Company	BILL BARRETT CORPORATION
Well	JOLLEY FEDERAL 12C-20-691
Field	MAMM CREEK
County	GARFIELD State CO

HALLIBURTON

RADIAL CEMENT BOND LOG

Company	BILL BARRETT CORPORATION
Well	JOLLEY FEDERAL 12C-20-691
Field	MAMM CREEK
County	GARFIELD State CO

API No.: 050451895800 Serv #: 741592

Location: SURFACE HOLE: 1109' FNL & 1375' FWL
BOTTOM HOLE: 1837' FNL & 664' FWL

Other Services: JUNK BASKET / GAUGE RING & RMTE

Sec: 20 Twp: 6S Rge: 91W

Permanent Datum	GROUND LEVEL	Elevation 6320'	Elevation
Log Measured From	KB , 22 Ft. above perm. datum		K.B. 6342' D.F. 6341' G.L. 6320'
Drilling Measured From	KB		

Date @ Time Logged	2 JUN 2010 @ 19:15	Type Fluid in Hole	WATER
Run No.	ONE	Density of Fluid	8.4 #
Depth - Driller	7954'	Fluid Level	FULL
Depth - Logger	7848'	Cement Top Est. Logged	LOGGED
Bottom - Logged Interval	7844'	Equipment / Location	10678538 / G.J.
Top - Log Interval	SURFACE	Recorded by	M. CHANEY
Max. Recorded Temp.	179 F	Witnessed by	M. BEAUXIS

CEMENTING DATA	Surface String	Protection String	Production String	Liner
Date / Time Cemented	N/A	N/A	N/A	N/A
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
ONE	26"	SURFACE	40'	16"	42 #	SURFACE	40'
TWO	12.25"	40'	800'	9.625"	36 #	SURFACE	800'
THREE	8.75"	800'	7924'	4.5"	11.6 #	SURFACE	7924'

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HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHCIH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

Comments

H.E.S. RADIAL CEMENT BOND LOG LOG DATED 2 JUN 2010 IS CORRELATED TO H.E.S. RMTE LOG DATED 2 JUN 2010

GR SPIKE @ 7840' & 3726' FROM GENERATOR POWERING UP ON RMTE

LOG INTERVALS PER CUSTOMER REQUEST

SHORT JOINT: 5743' - 5764' & 7516' - 7537'

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES

Service Ticket No. 7410592 API No. 050451895800 PGM Ver 09100_R_B

The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client

EQUIPMENT DATA

GAMMA RAY		COLLAR LOCATOR		BOND TOOL			
Run No.	ONE	Run No.	ONE	Run No.	ONE	Run No.	
Serial No.	081008	Serial No.	081008	Serial No.	061115	Serial No.	
Model No.	GR-PROBE	Model No.	CCL-PROBE	Model No.	CBL-PROBE	Model No.	
Diameter	2.75"	Diameter	2.75"	Diameter	2.75"	Diameter	

LOGGING DATA

General Data

Pass No.	Depths From	Depths To	Well Head Pressure	Speed Ft/Min	Logging Run Comments
ONE	7848'	SURFACE	0	70	MAIN LOG SECTION

	GR		CCL		AMP		MSG	
Pass	Scale		Scale		Scale		Scale	
No.	L	R	L	R	L	R	L	L
ONE	0	200	-9	1	0	100	200	1200

DIRECTIONAL INFORMATION

Maximum Deviation	N/A	deg. @	N/A	KOP	N/A

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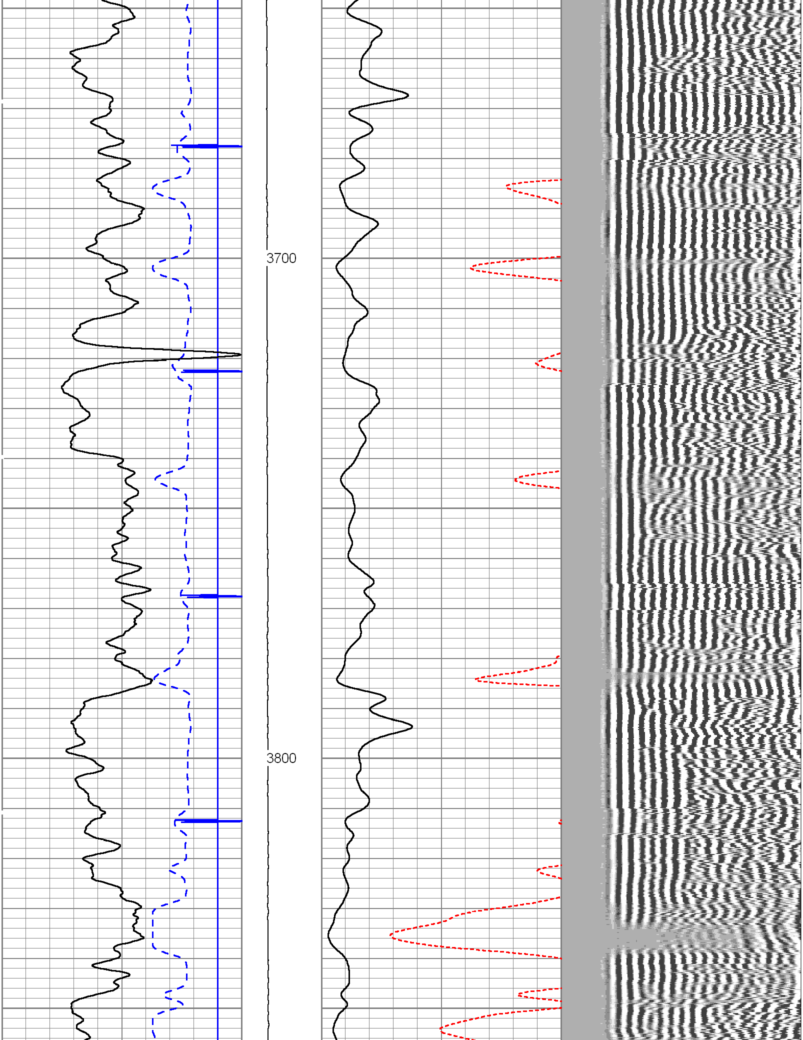
MAIN LOG SECTION

SCALE: 5" = 100'

