gyrodata

CEMENT BOND LOG

Company	EXTRACTION O & G
Well	GP-JEVANS 2-19-19
Field	WATTENBERG
County	WELD State CO

Company	**EXTRACTION O & G**		
Well	**GP-JEVANS 2-19-19**		
Field	**WATTENBERG**		
County	**WELD**	**State**	**CO**

API No.: 05-123-40310 Serv #: 1045

Location: **LAT. 40.390280**
LONG. -104682510
574' FNL & 1305' FEL

Sec: 19 Twp: 5N Rge: 65W

Other Services

CCL
TEMPERATURE

Permanent Datum	**GROUND LEVEL**	Elevation	**4673'**	Elevation	
Log Measured From	**KB** , **24** Ft. above perm. datum			K.B.	4697'
Drilling Measured From	**24**			D.F.	4696'
				G.L.	4673'

Date @ Time Logged	7-FEB-15 @ 1530 HRS.	Type Fluid in Hole	FERSH WATER
Run No.	ONE	Density of Fluid	8.4 LB/GL
Depth - Driller	13,082'	Fluid Level	FULL
Depth - Logger	8472'	Cement Top Est. Logged	1064'
Bottom - Logged Interval	8460'	Equipment / Location	GD-114 / CASPER WY
Top - Log Interval	SURFACE	Recorded by	M. FENN
Max. Recorded Temp.	244° F	Witnessed by	J. GALORE

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	1080'
				7"	26#	SURFACE	8885'
				4 1/2"	13.5#	8498'	13,082'

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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 2/7/15
Cement top was estimated at 1064'
Max temp on bottom was 244° F
KOP @8667'
Wireline Depth was to 8480' per company man request.
Gamma Survey to surface per procedure.
Added 57 BBL water to fill hole from 1540'
Your crew today was J.Adams, M.Stewart.

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

CEMENT BOND LOG PRESENTATION

MAINLOG SECTION 0 PSI
5"=100'

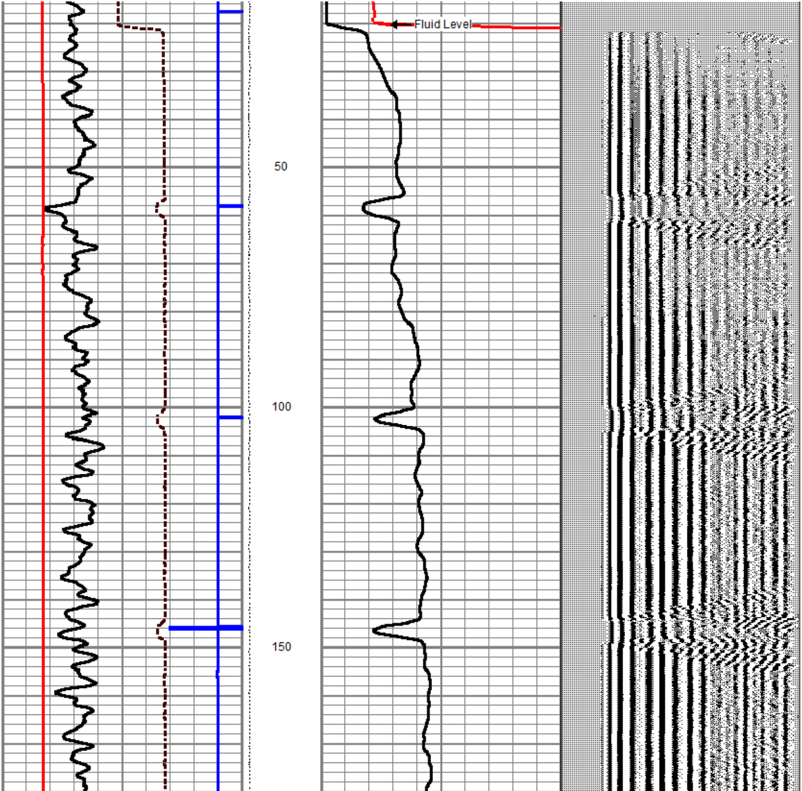
Database File	2015_extraction_gp_jevans_2_19_19.db
Dataset Pathname	pass2.1
Presentation Format	cbl_drs
Dataset Creation	Sat Feb 07 18:35:20 2015
Charted by	Depth in Feet scaled 1:240

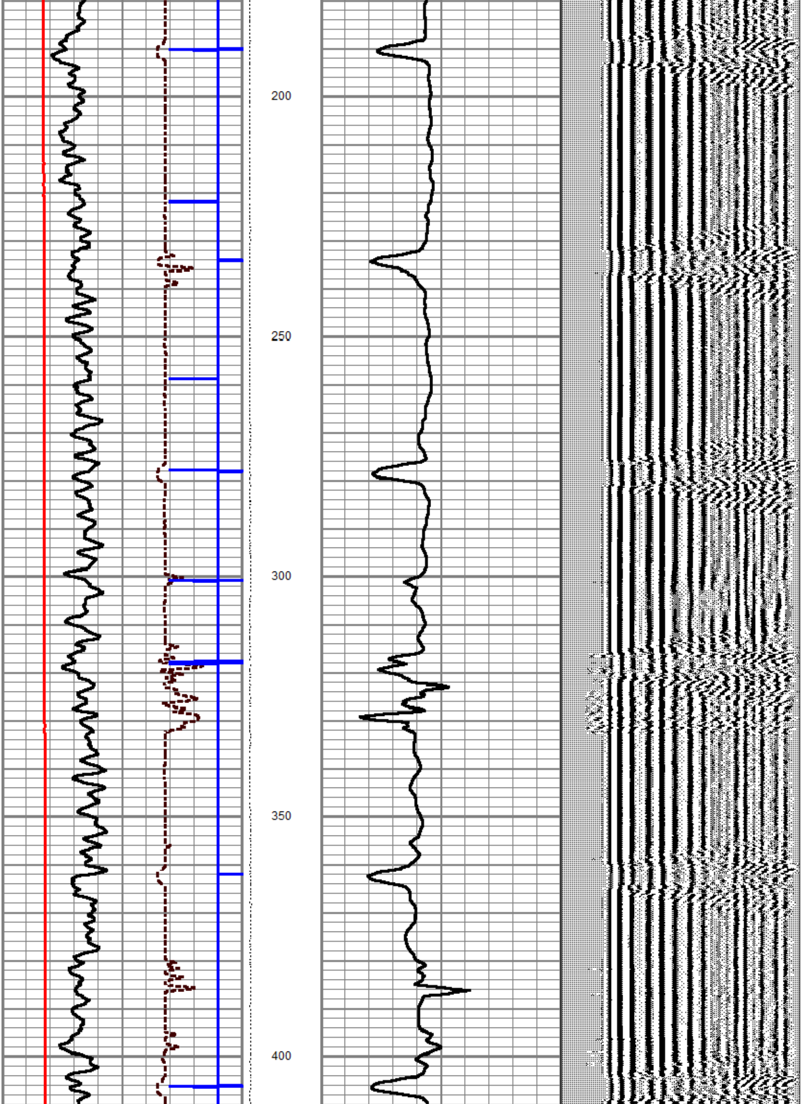
400 TRAVEL TIME (usec) 200
9 *Collar Locator* -1
0 Gamma Ray 200
0 *TEMP (degF)* 300

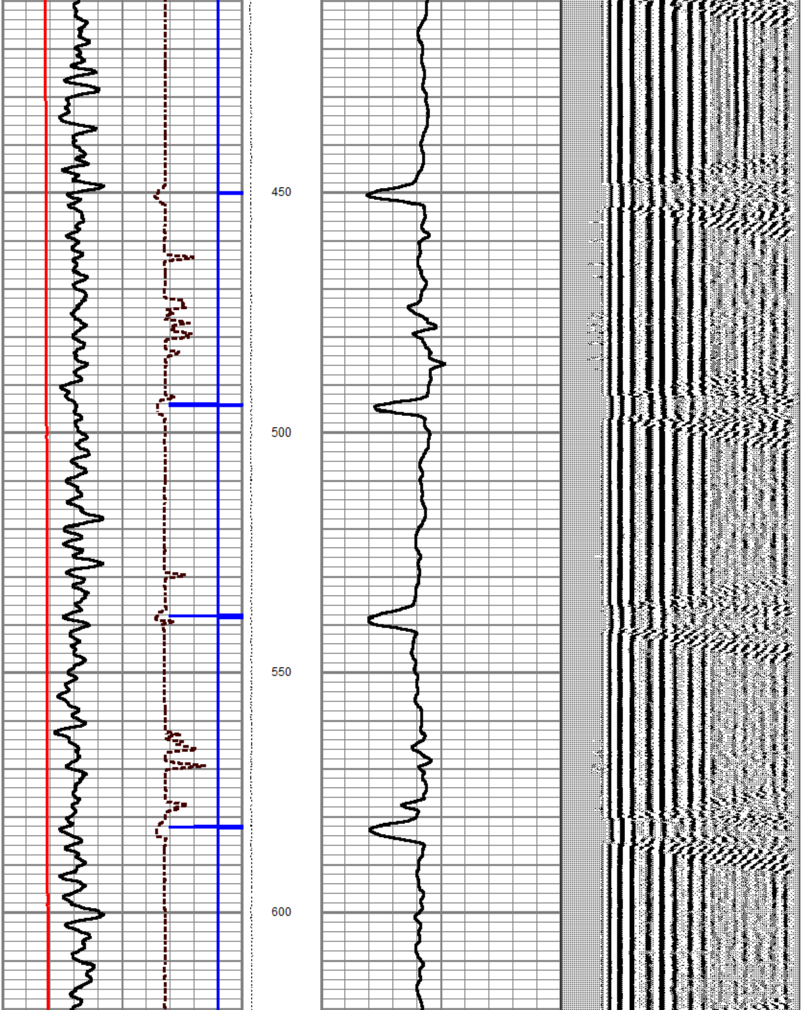
LTEN
0 (lb) 2000

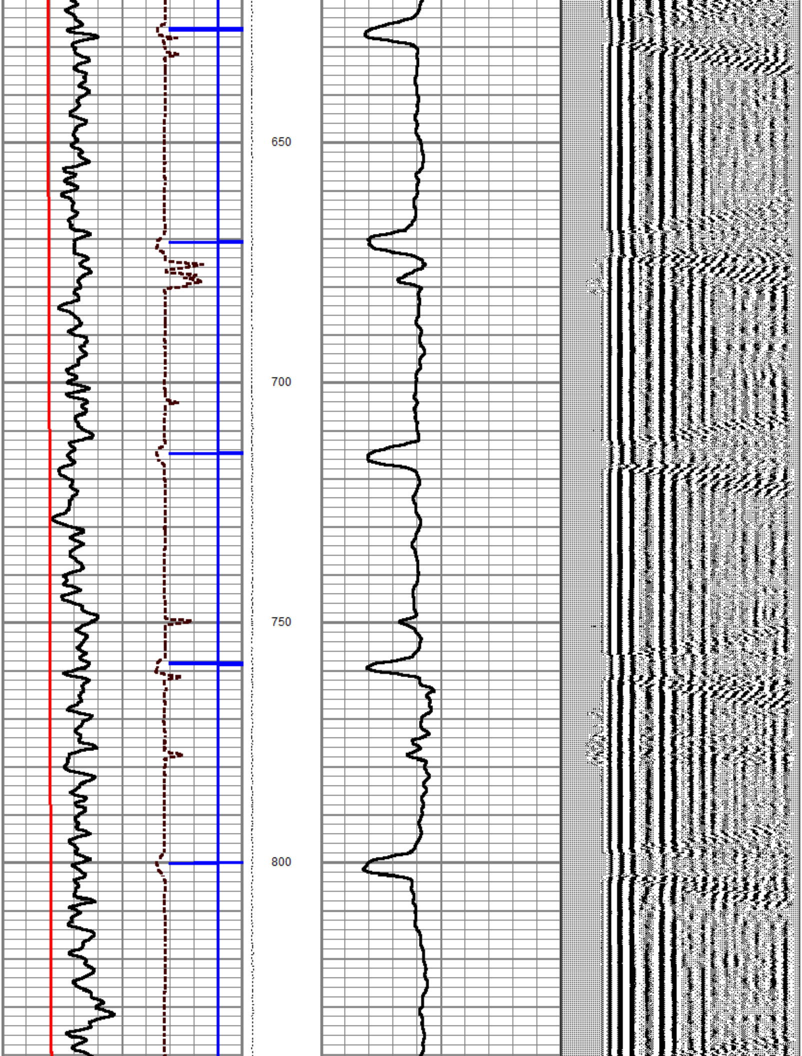
0 AMP AMPLITUDE x 10 (mV) 10
0 AMPLITUDE (mV) 100

