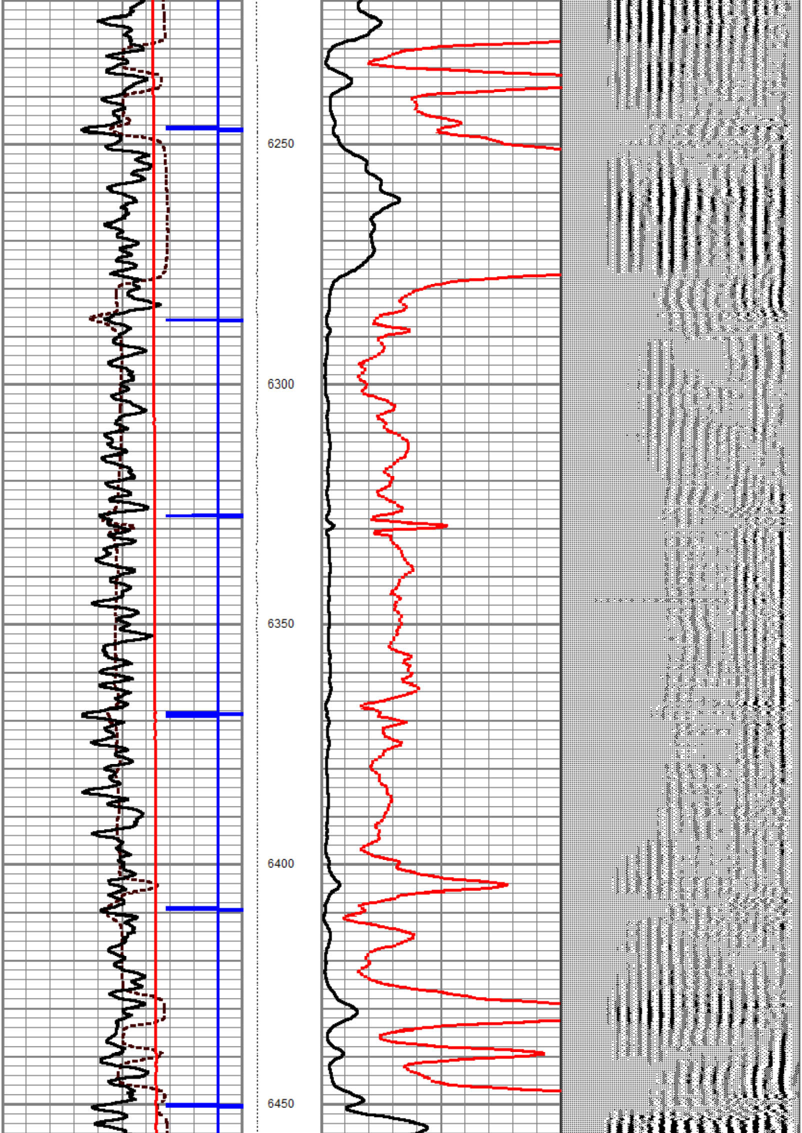
CEMENT BOND LOG PRESENTATION

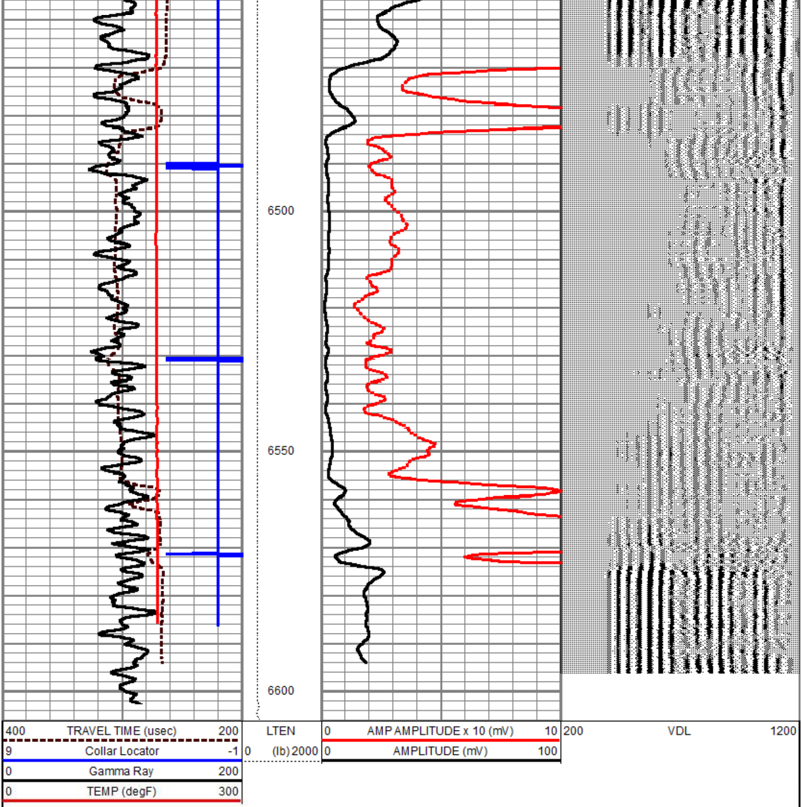
REPEAT LOG SECTION / 0 PSI

Database File	2015_extraction_kodak_3.db
Dataset Pathname	pass3
Presentation Format	cbl_drs
Dataset Creation	Sat Feb 28 06:01:16 2015
Charted by	Depth in Feet scaled 1:240

400	TRAVEL TIME (usec)	200		LTEN		0	AMP AMPLITUDE x 10 (mV)	10	200	VDL	1200
9	Collar Locator	-1	0	(lb)	2000	0	AMPLITUDE (mV)	100			
0	Gamma Ray	200									