Database File: jolley_12c_20_691_cbl.db
Dataset Pathname: CBL/MAINF
Presentation Format: cbl_main
Dataset Creation: Wed Jun 02 21:42:04 2010
Charted by: Depth in Feet scaled 1:240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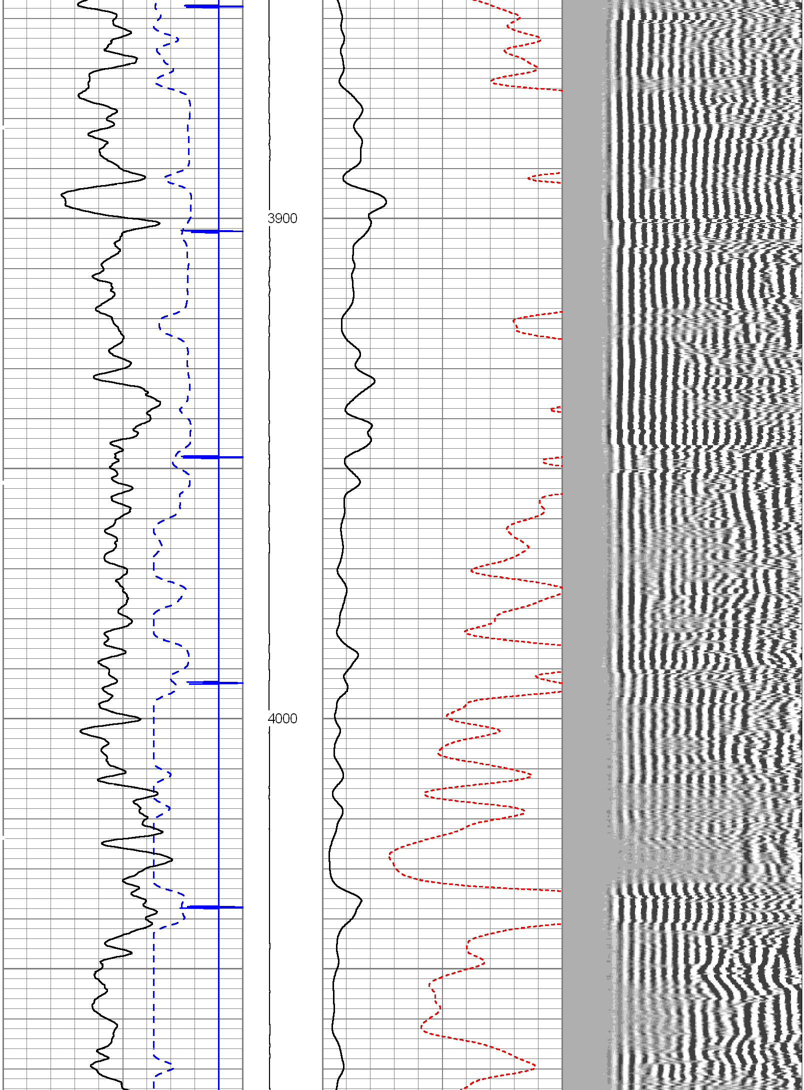
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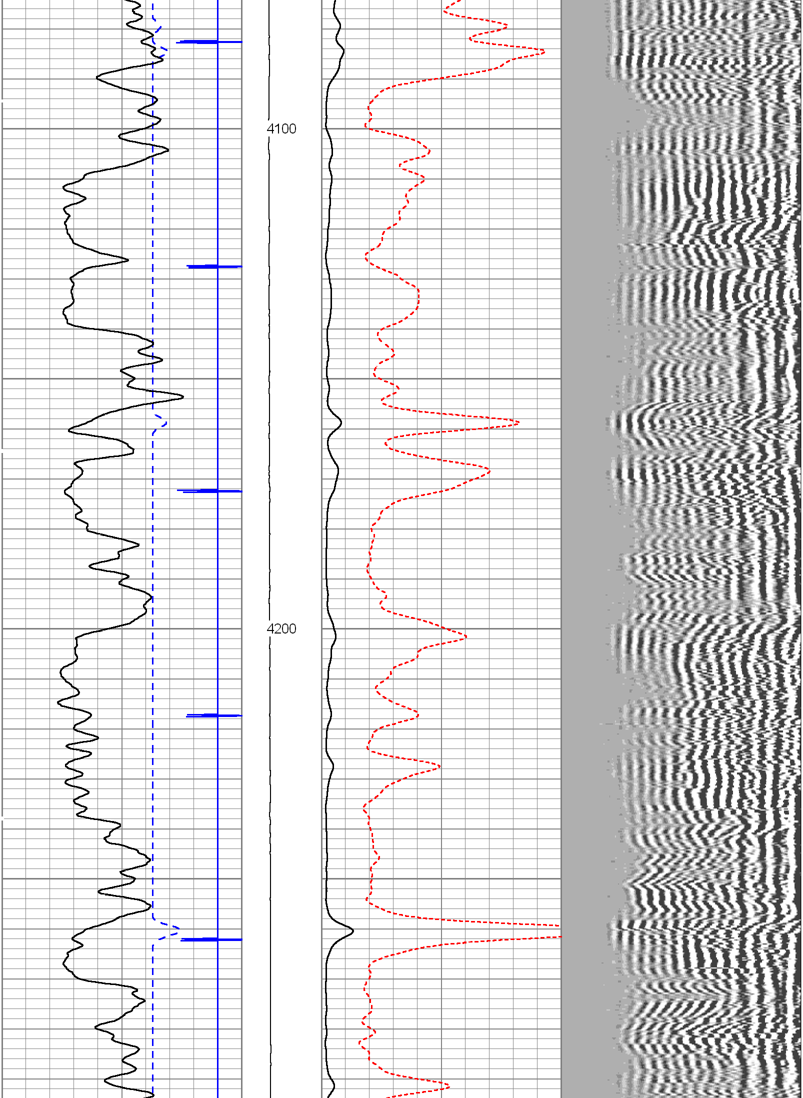