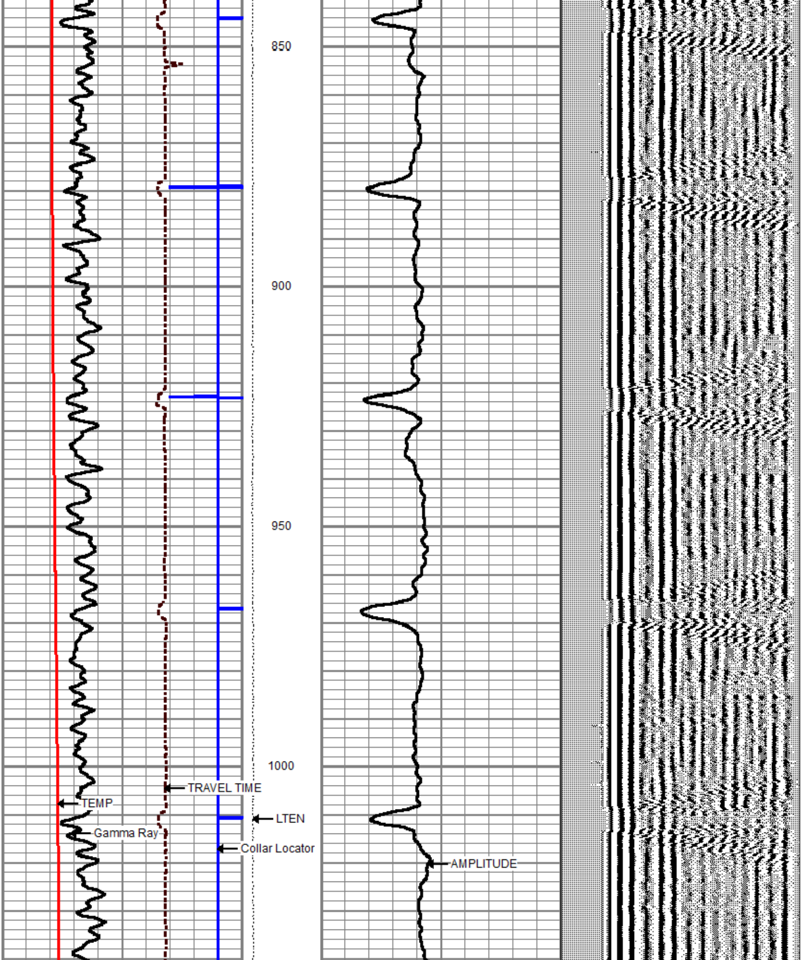
200 VDL 1200

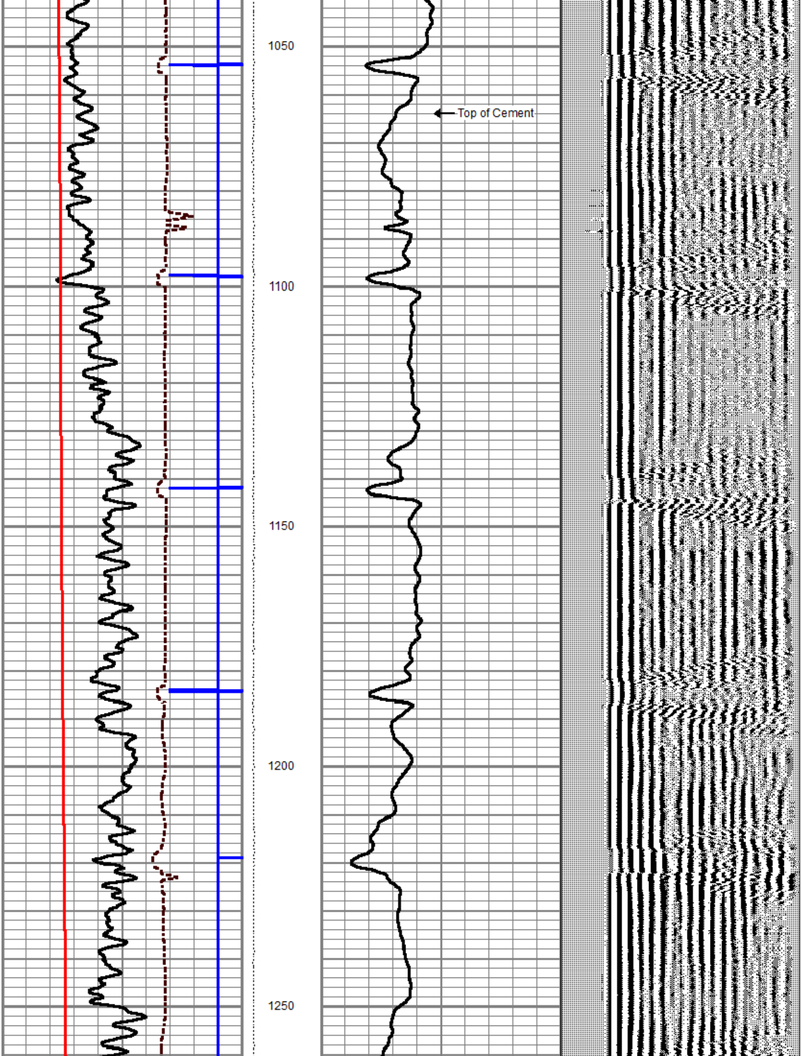


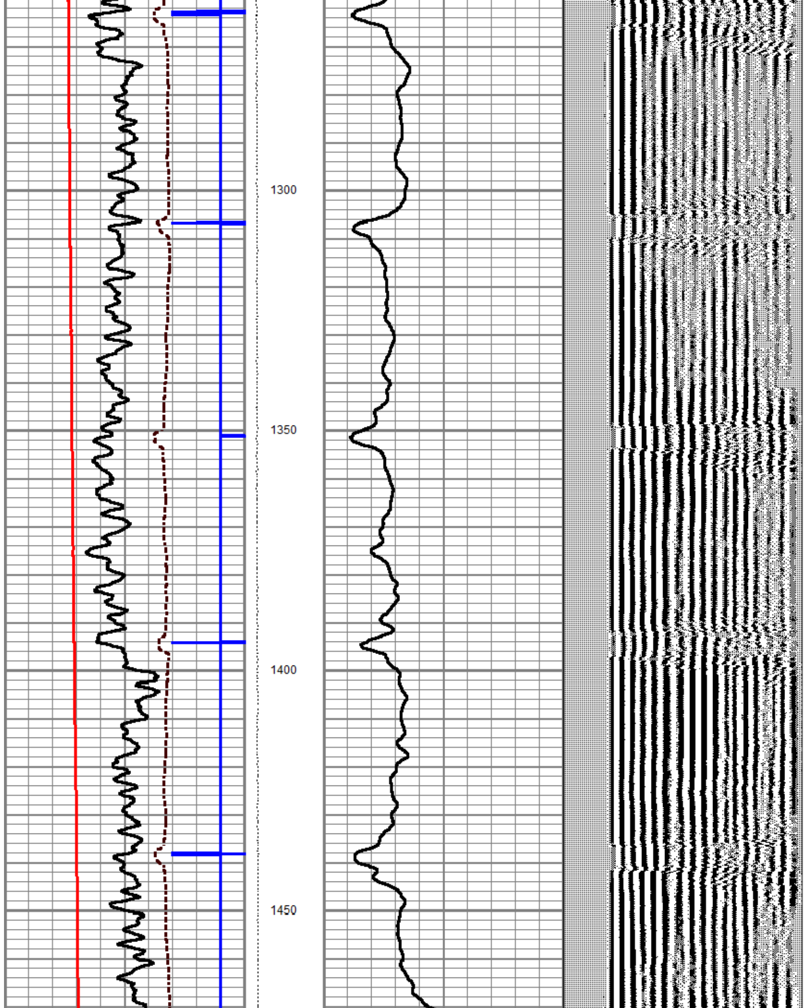


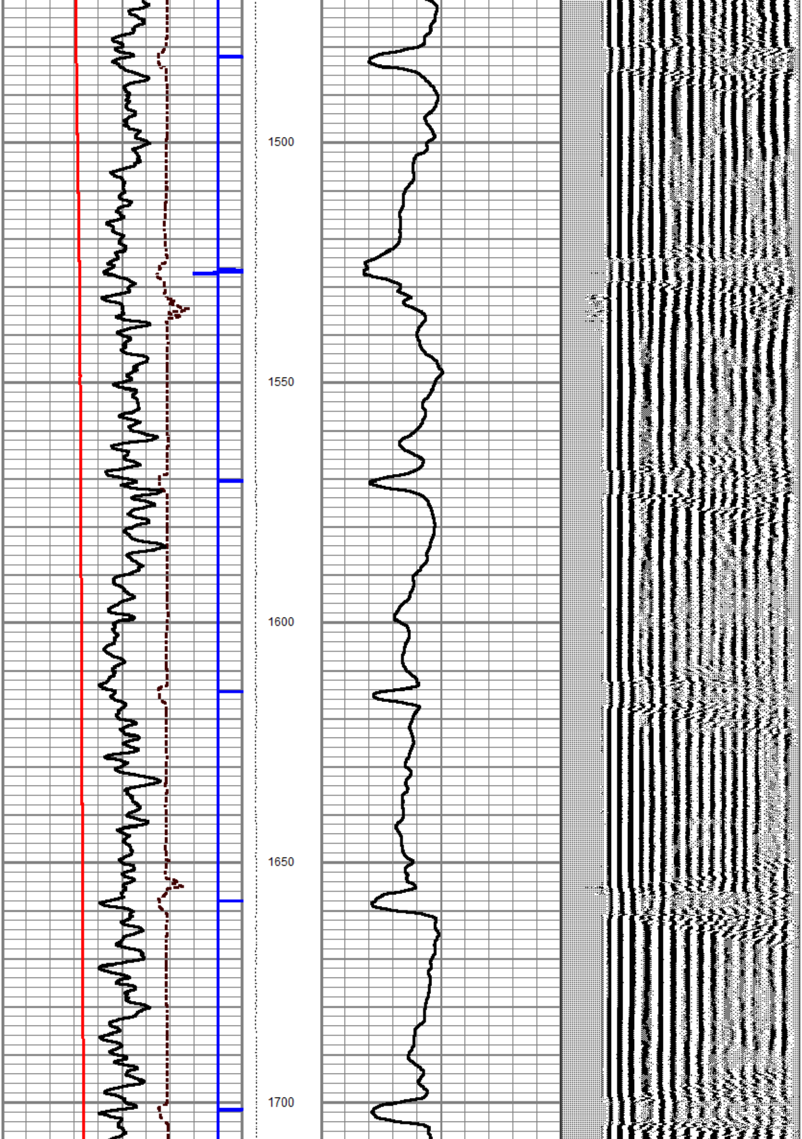


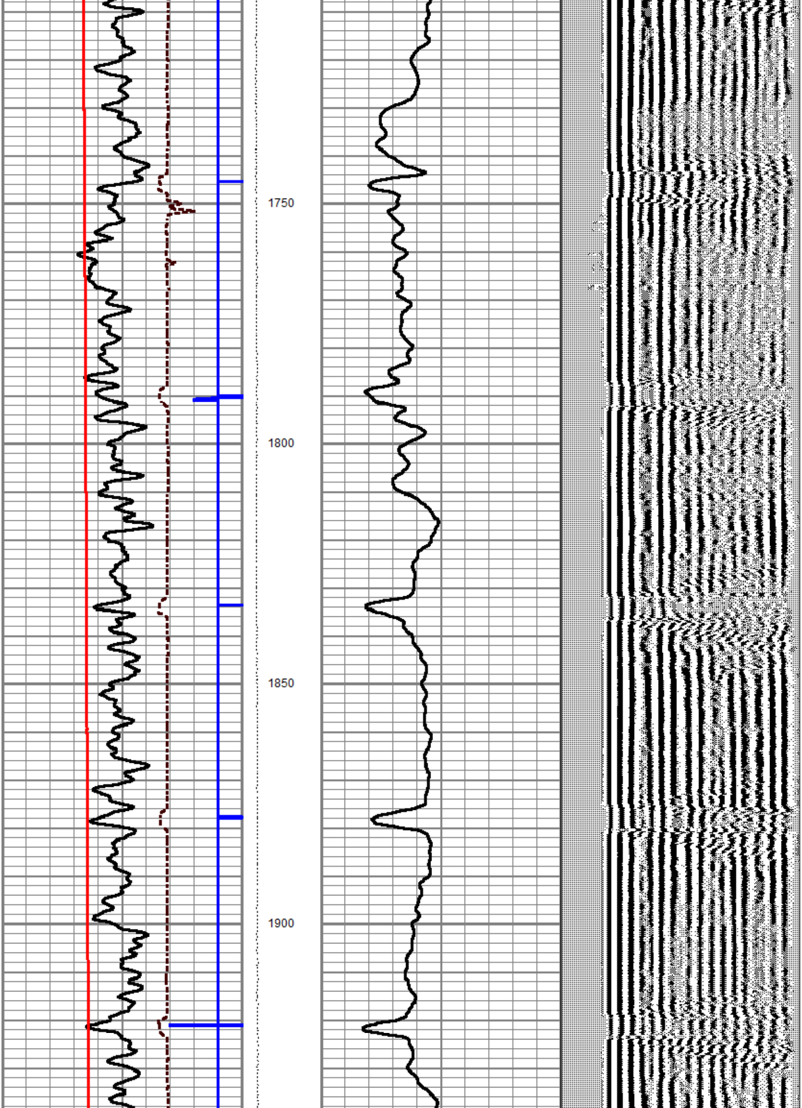


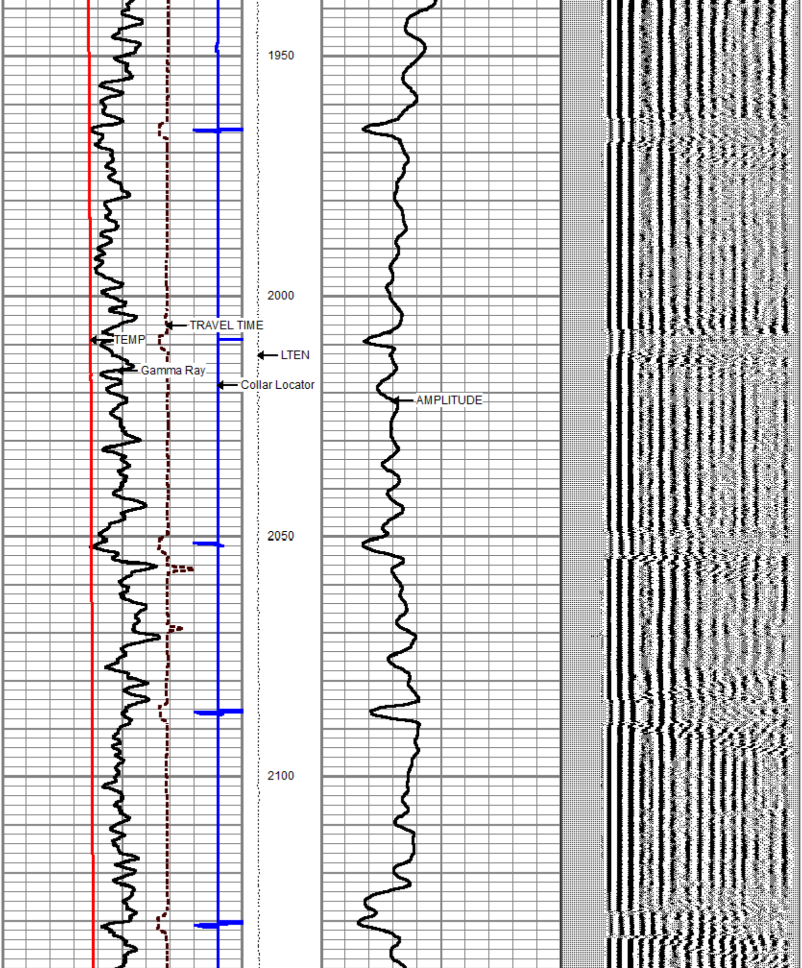


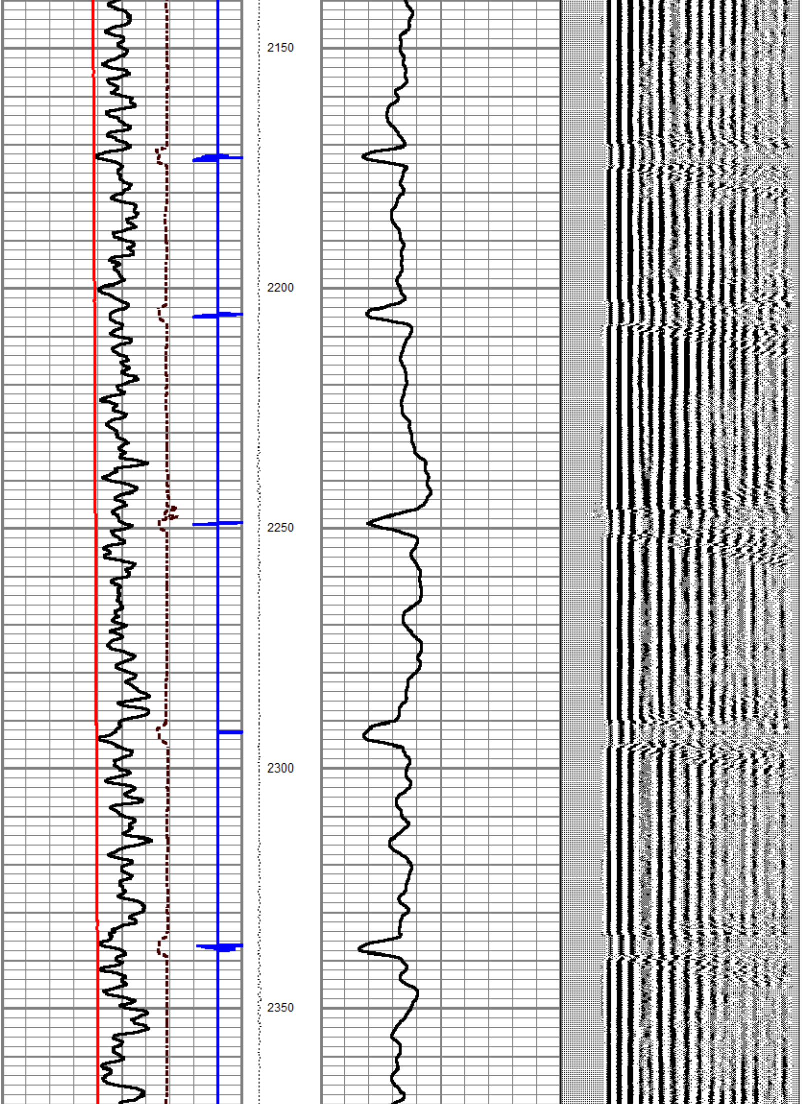


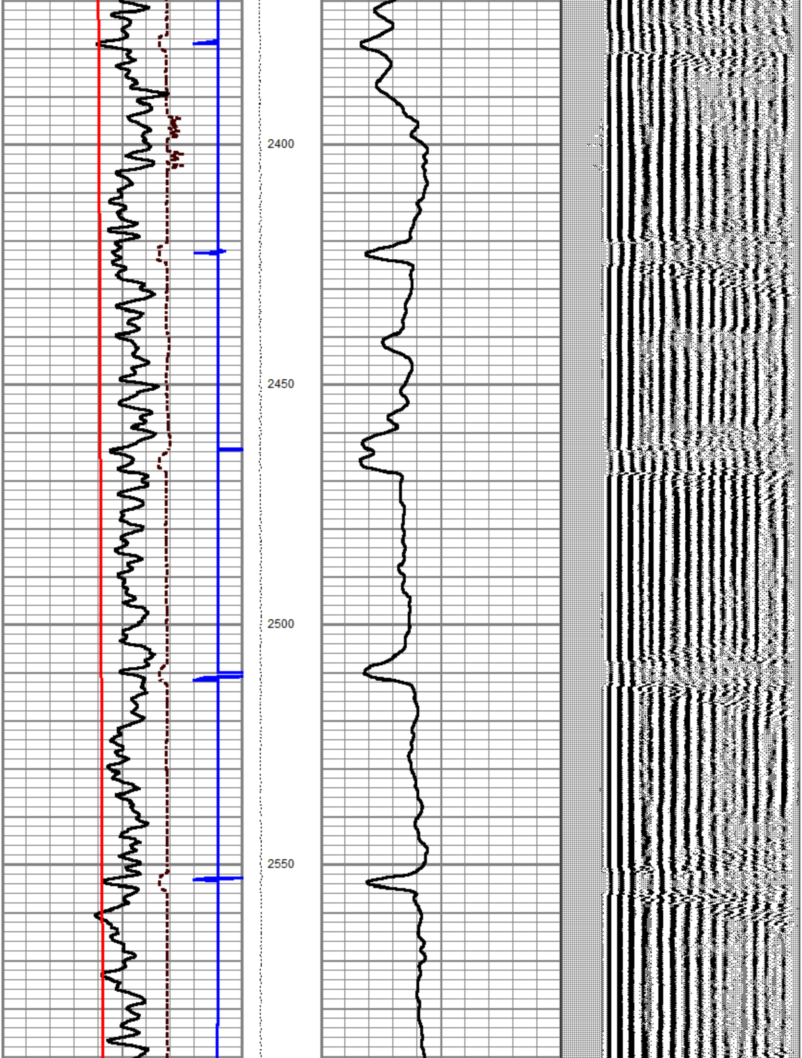


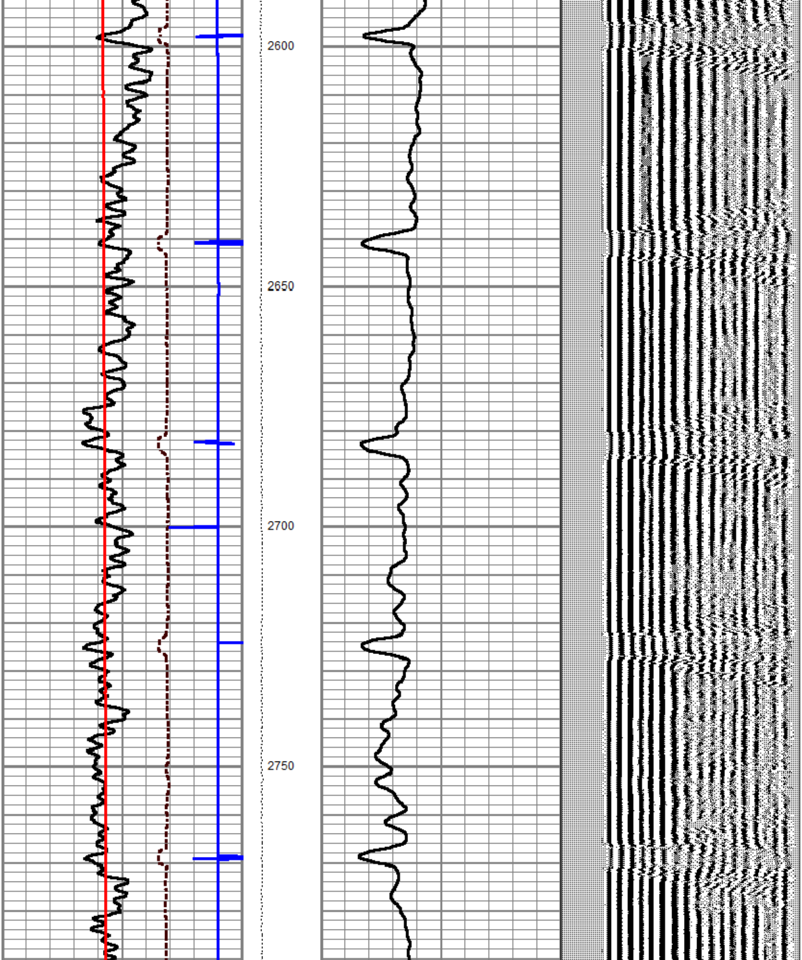


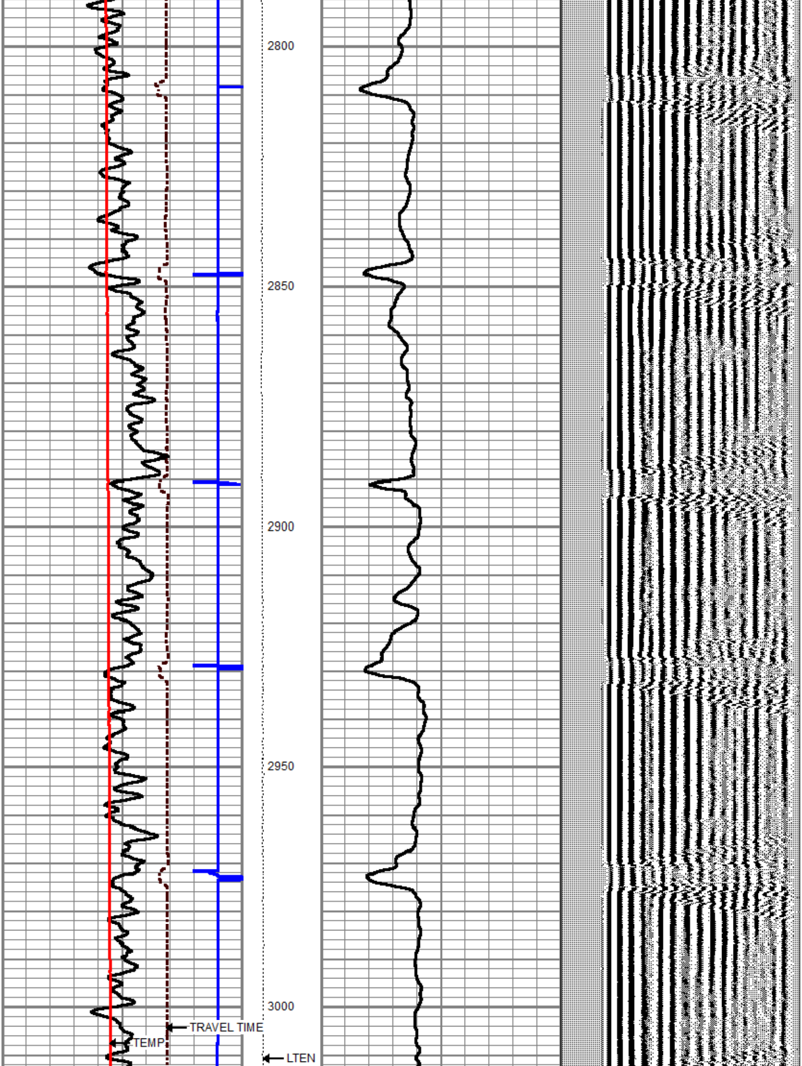