0	TEMP (degF)	300									







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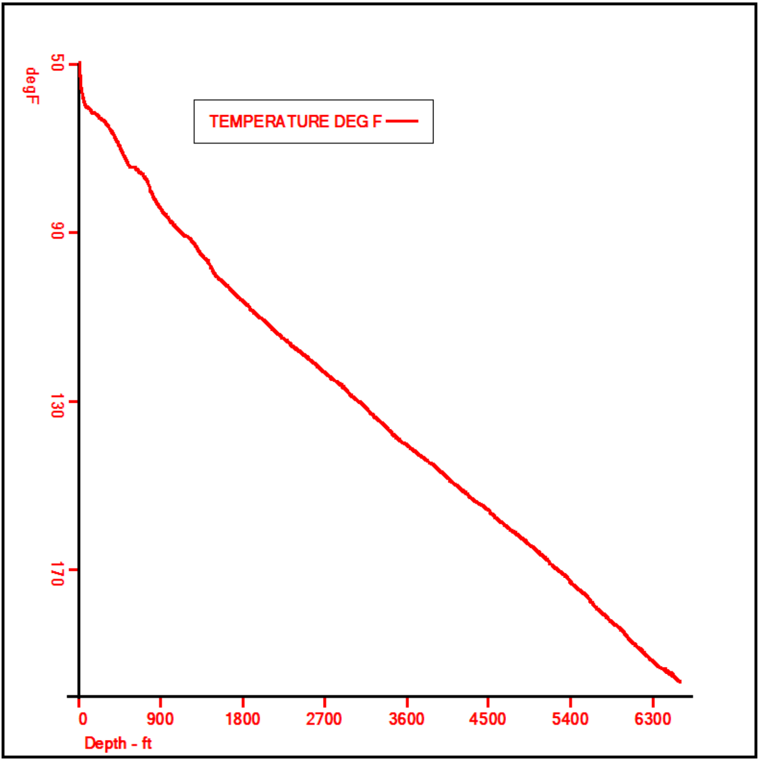
CEMENT BOND LOG PRESENTATION

REPEAT LOG SECTION / 0 PSI



Log Variables

Database C:\ProgramData\Warrior\Data\2015_extraction_kodak_3.db
Dataset field/well/run1/pass4.1

Top - Bottom

BHTEMP_Src	PPT	CASEWGHT	MAXAMPL	MINAMPL	MINATTN	SRFTEMP	CASEOD	PERFS	TDEPTH
	usec	lb/ft	mV	mV	db/ft	degF	in		ft
1	0	26	62	1.7	0.8	0	7	0	6650