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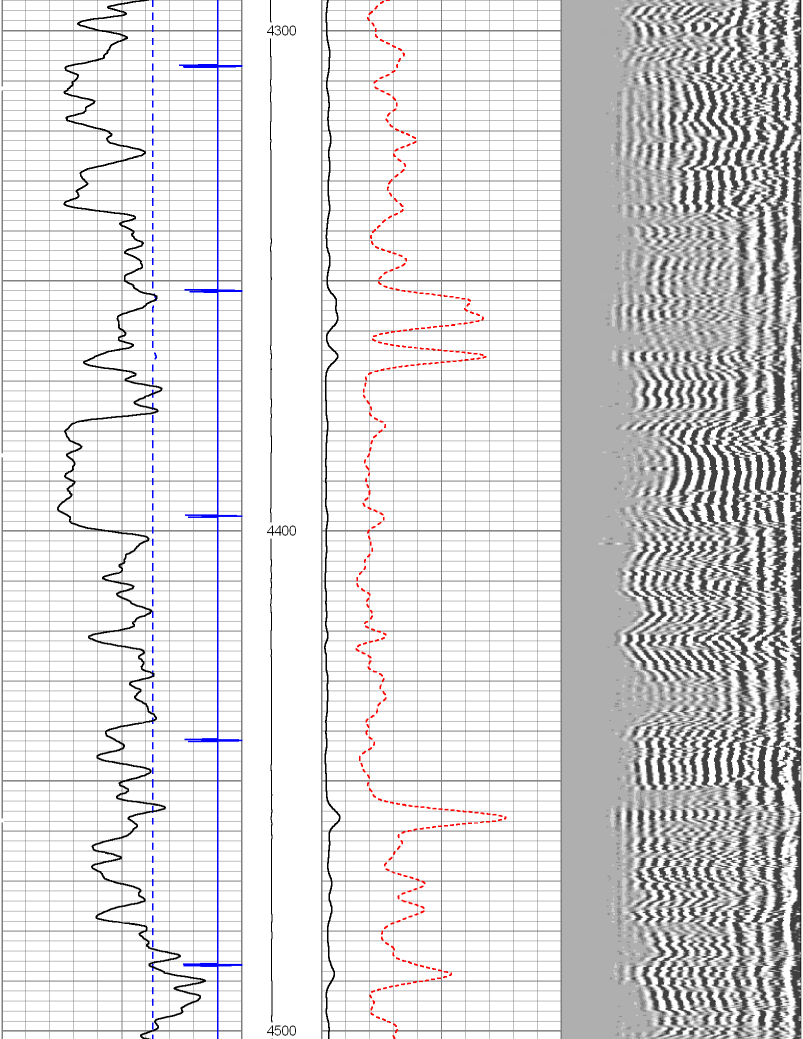
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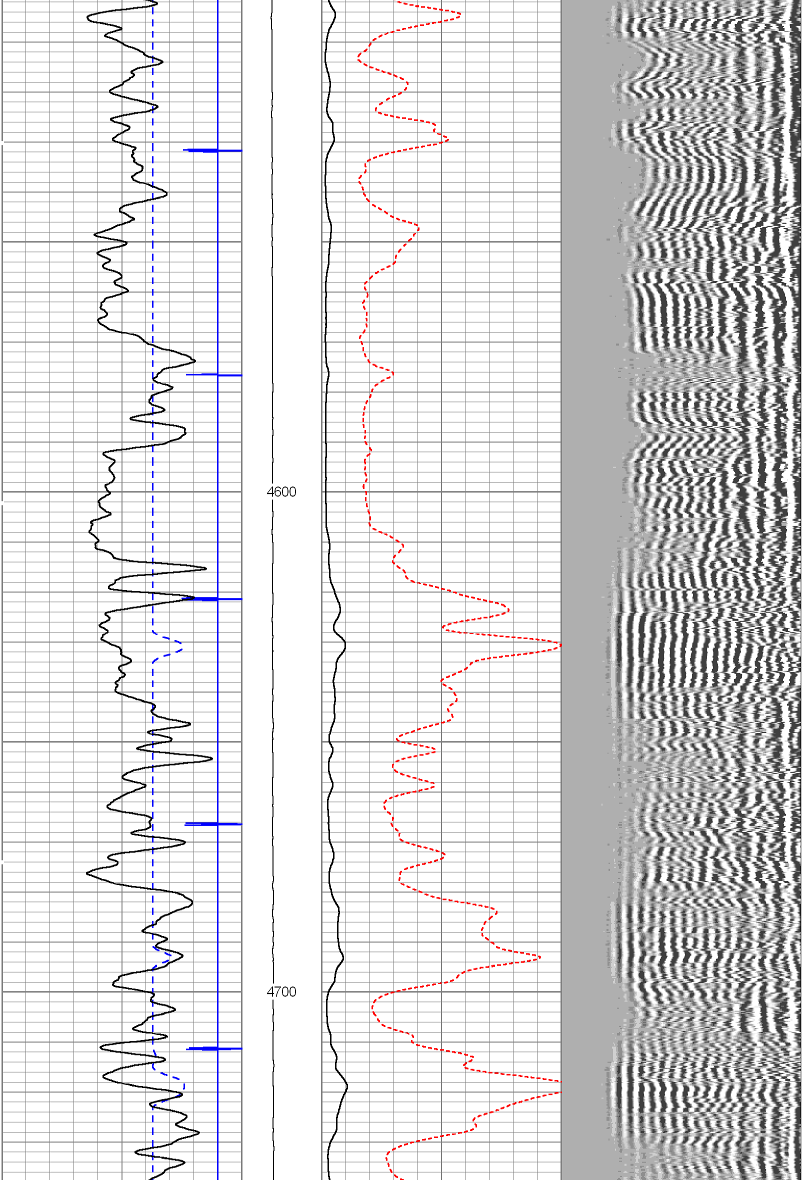
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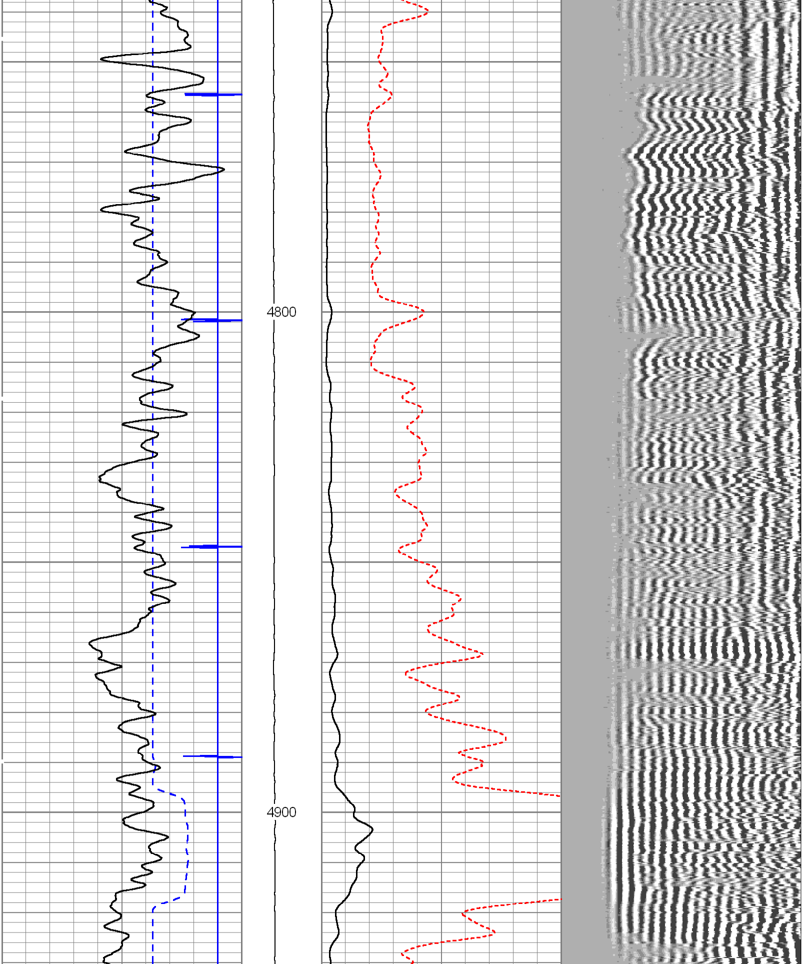
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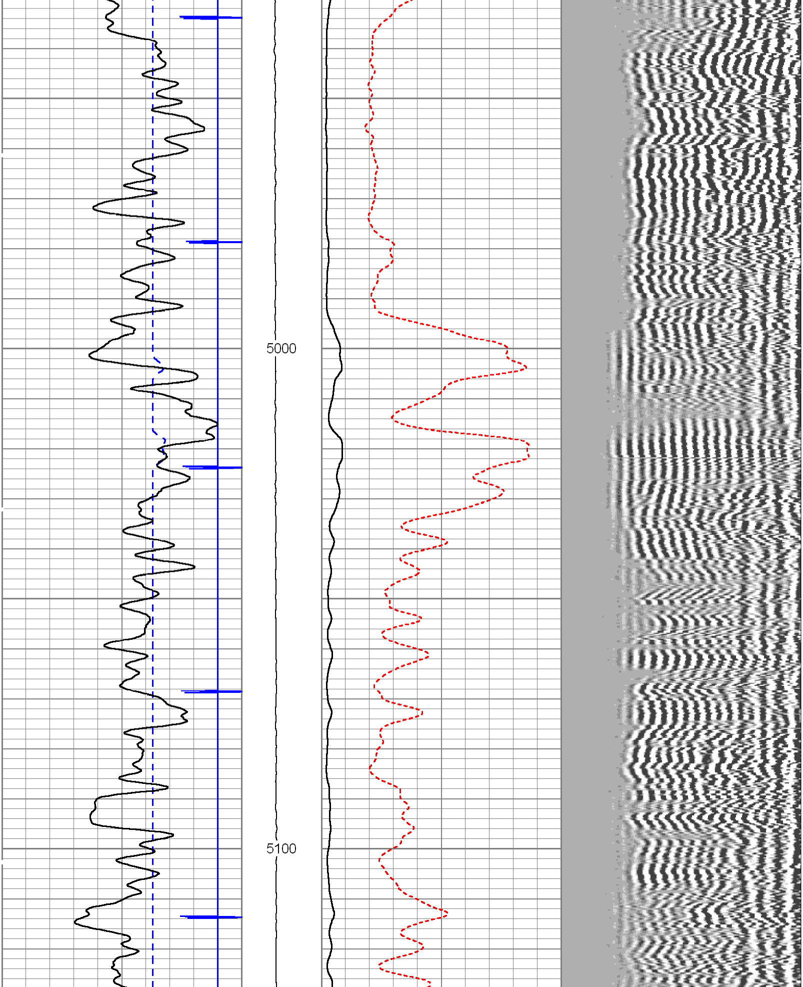