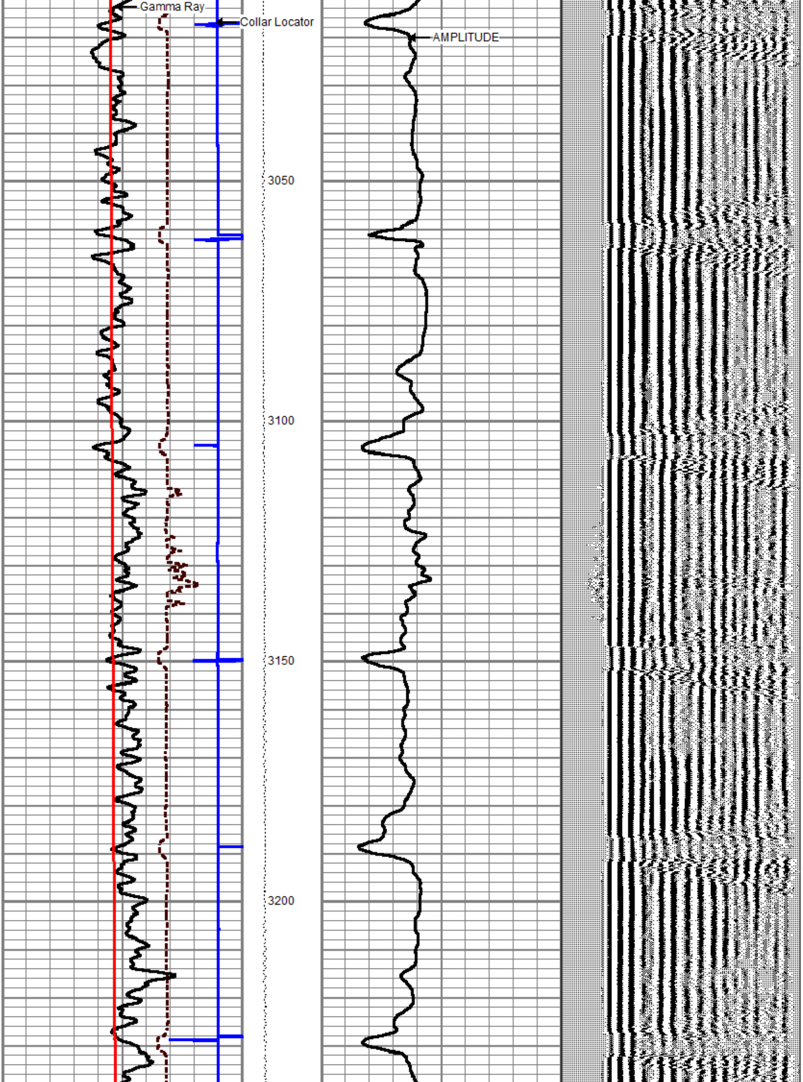


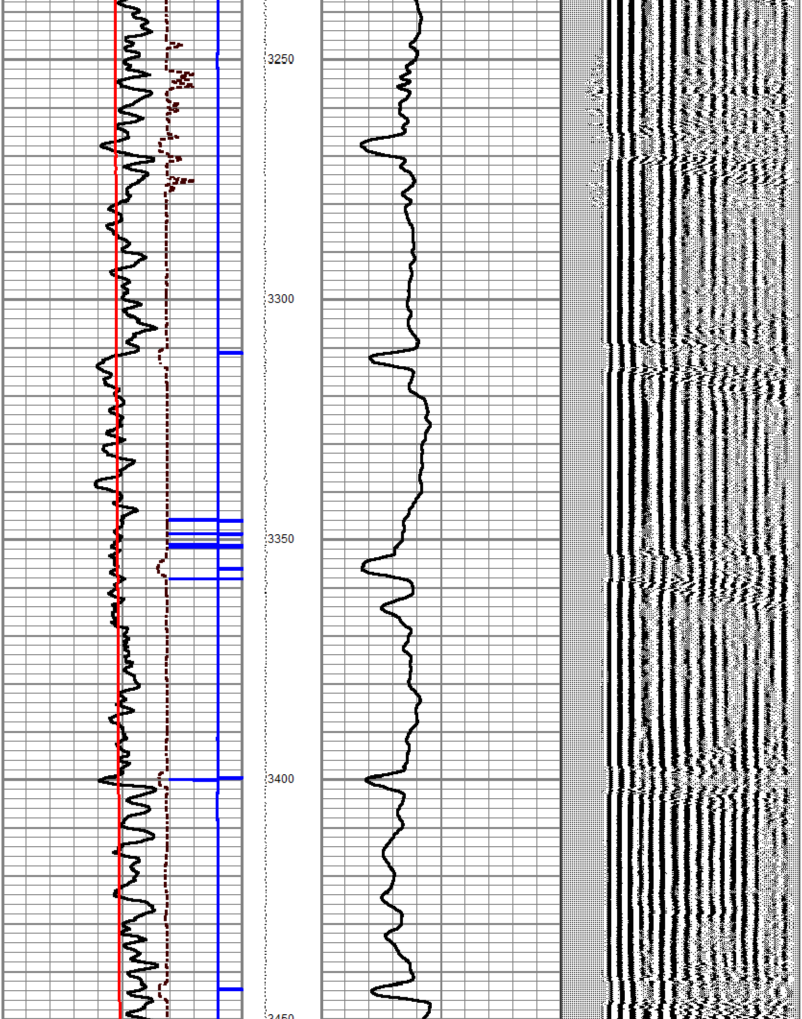


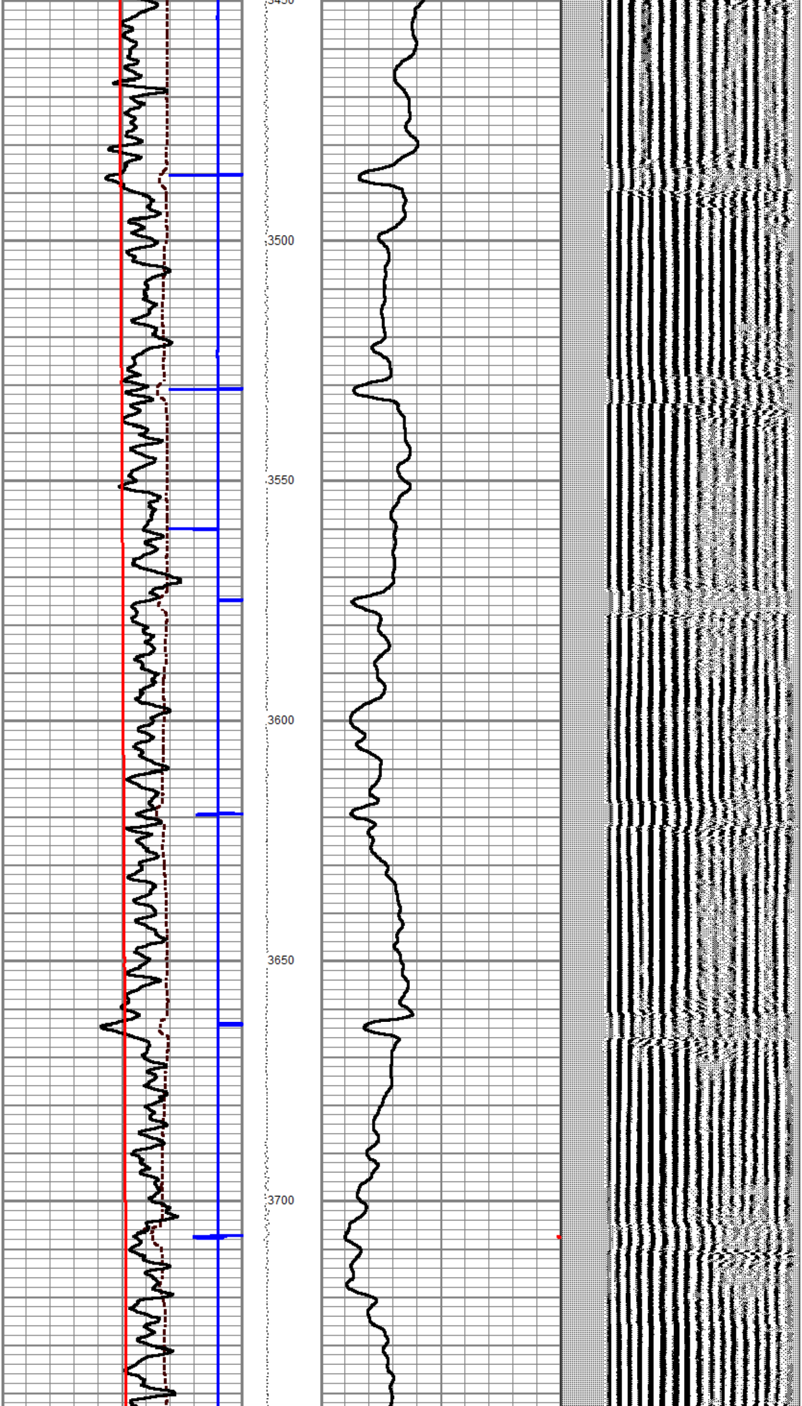


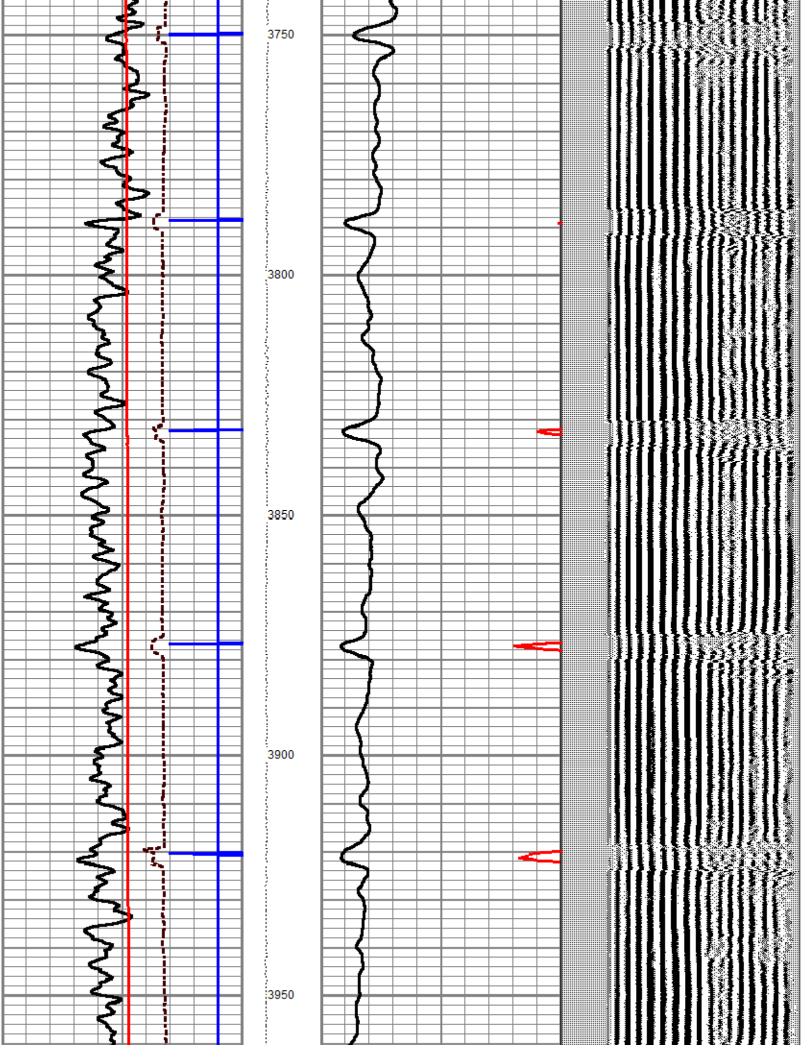








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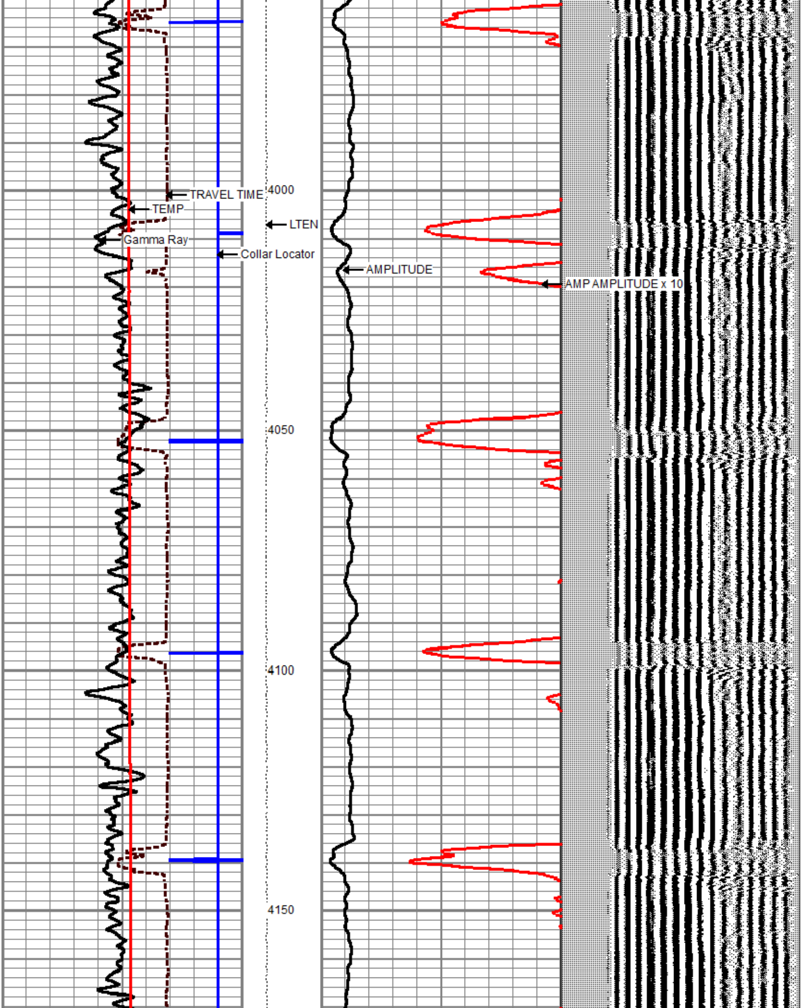
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4000
TEMP
LTEN
Gamma Ray
Collar Locator
AMPLITUDE
AMP AMPLITUDE x 10
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4100