BOTTEMP	BOREID
degF	in
240	8.75

Calibration Report

Database File	2015_extraction_kodak_3.db
Dataset Pathname	pass4.1
Dataset Creation	Sat Feb 28 08:51:20 2015

Gamma Ray Calibration Report

Serial Number:	234GR-IPCD9-02	
Tool Model:	GR-Tek-Co	
Performed:	Tue Feb 25 16:32:03 2014	
Calibrator Value:	120.0	
Background Reading:	100.8	cps
Calibrator Reading:	244.7	cps
Sensitivity:	0.8337	/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	234RIBT-IT4B1-01-FIELD-12-3-14	
Tool Model:	275 H/T RIB with I/E Temp	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	963.892	ft

Master Calibration, performed Sat Feb 28 08:51:06 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.021	0.412	2.000	71.921	161.496	5.320
CAL	0.000	0.283				
5'	-0.029	0.556	2.000	71.921	119.451	5.523
SUM						
S1	-0.004	0.559	0.000	100.000	177.663	0.744
S2	-0.006	0.539	0.000	100.000	183.462	1.058
S3	-0.014	0.616	0.000	100.000	158.796	2.150
S4	-0.021	0.587	0.000	100.000	164.372	3.480
S5	-0.018	0.521	0.000	100.000	185.478	3.426
S6	-0.009	0.474	0.000	100.000	207.224	1.838
S7	-0.003	0.503	0.000	100.000	197.618	0.637
S8	0.000	0.596	0.000	100.000	167.791	-0.006

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.283	1.000	0.000

Air Zero Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Temperature Calibration Report

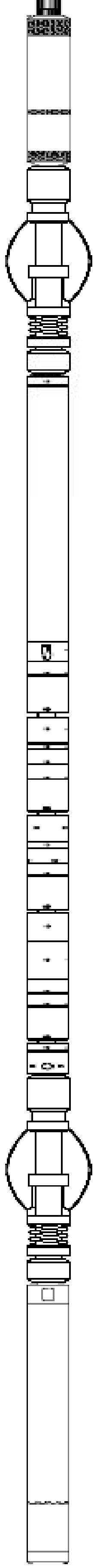
Serial Number:	234RIBT-IT4B1-01-FIELD-12-3-14	
Tool Model:	275 H/T RIB with I/E Temp	
Performed:	Wed Dec 03 07:38:31 2014	

	Reference		Reading	
Low Reference:	0.00	degF	0.00	usec
High Reference:	1.00	degF	1.00	usec

Gain:	0.33
Offset:	0.00
Delta Spacing	1

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			TitanConeType2 Cable Head 1 7/16 Cone Type II	1.03	1.44	3.60

CCL	19.56
TEMP	12.77
WVFS8	11.48
WVFS7	11.48
WVFS6	11.48
WVFS5	11.48
WVFS4	11.48
WVFS3	11.48
WVFS2	11.48
WVFS1	11.48
WVF5FT	9.73
WVFSYNC	6.40
WVFTEMP	6.40
WVFCAL	6.40
GR	1.04



Cable Head 1 7/16 Cone Type II			
CCL-275tekco (234CCL-1PSN7-002) 2 3/4" 450 Deg. "F" TekCo CCL Earth Mag	1.96	2.75	20.00
2.75 2 3/4" Tekco Adjustable Centralizer	2.73	2.75	25.00
275 H/T RIB with I/E Temp (234RIBT-IT4B1-01-D-12-3- Tekco 2.75" 450 Deg. F RIB with I/E Temp	9.13	2.75	102.00
2.75 2 3/4" Tekco Adjustable Centralizer	2.73	2.75	25.00
GR-GR-Tek-Co (234GR-IPCD9-02) Tekco 2 3/4" 400 Deg. F Logging Gamma Ray	3.67	2.75	40.00

Dataset:	2015_extraction_kodak_3.db: field/well/run1/pass4.1
Total length:	21.25 ft
Total weight:	215.60 lb
O.D.:	2.75 in

Company	**EXTRACTION O & G**
Well	**KODAK #3**
Field	**WATTENBERG**
County	**WELD**
State	**CO**
Country	**USA**