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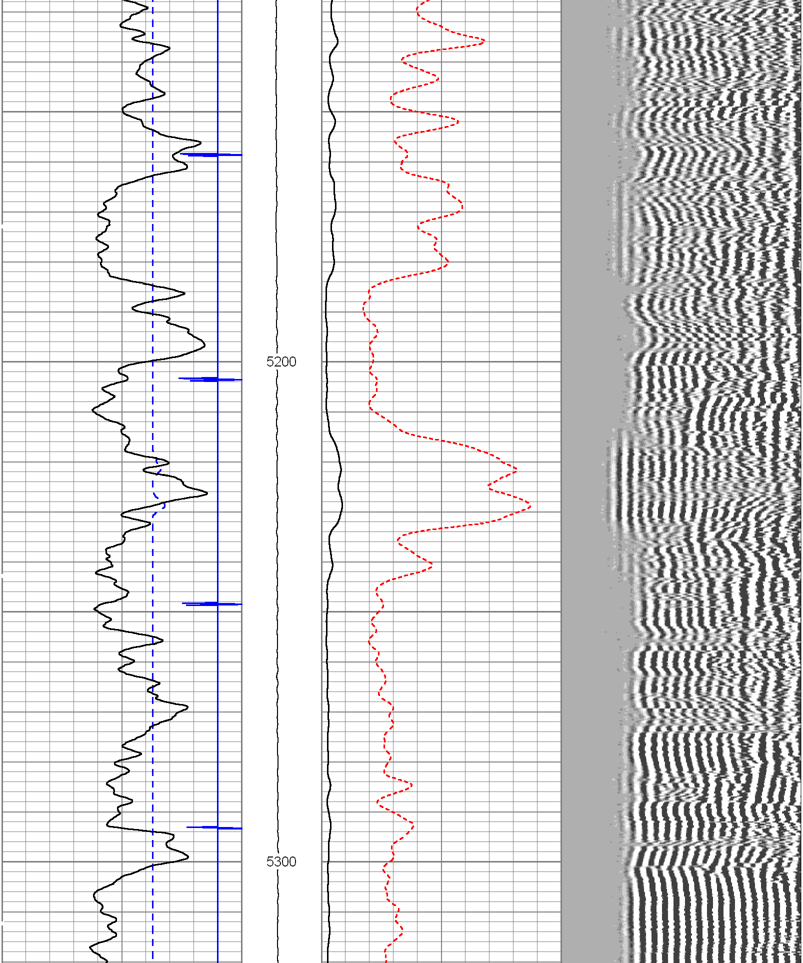
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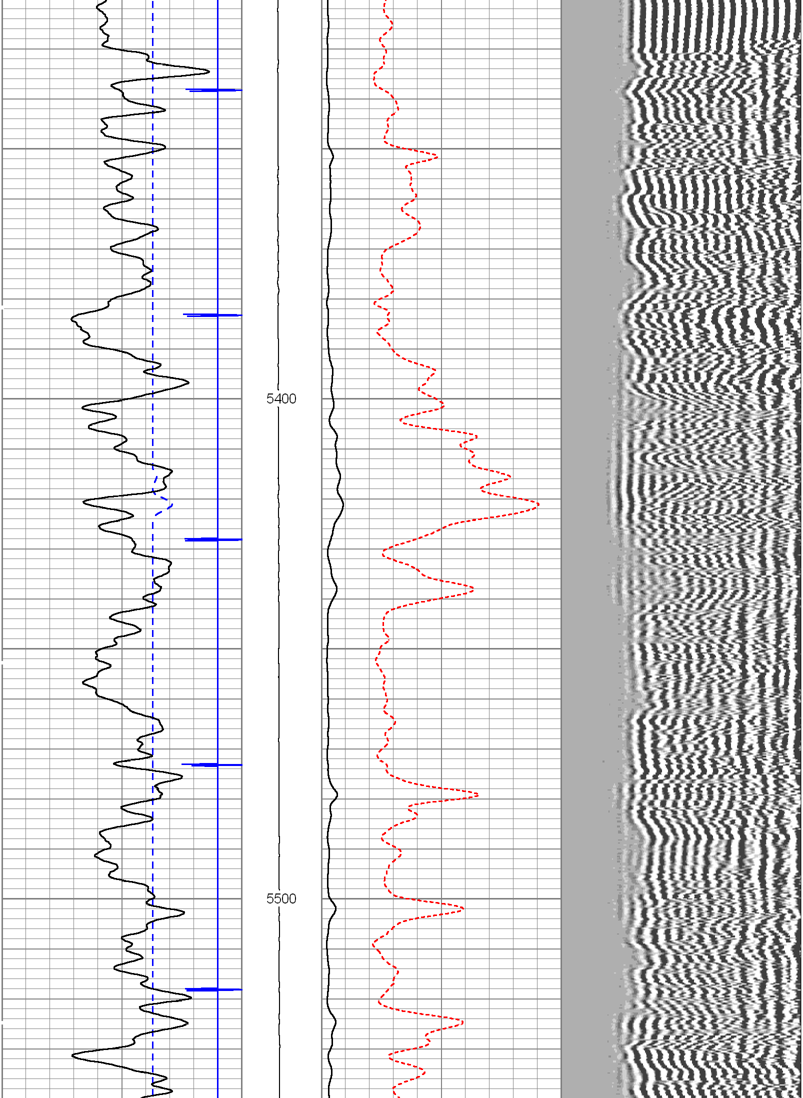
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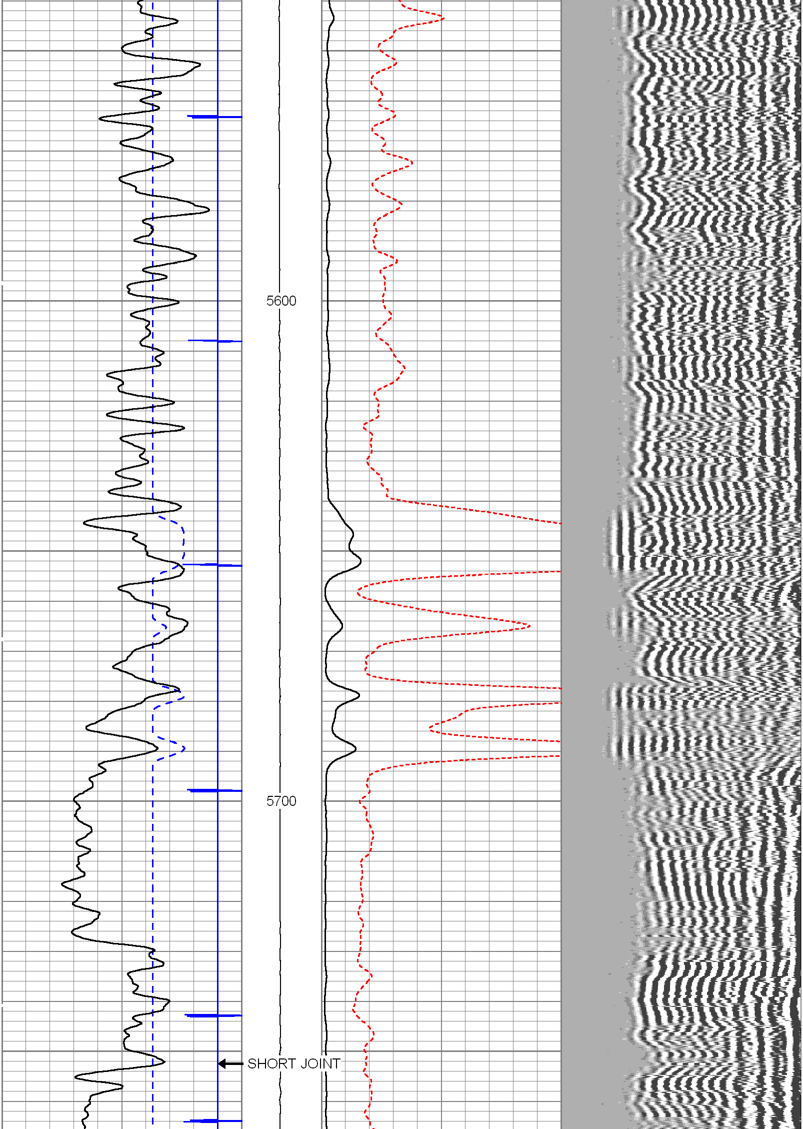
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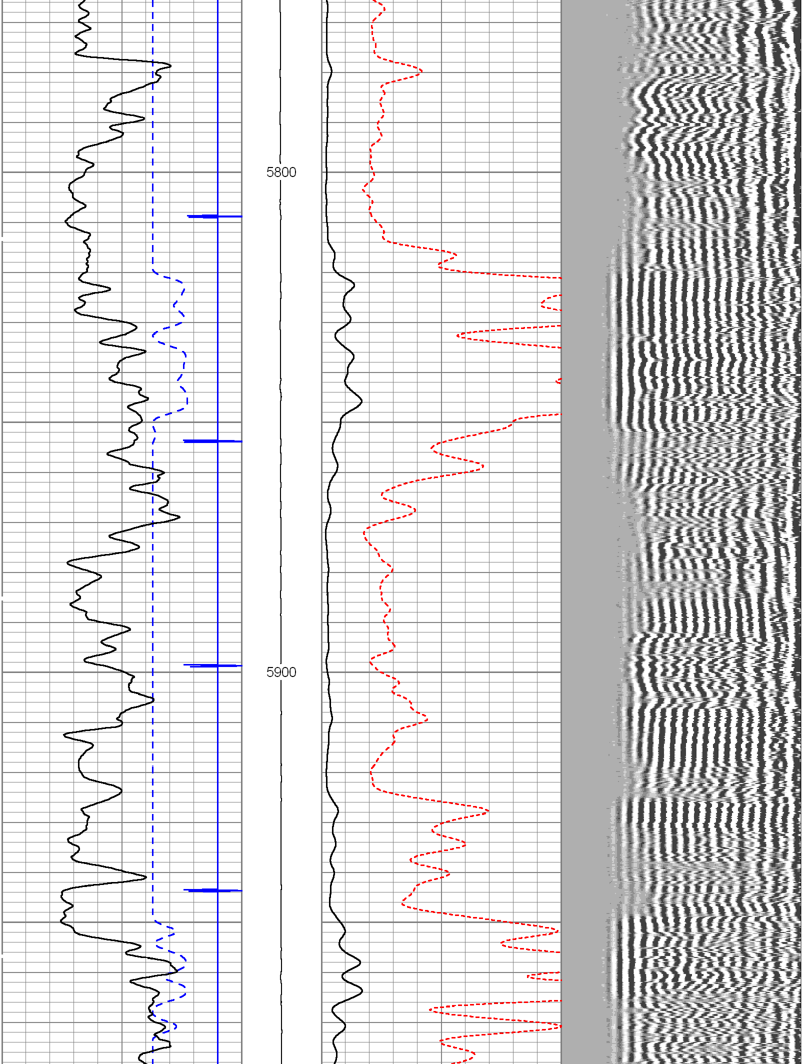
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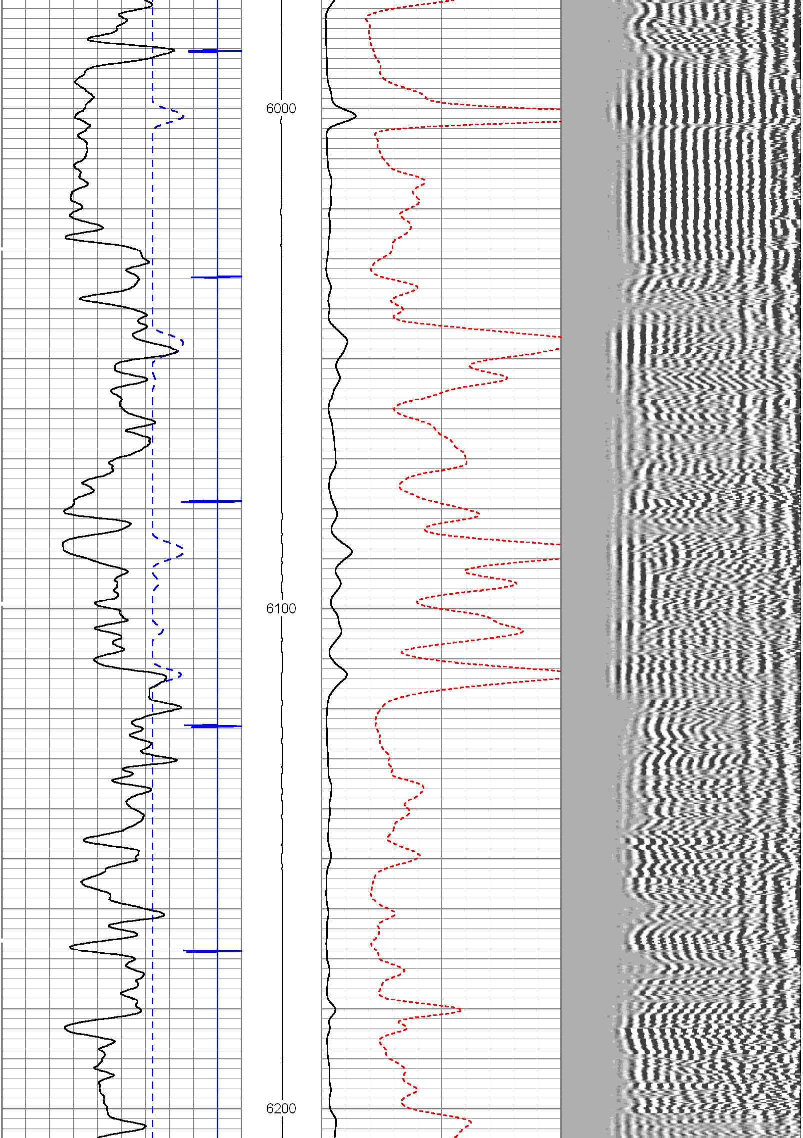