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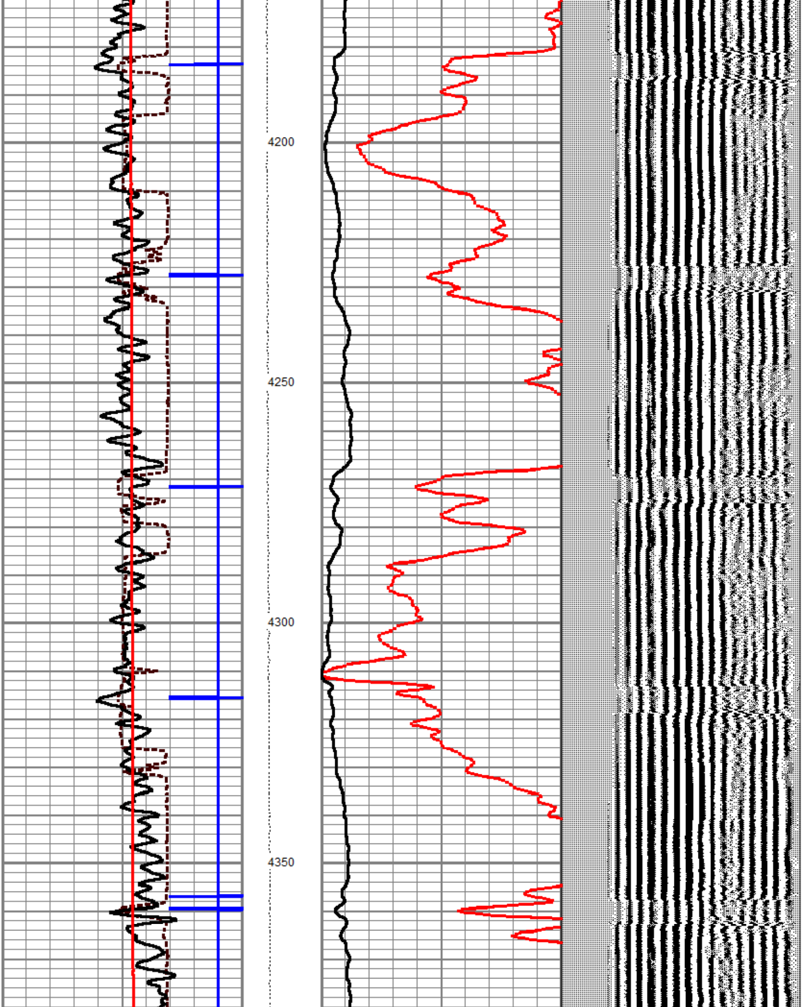
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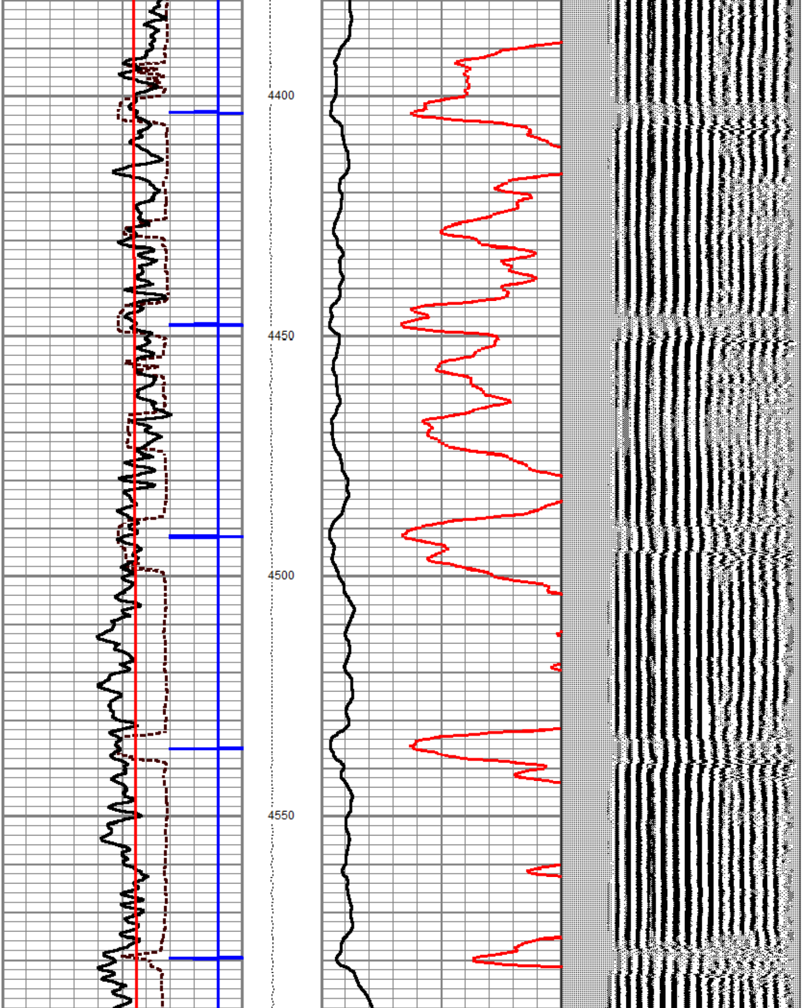
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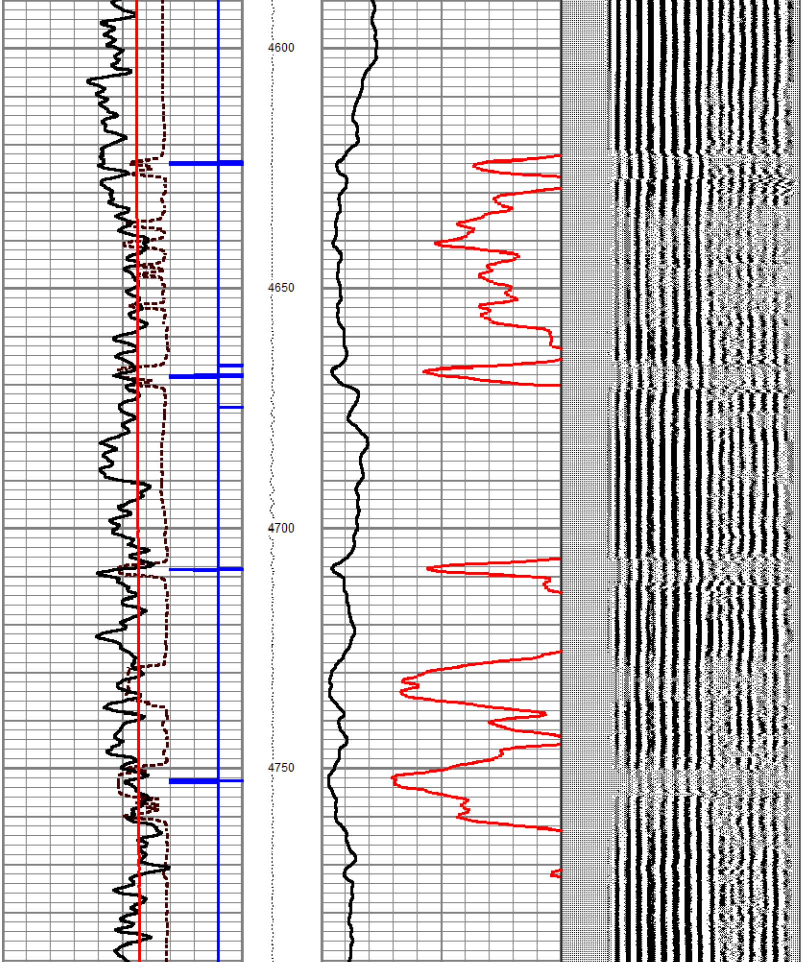
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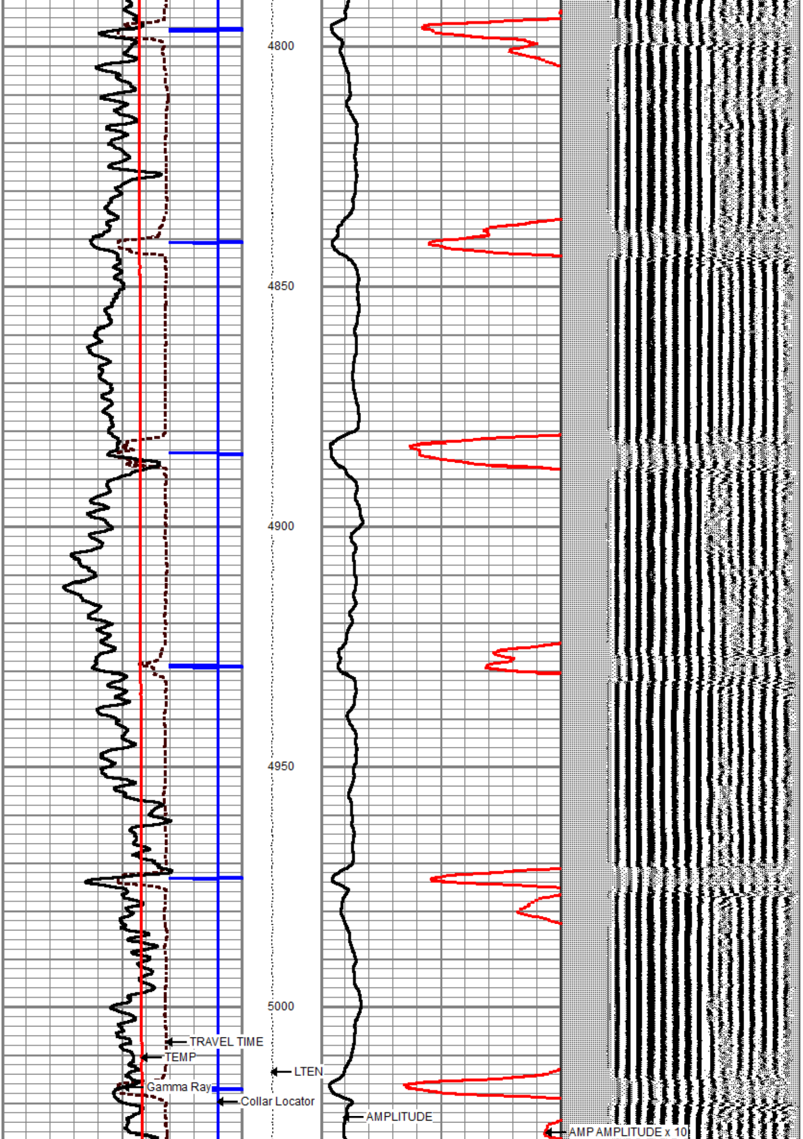
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5000
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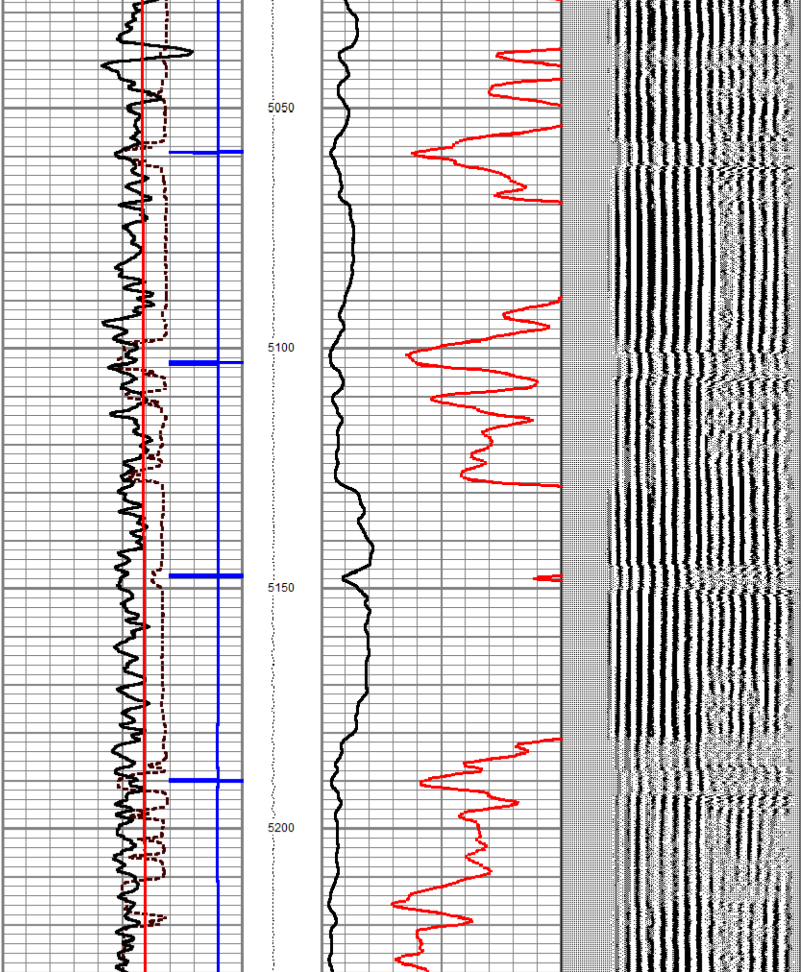
TEMP
Gamma Ray
Collar Locator
LTEN
AMPLITUDE
AMP AMPLITUDE x 10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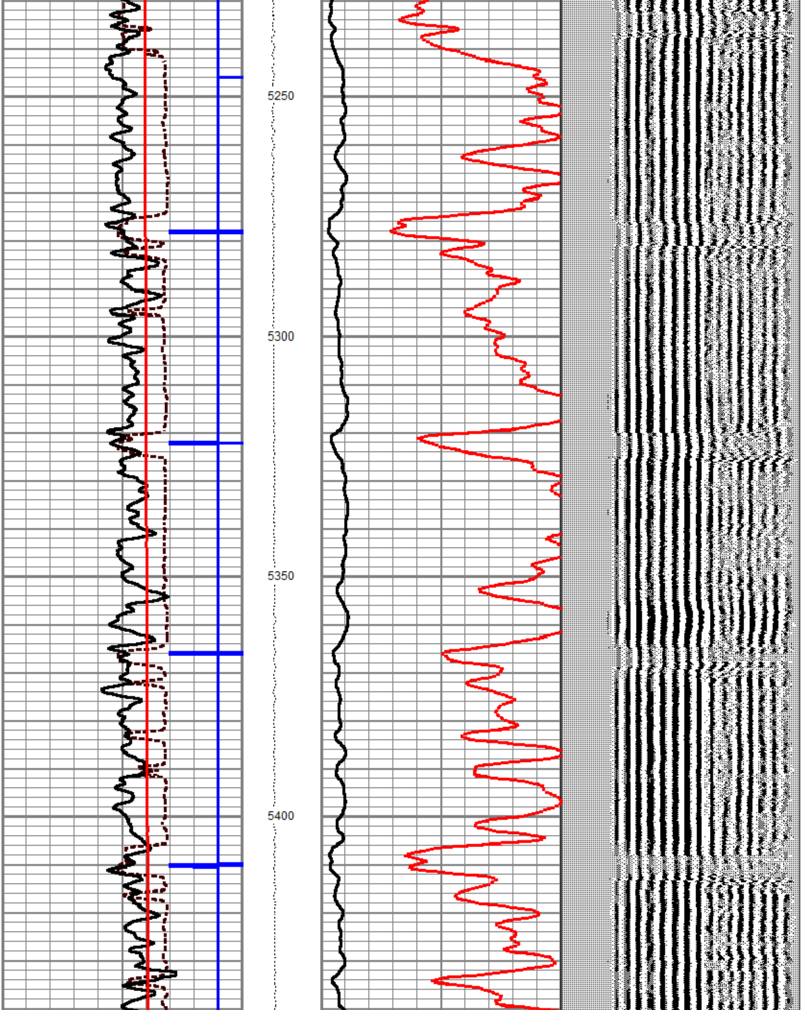
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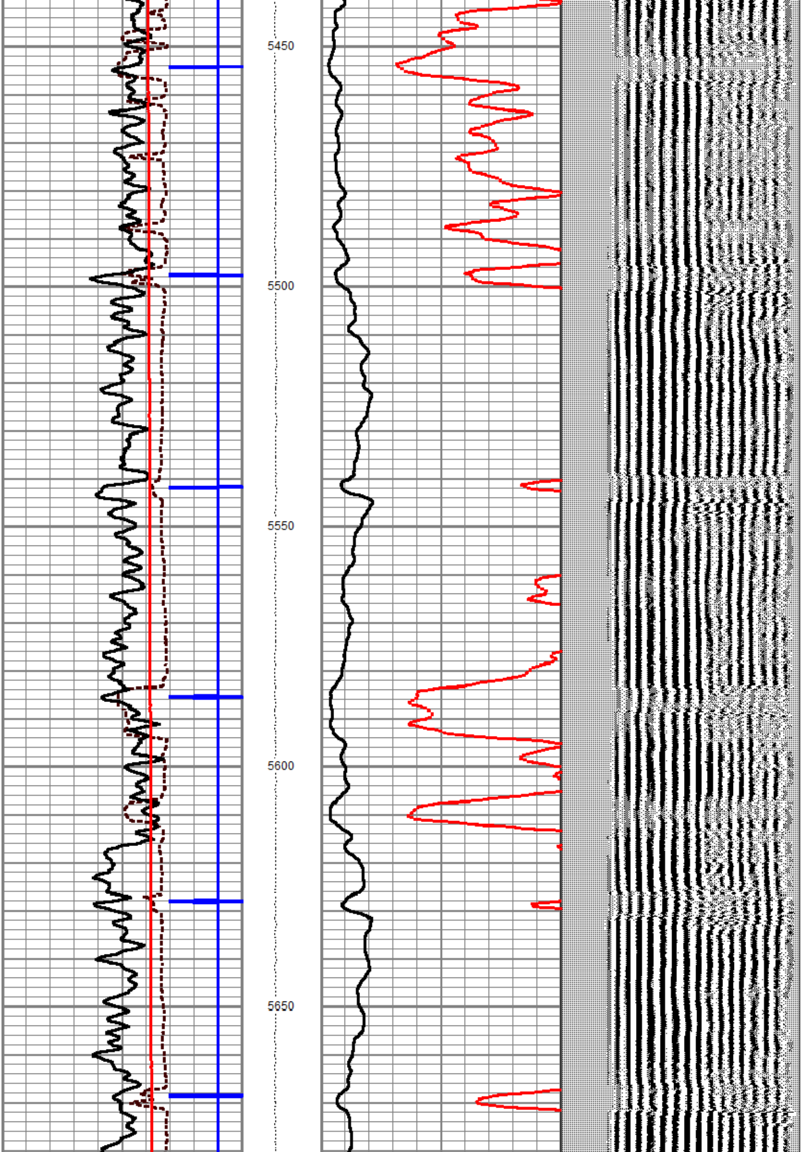
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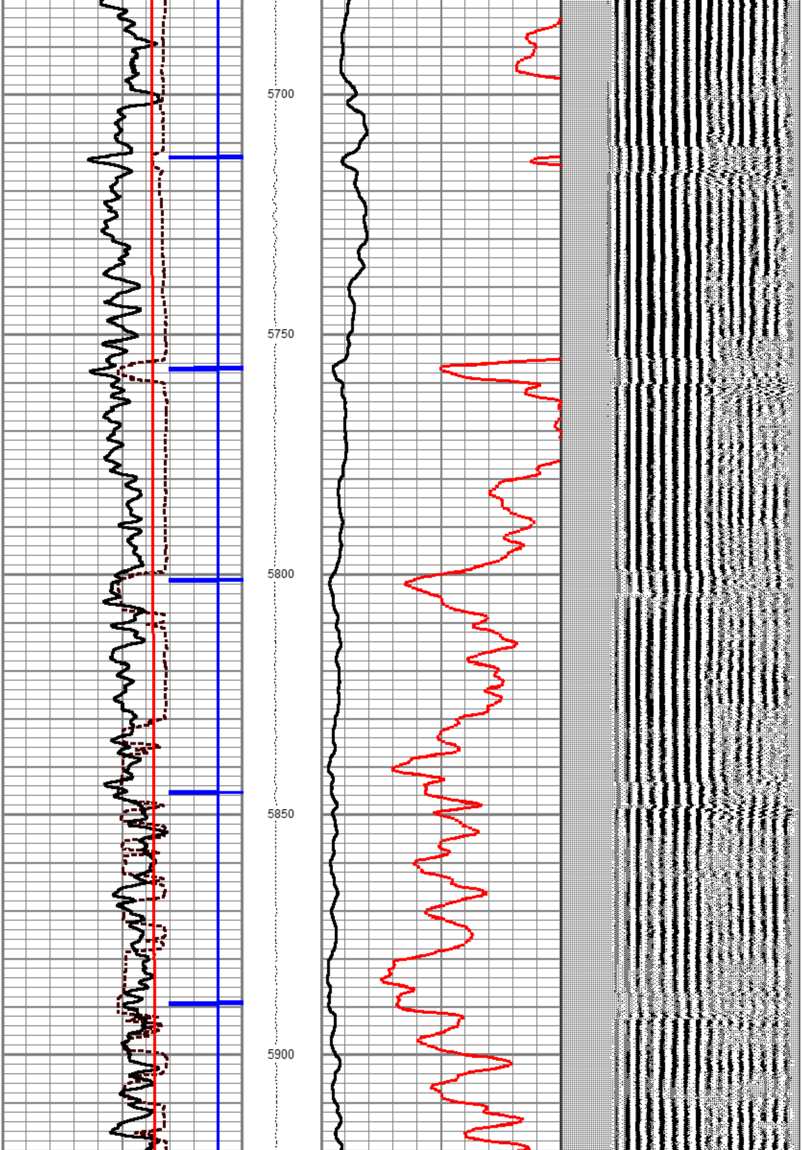