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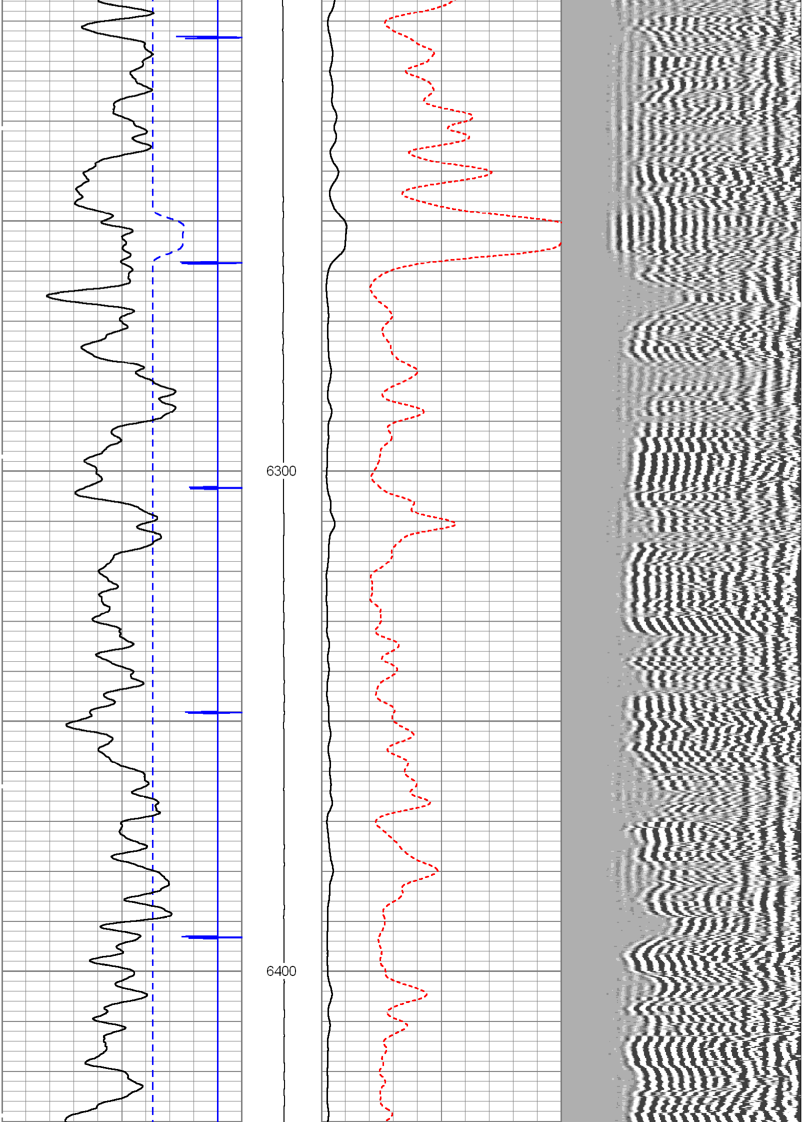
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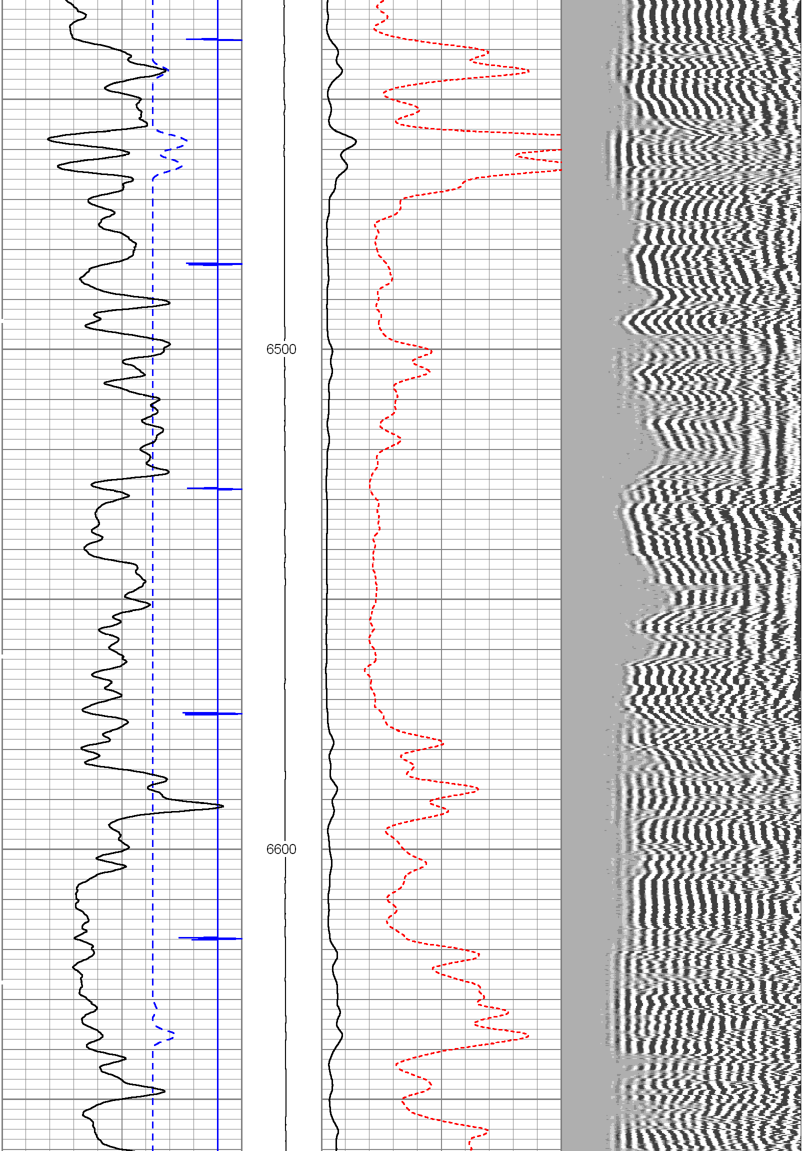
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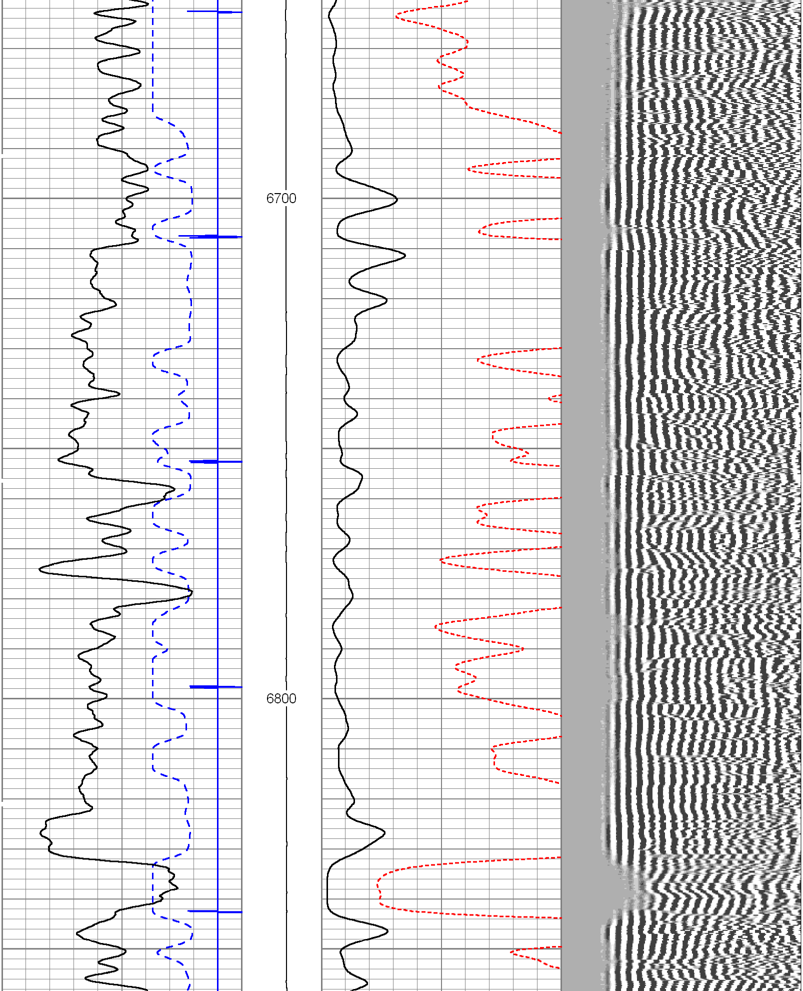
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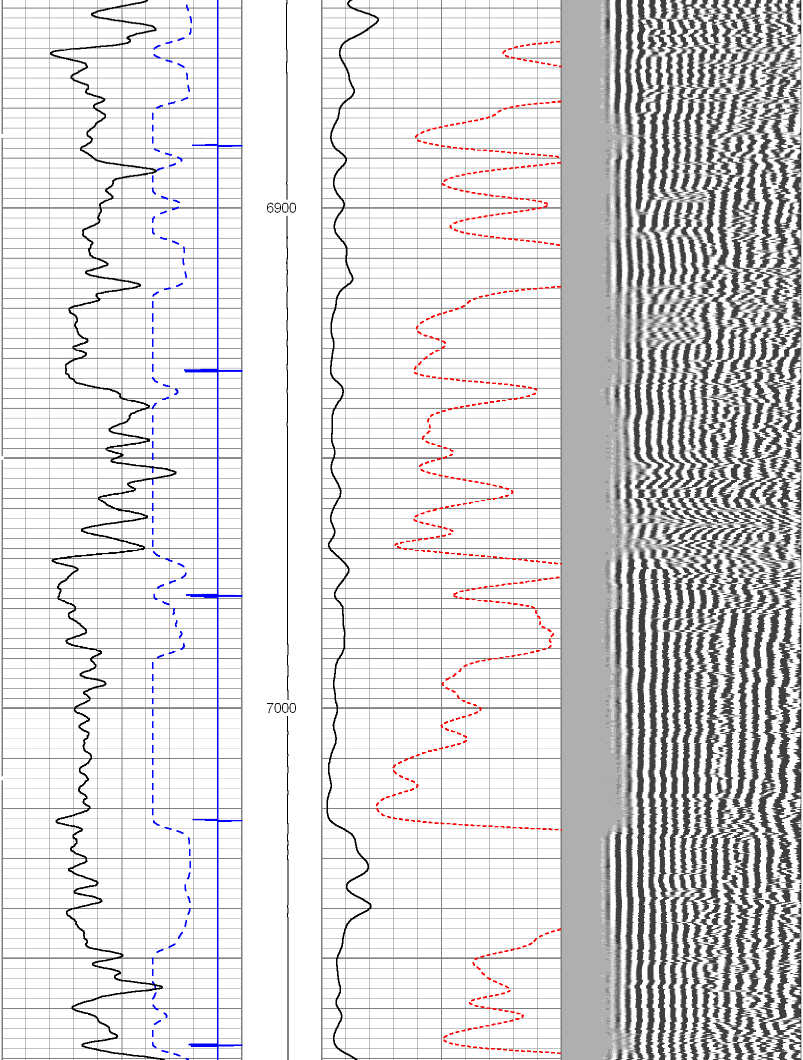
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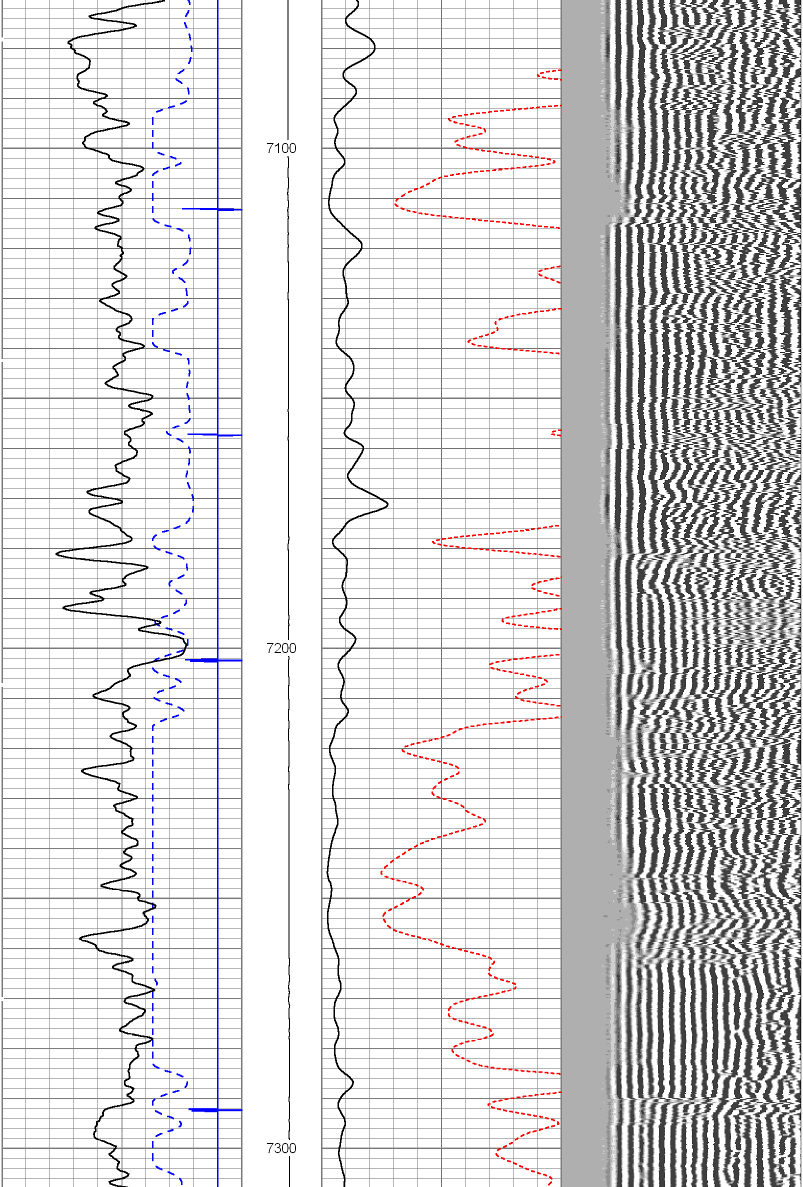
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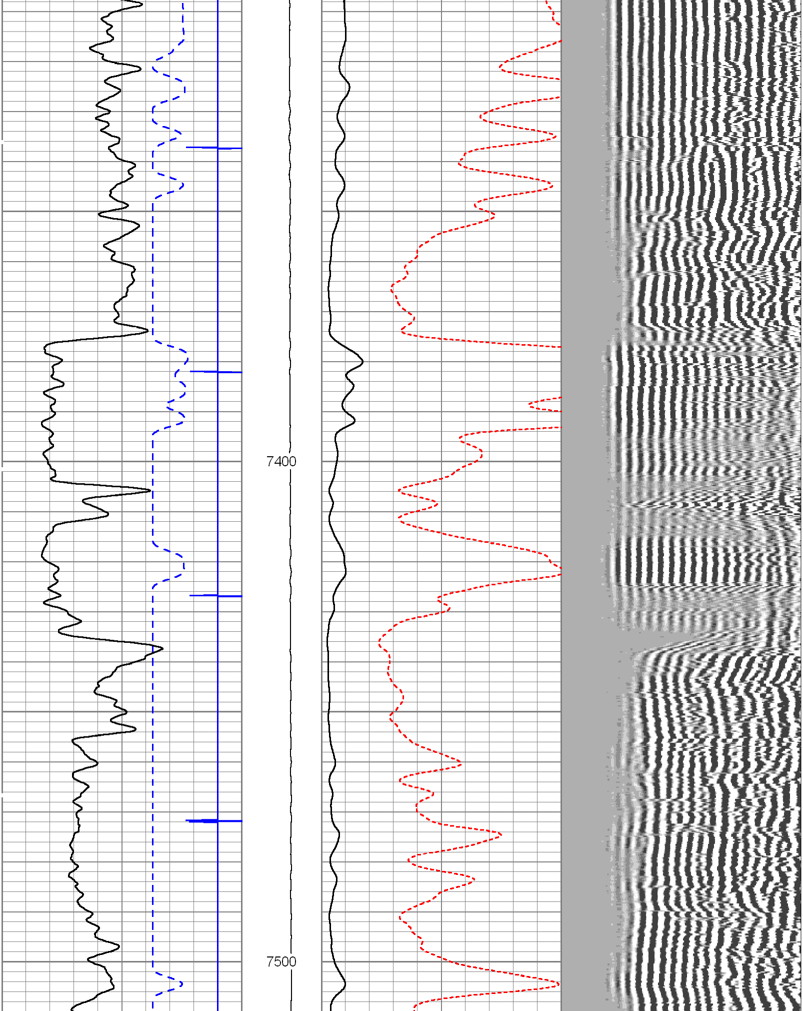
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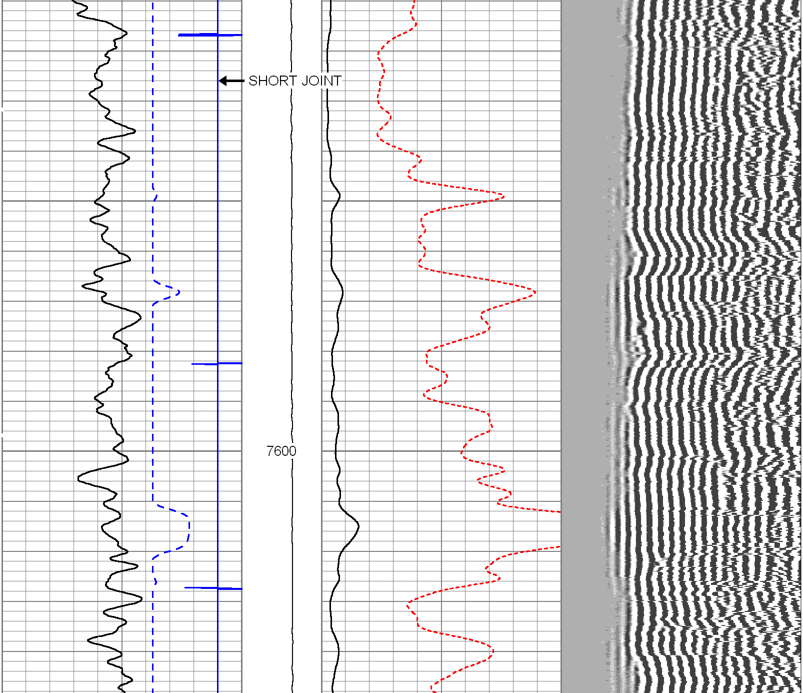
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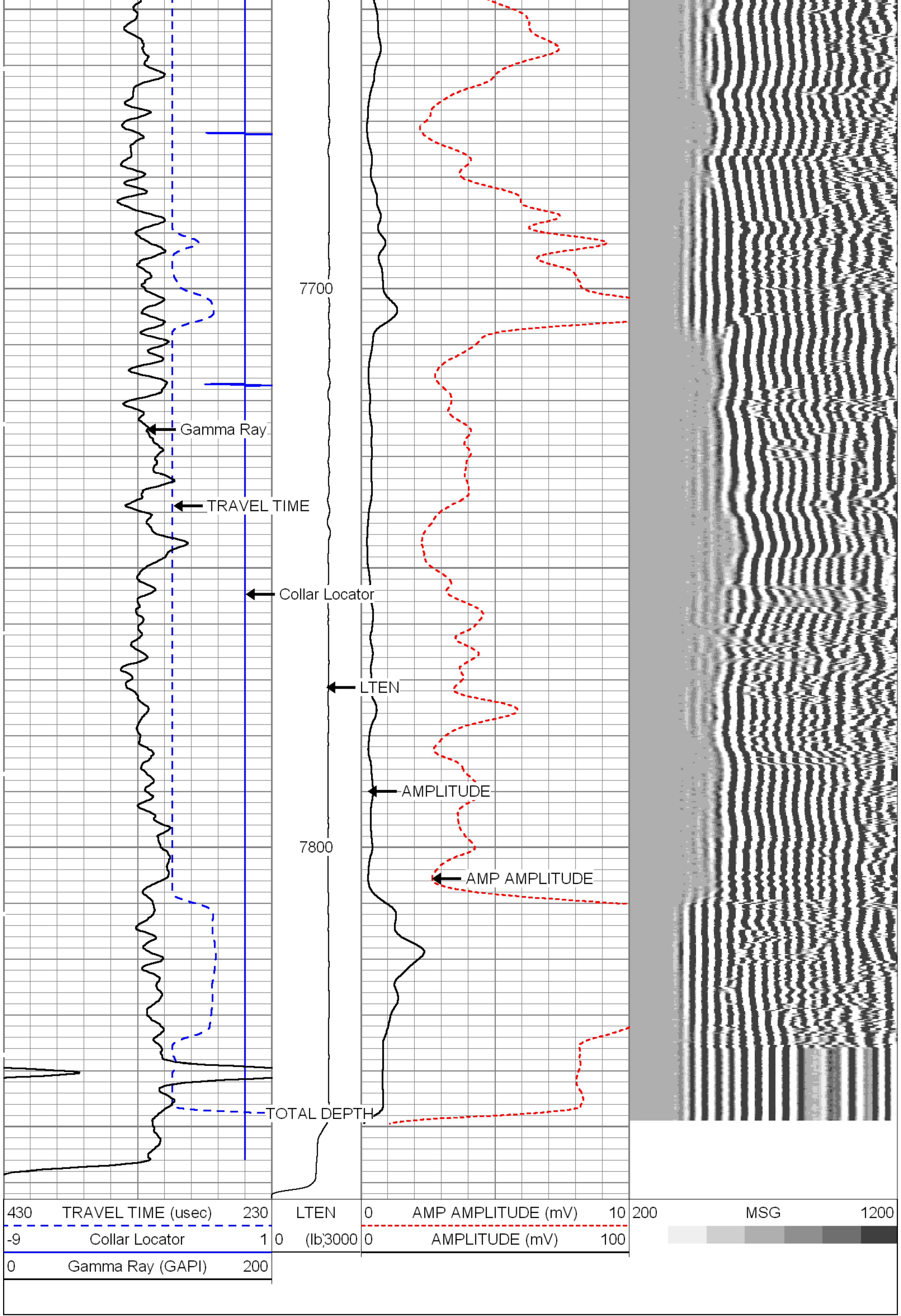