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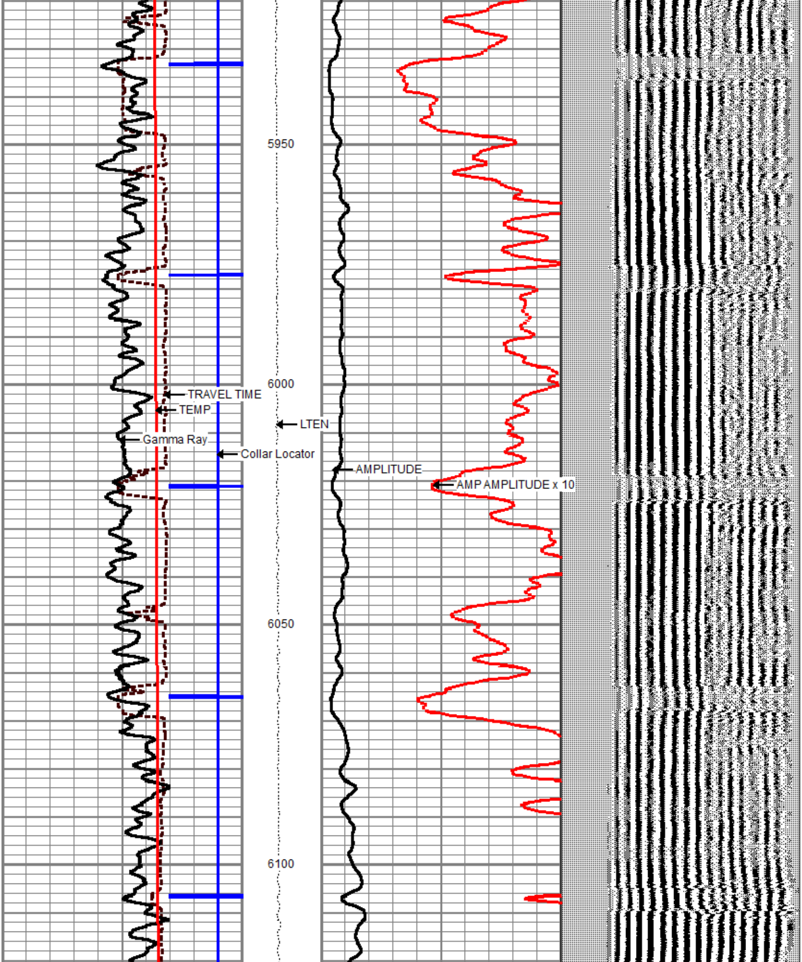
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AMP AMPLITUDE x 10
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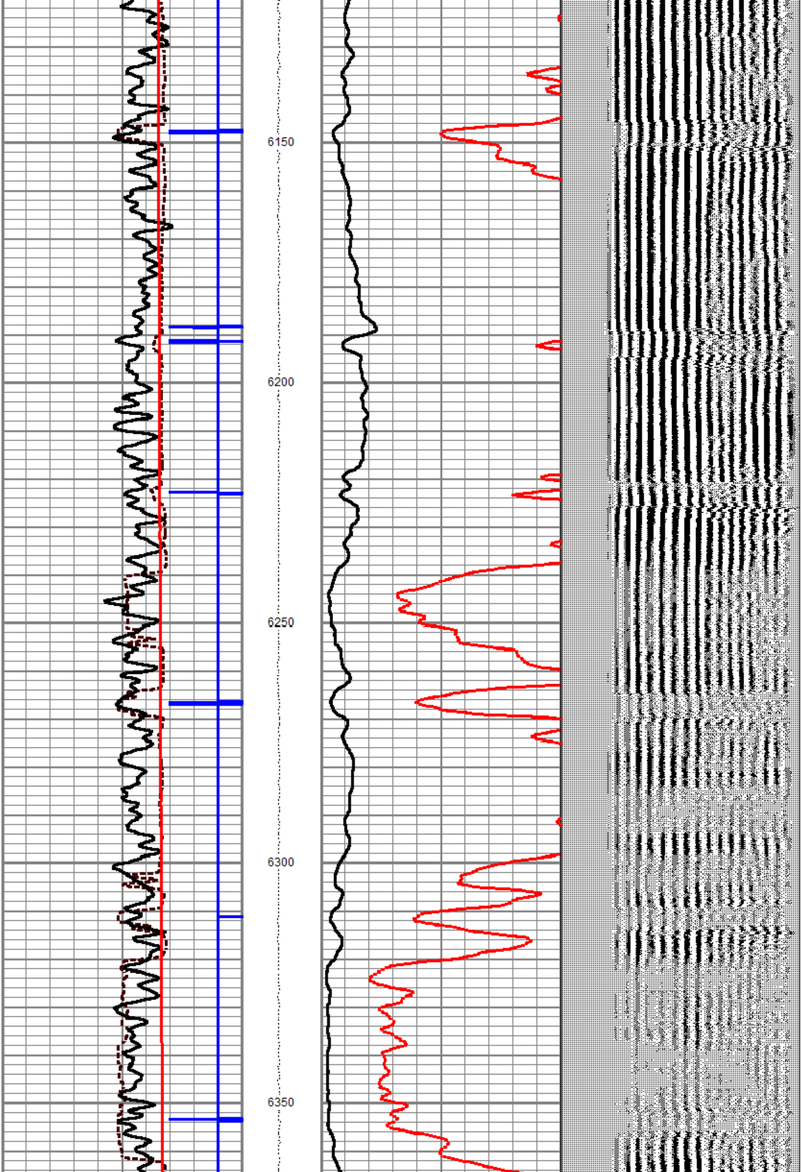
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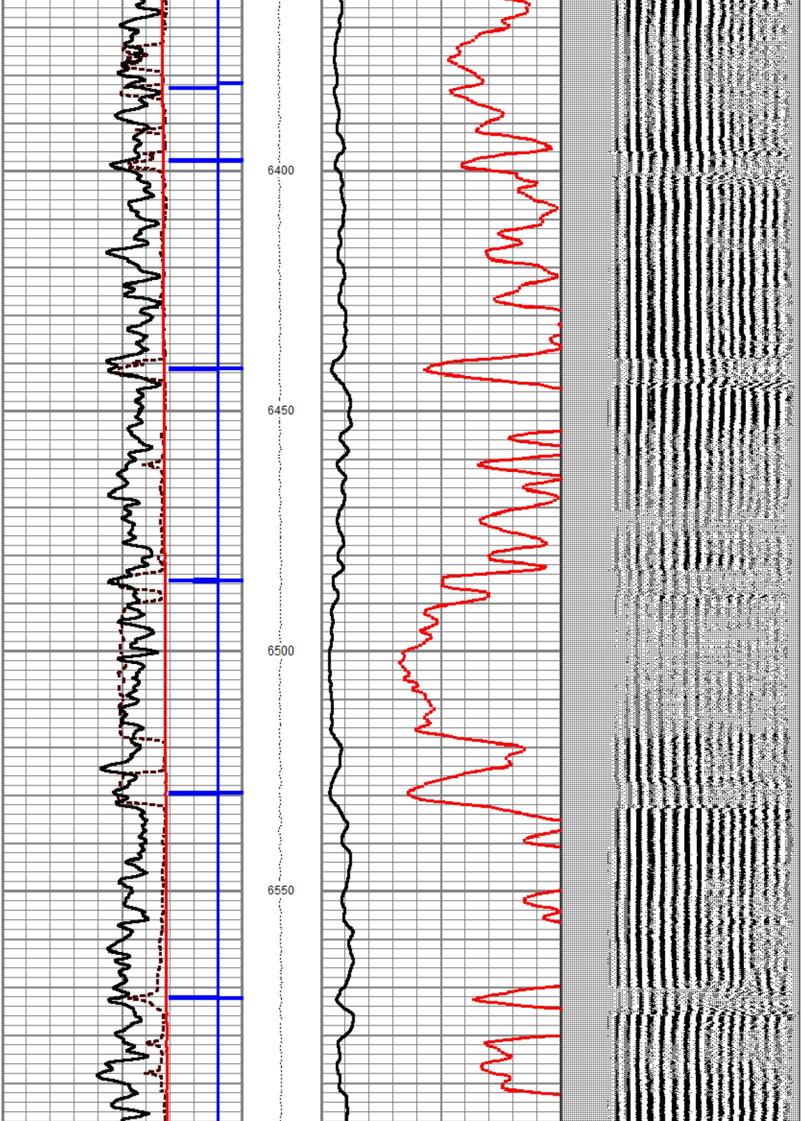
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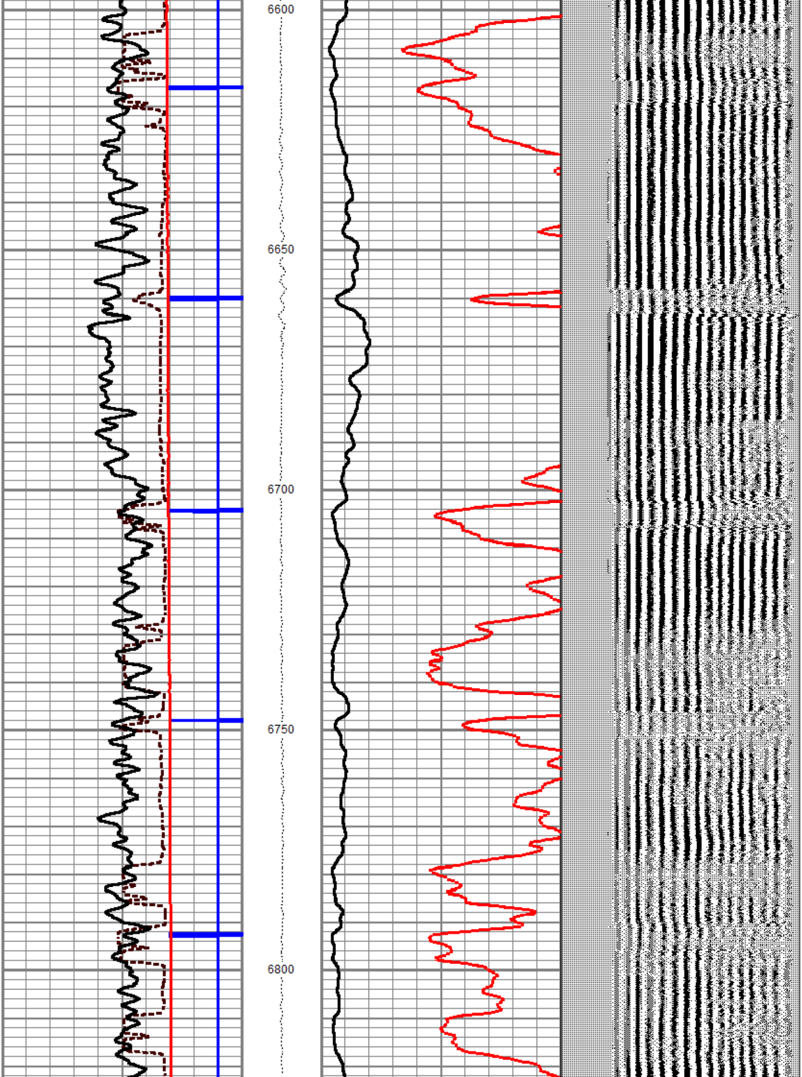