430 TRAVEL TIME (usec) 230	LTEN	0 AMP AMPLITUDE (mV) 10	200 MSG 1200
-9 Collar Locator 1	0 (lb) 3000	0 AMPLITUDE (mV) 100	
0 Gamma Ray (GAPI) 200			

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MAIN LOG SECTION

SCALE: 5" = 100'

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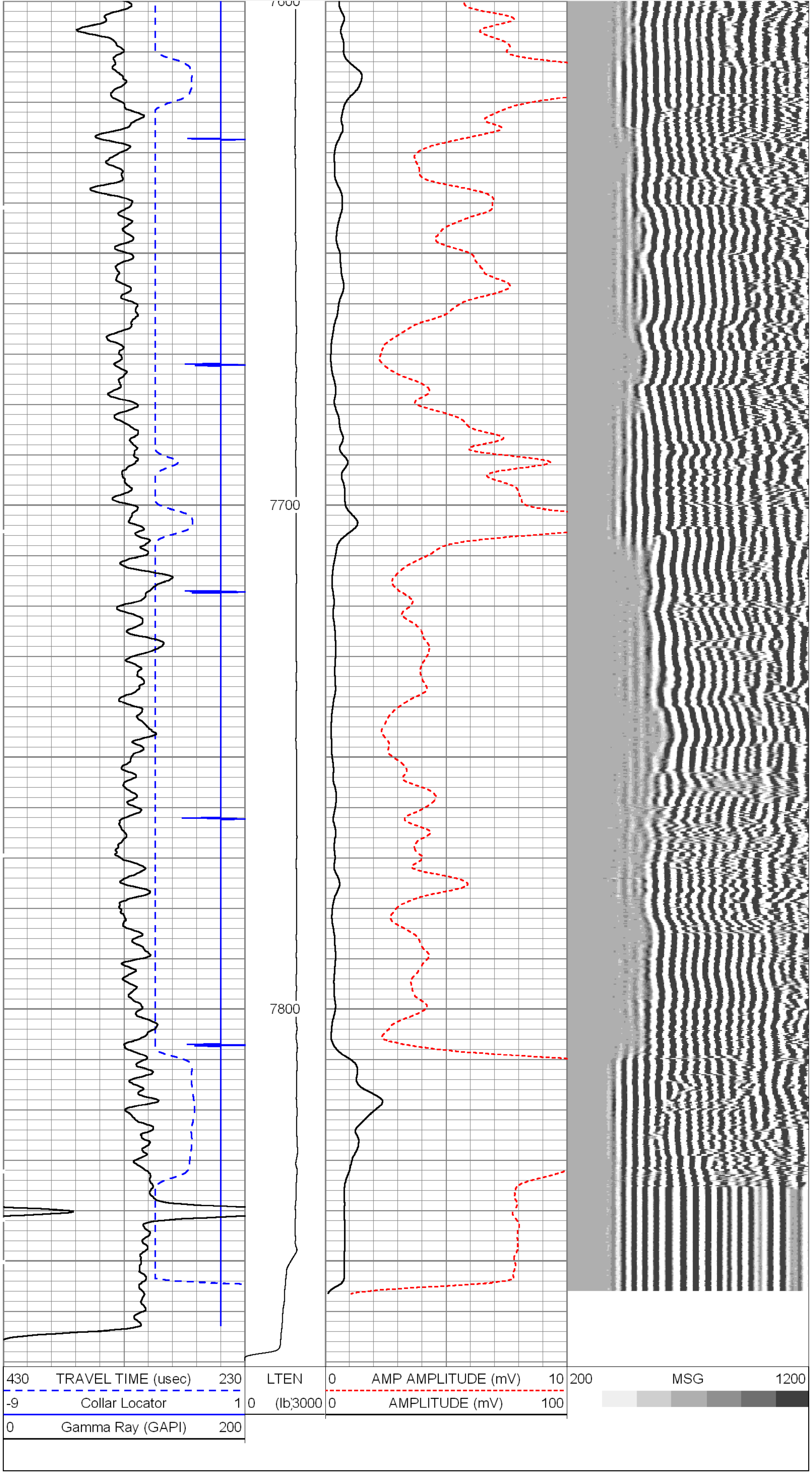
REPEAT LOG SECTION