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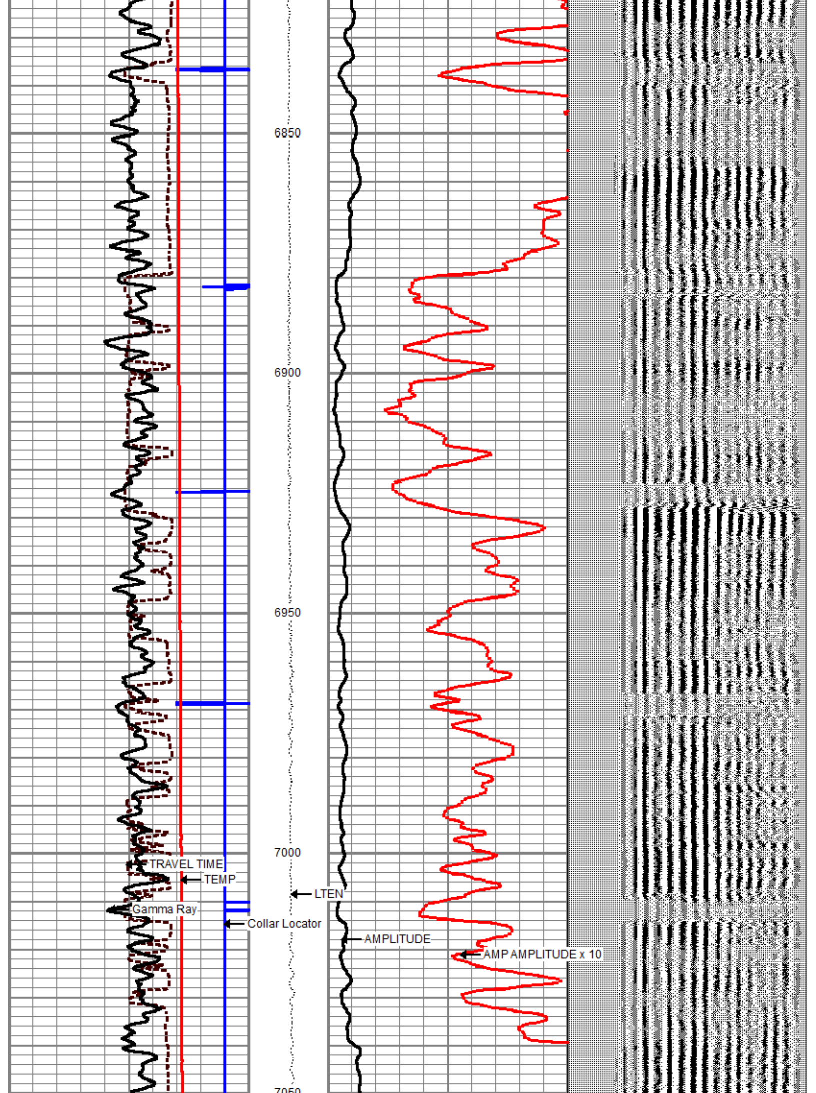
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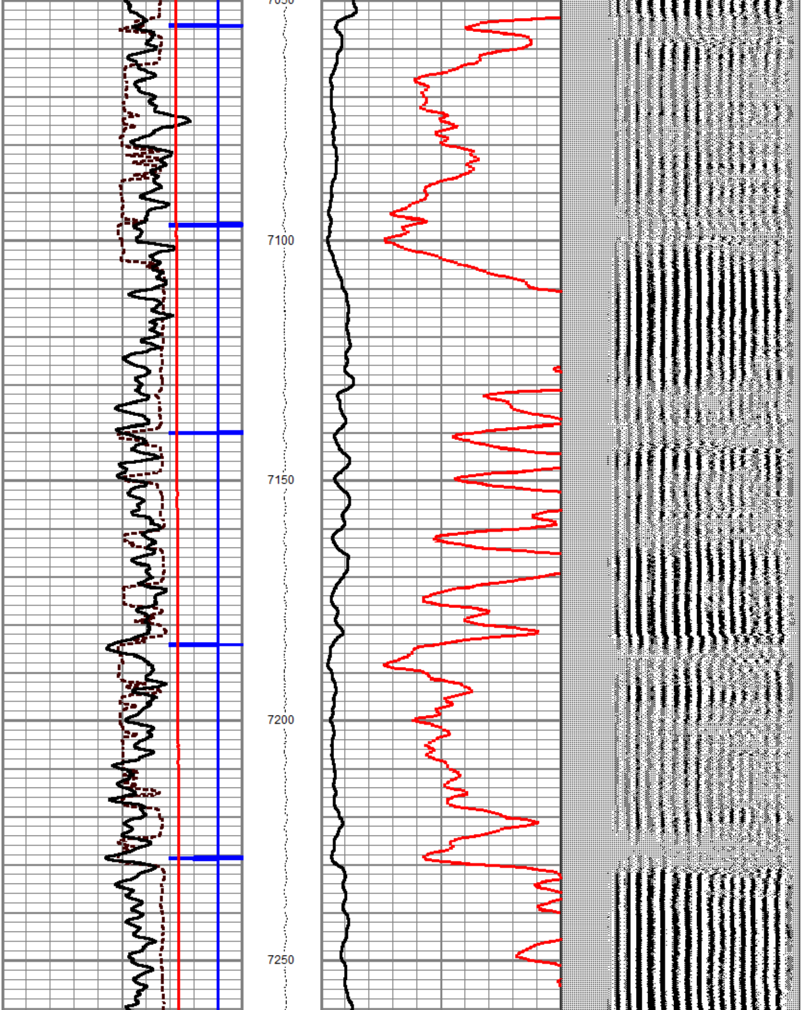
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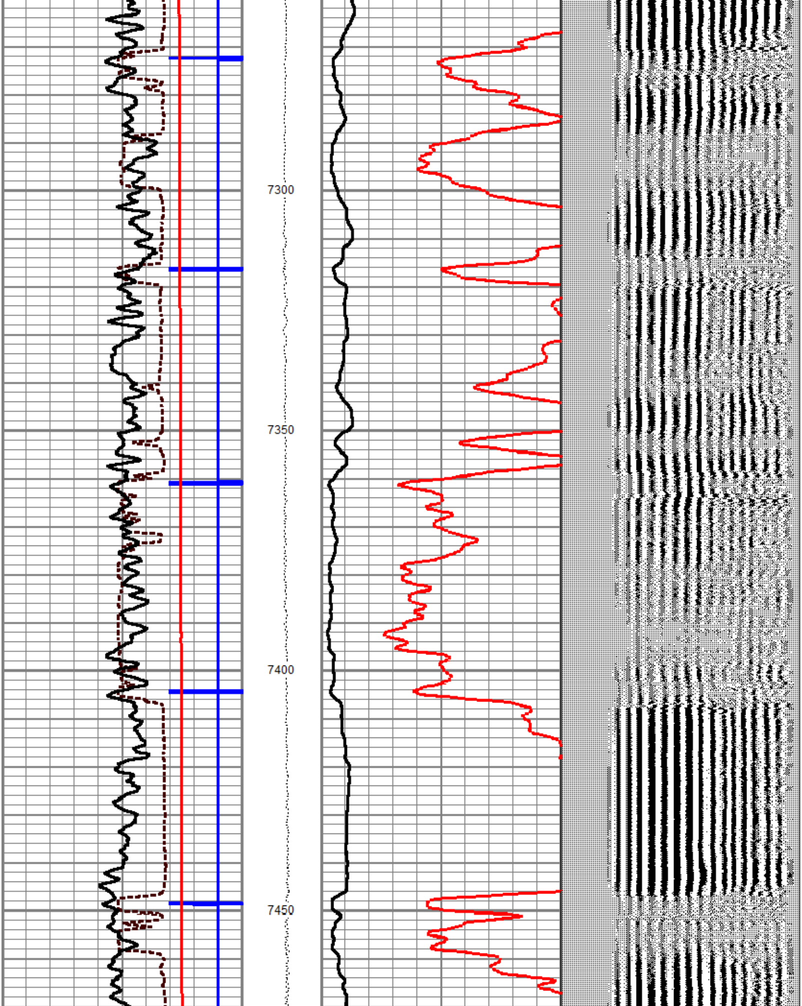
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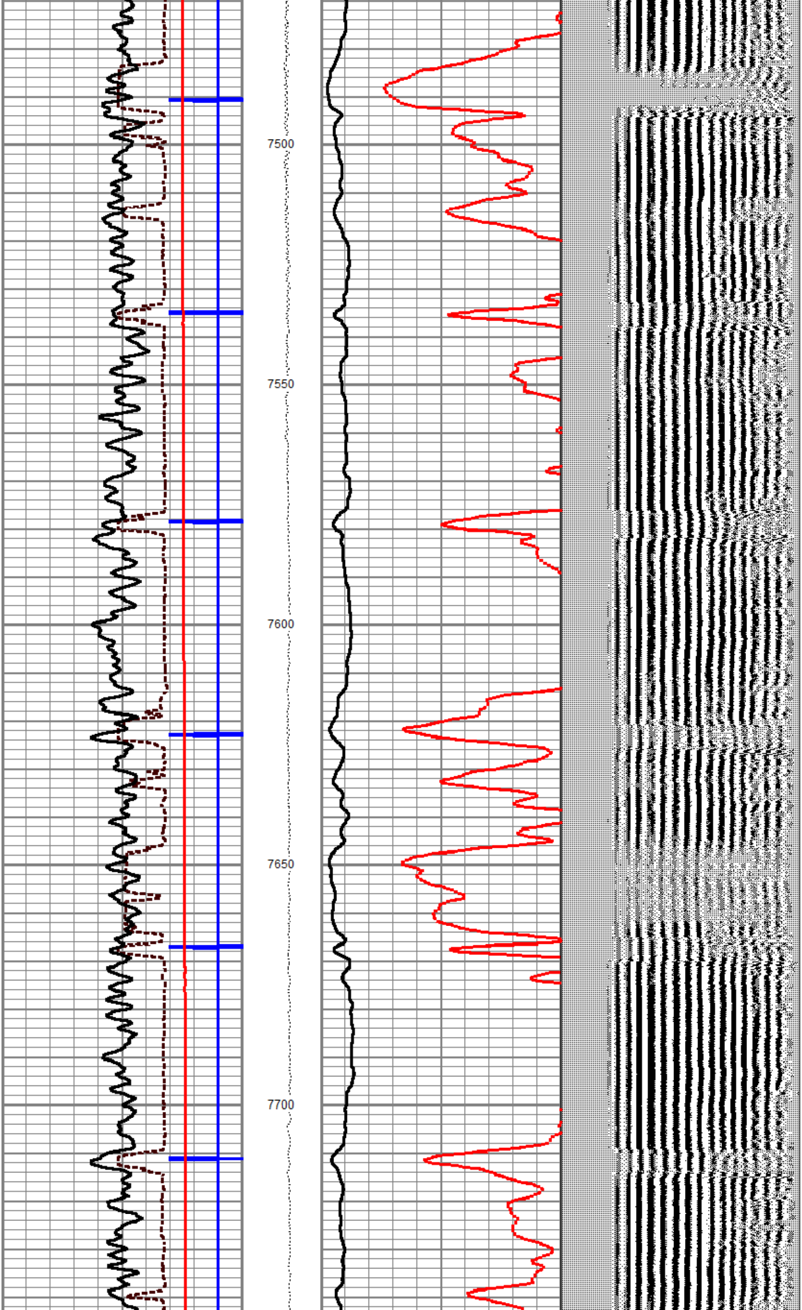
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gyrodata

CEMENT BOND LOG PRESENTATION

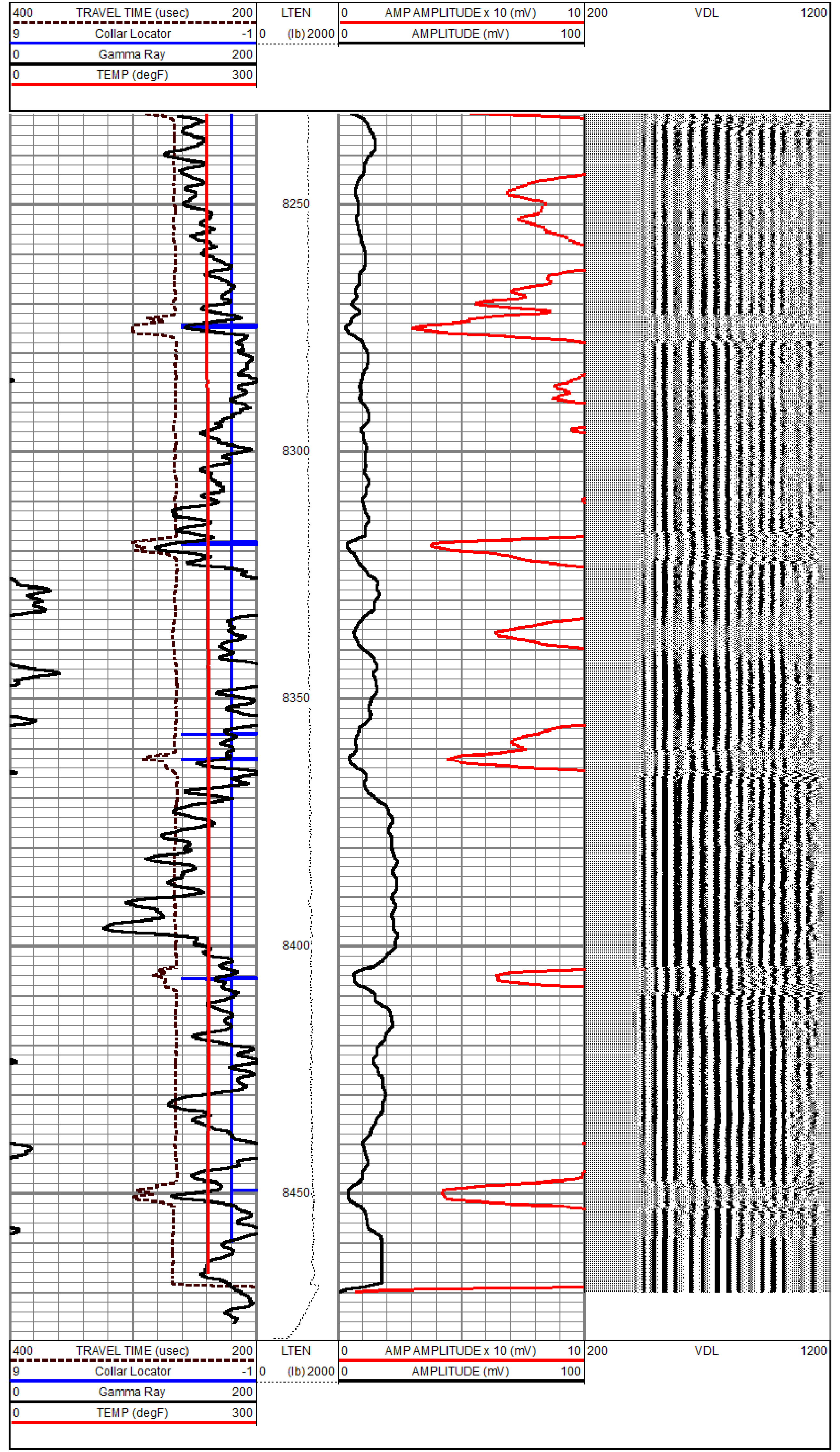
MAINLOG SECTION 0 PSI
5"=100'

gyrodata

CEMENT BOND LOG PRESENTATION

REPEAT LOG SECTION 0 PSI
5"=100'

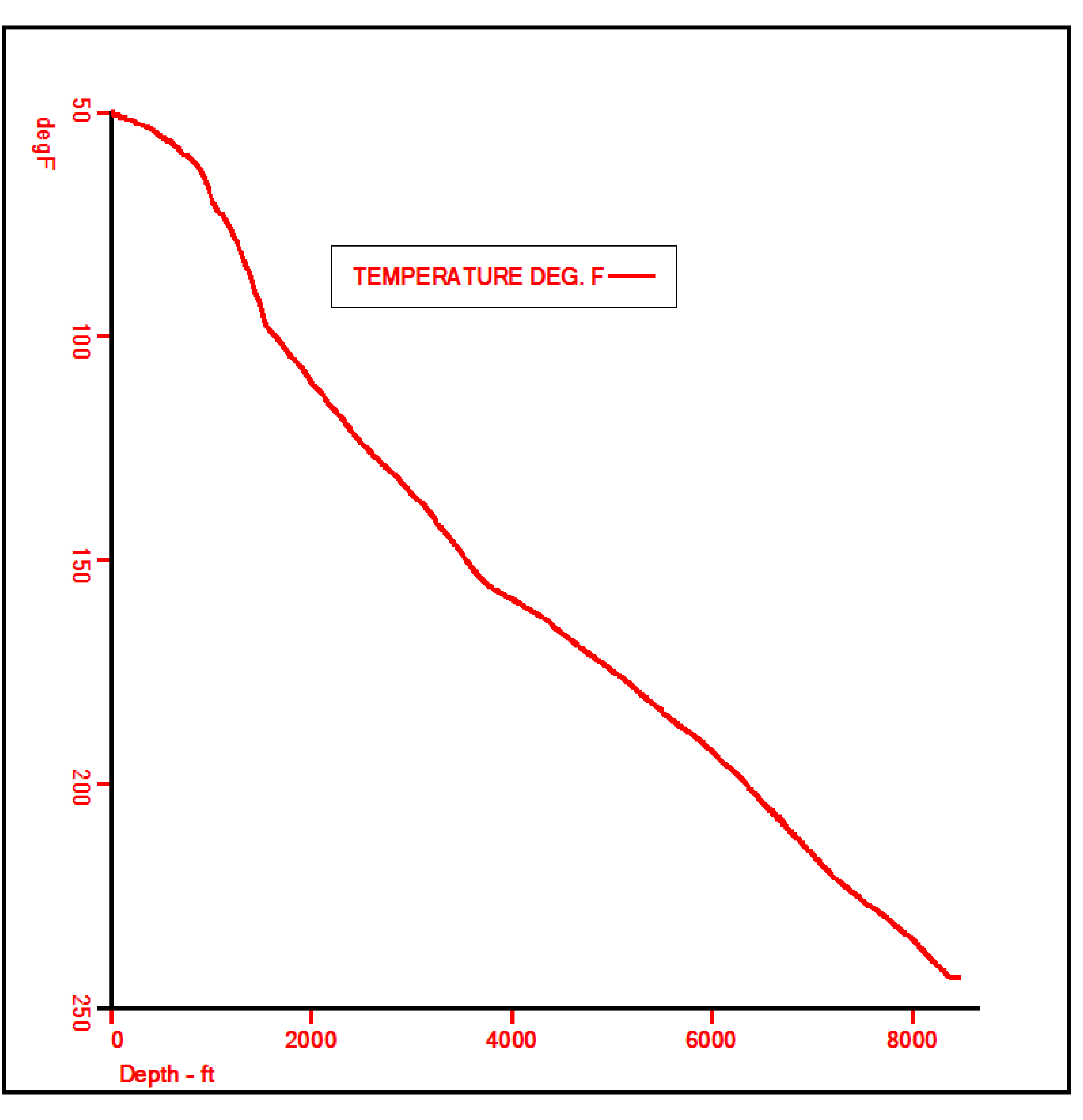
Database File	2015_extraction_gp_jevans_2_19_19.db
Dataset Pathname	pass1
Presentation Format	cbl_drs
Dataset Creation	Sat Feb 07 16:07:32 2015
Charted by	Depth in Feet scaled 1:240



gyrodata

CEMENT BOND LOG PRESENTATION

REPEAT LOG SECTION 0 PSI
5"=100'



Log Variables

Database C:\ProgramData\Warrior\Data\2015_extraction_gp_jevans_2_19_19.db
Dataset field/well/run1/pass2.1

Top - Bottom

BHTEMP_Src	PPT usec	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN db/ft	SRFTEMP degF	CASEOD in	PERFS	TDEPTH ft
1	0	26	62	1.7	0.8	0	7	0	8500

BOTTEMP degF	BOREID in
250	8.75

Calibration Report

Database File	2015_extraction_gp_jevans_2_19_19.db
Dataset Pathname	pass2.1
Dataset Creation	Sat Feb 07 18:35:20 2015

Gamma Ray Calibration Report

Serial Number:	234GR4-IPCD9-01	
Tool Model:	GR-Tek-Co	
Performed:	Thu Mar 13 23:43:39 2014	
Calibrator Value:	120.0	
Background Reading:	104.4	cps
Calibrator Reading:	258.9	cps
Sensitivity:	0.8769	/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	234RIBT-IT4B1-0-FIELD 5.5(01-19-2015)	
Tool Model:	275 H/T RIB with I/E Temp	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	866.283	ft

Master Calibration, performed Sat Feb 07 18:35:17 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.026	0.552	0.000	62.165	107.538	2.814
CAL	0.000	0.341				
5'	-0.046	1.103	0.000	62.165	54.076	2.508
SUM						
S1	-0.011	0.518	0.000	100.000	189.082	2.123
S2	-0.018	0.497	0.000	100.000	193.826	3.584
S3	-0.010	0.485	0.000	100.000	201.957	2.030
S4	-0.001	0.487	0.000	100.000	204.856	0.296
S5	-0.012	0.518	0.000	100.000	188.519	2.258
S6	-0.012	0.571	0.000	100.000	171.407	2.115
S7	-0.010	0.534	0.000	100.000	183.791	1.804
S8	-0.006	0.585	0.000	100.000	169.161	1.075

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

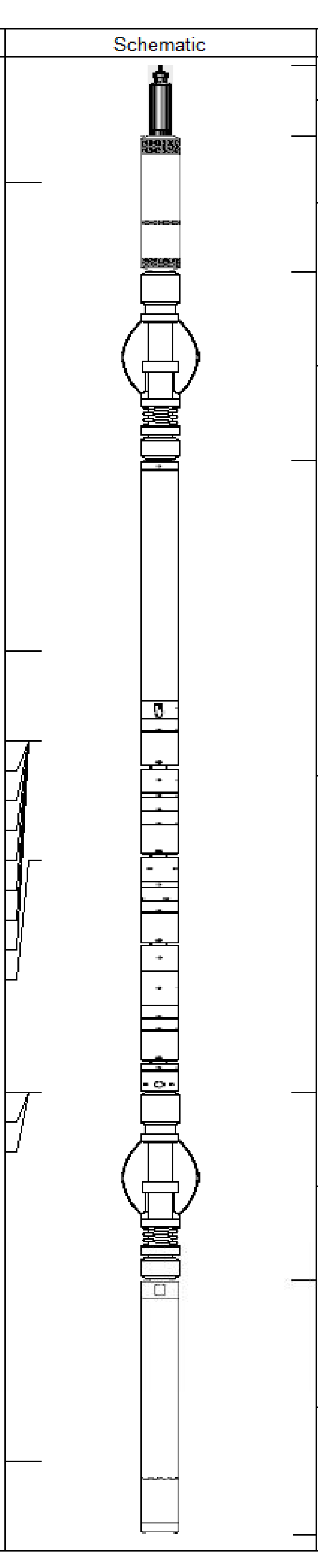
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.341	1.000	0.000

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-IT4B1-0-FIELD 5.5(01-19-2015)			
Tool Model:	275 H/T RIB with I/E Temp			
Performed:	Mon Jan 19 10:07:23 2015			
	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		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
TEMP	12.77					
WVFS8	11.48					
WVFS7	11.48					
WVFS6	11.48		275 H/T RIB with I/E Temp (234RIBT-IT4B1-0-F Tekco 2.75" 450 Deg. F RIB with I/E Temp	9.13	5.5(012.752015))	102.00
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		2.75 2 3/4" Tekco Adjustable Centralizer	2.73	2.75	25.00
			GR-GR-Tek-Co (234GR4-IPCD9-01) Tekco 2 3/4" 400 Deg. F Logging Gamma Ray	3.67	2.75	40.00
GR	1.04					

Dataset:	2015_extraction_gp_jevans_2_19_19.db: field/well/run1/pass2.1
Total length:	21.25 ft
Total weight:	215.60 lb
O.D.:	2.75 in

gyrodata

Company	EXTRACTION O & G		
Well	GP-JEVANS 2-19-19		
Field	WATTENBERG		
County	WELD		
State	CO	Country	USA