SCALE: 5" = 100'

Database File: jolley_12c_20_691_cbl.db
Dataset Pathname: CBL/REPEAT1
Presentation Format: cbl_main
Dataset Creation: Wed Jun 02 19:01:30 2010 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

430 TRAVEL TIME (usec) 230	LTEN	0 AMP AMPLITUDE (mV) 10	200 MSG 1200
-9 Collar Locator 1	0 (lb) 3000	0 AMPLITUDE (mV) 100	
0 Gamma Ray (GAPI) 200			



430 TRAVEL TIME (usec) 230	LTEN	0 AMP AMPLITUDE (mV) 10	200 MSG 1200
-9 Collar Locator 1	0 (lb) 3000	0 AMPLITUDE (mV) 100	
0 Gamma Ray (GAPI) 200			

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REPEAT LOG SECTION

SCALE: 5" = 100'

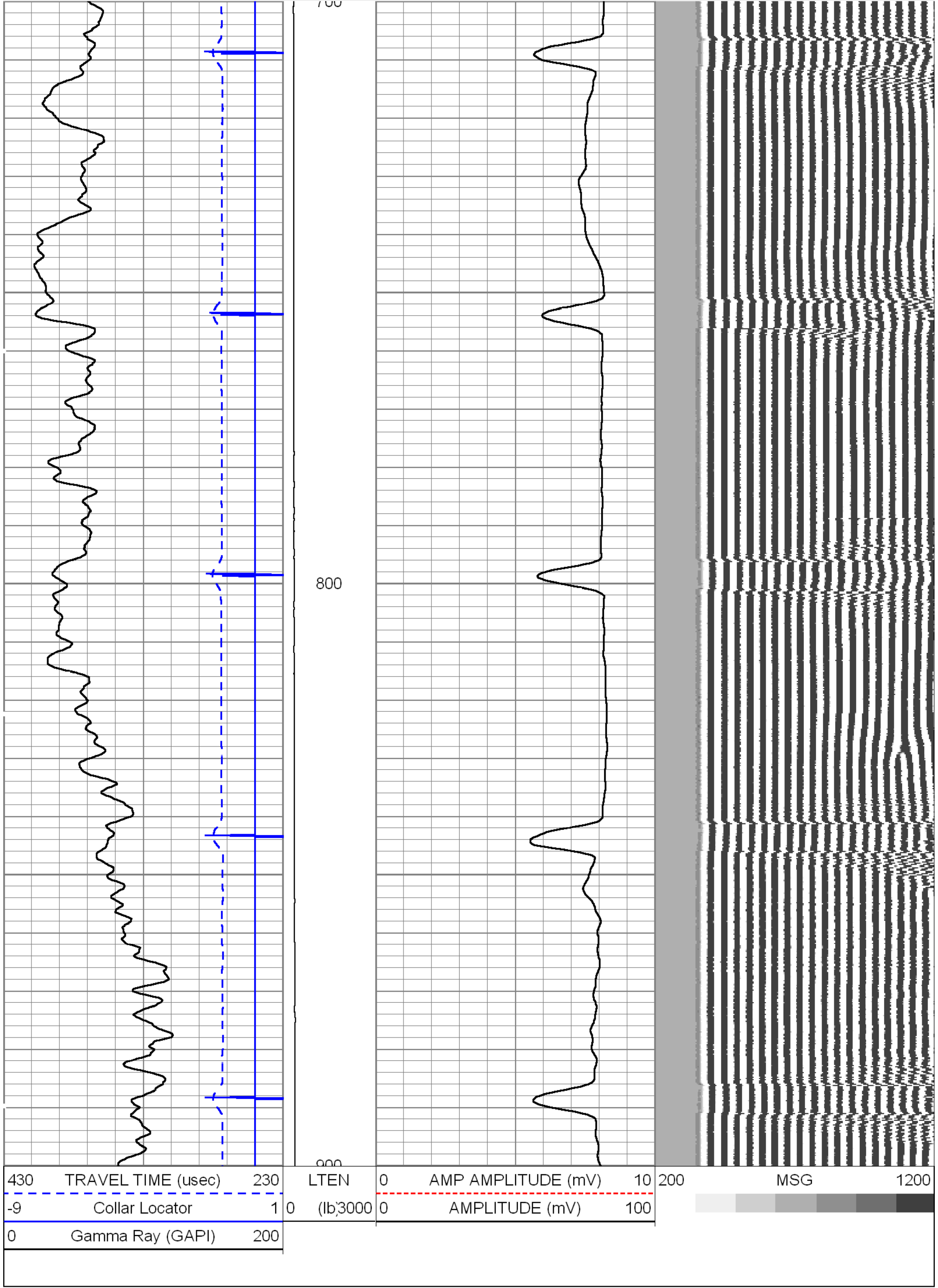
HALLIBURTON

FREE PIPE LOG SECTION

SCALE: 5" = 100'

Database File: jolley_12c_20_691_cbl.db
Dataset Pathname: CBL/FREE1
Presentation Format: cbl_main
Dataset Creation: Wed Jun 02 18:14:35 2010 by Log Halliburton Casedho
Charted by: Depth in Feet scaled 1:240

430 TRAVEL TIME (usec) 230	LTEN	0 AMP AMPLITUDE (mV) 10	200 MSG 1200
-9 Collar Locator 1	0 (lb) 3000	0 AMPLITUDE (mV) 100	
0 Gamma Ray (GAPI) 200			



430 TRAVEL TIME (usec) 230	LTEN	0 AMP AMPLITUDE (mV) 10	200 MSG 1200
-9 Collar Locator 1	0 (lb) 3000	0 AMPLITUDE (mV) 100	
0 Gamma Ray (GAPI) 200			

HALLIBURTON

FREE PIPE LOG SECTION

SCALE: 5" = 100'

Calibration Report

Database File: jolley_12c_20_691_cbl.db
Dataset Pathname: CBL/POST_CAL
Dataset Creation: Wed Jun 02 21:26:47 2010 by Log Halliburton Casedho

Temperature Calibration Report

Serial Number: 081013
Tool Model: 1.375TEMP
Performed: Wed Jun 02 17:27:50 2010

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

Gain: 0.10
Offset: 0.00
Delta Spacing 1

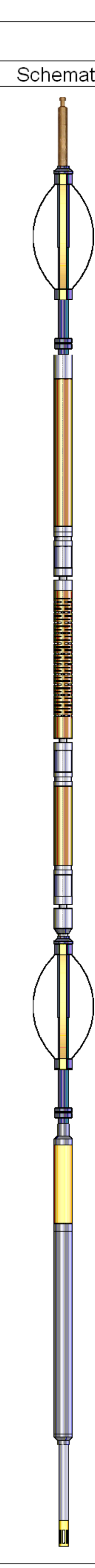
Gamma Ray Calibration Report

Type / Serial: Probe / 081008

	Counts/Sec.	Gain	Offset	Jig	Units
SHOP CALIBRATION	Wed Jun 02 17:32:40 2010				
Background	85.6				cps
Calibrator	348.7				cps
		0.8057			GAPI/cps
PRIMARY VERIFICATION	Wed Jun 02 17:35:35 2010				
Background	70.8				cps
Calibrator	280.0				cps
Difference				209.2	GAPI
BEFORE SURVEY VERIFICATION	Wed Jun 02 17:38:34 2010				
Background	71.1				cps
Calibrator	275.0				cps
Difference				203.9	GAPI
AFTER SURVEY VERIFICATION	Wed Jun 02 21:26:40 2010				
Background	68.1				cps
Calibrator	280.3				cps
Difference				212.3	GAPI

Cement Bond Log Calibration Report

Serial Number:	061115		
Tool Model:	Probe		
Performed:	Wed Jun 02 18:12:06 2010		
Depth:	828.658		ft
Casing Diameter:	4.5		in
	3' Spacing	5' Spacing	
Signal Zero:	1	1	mV
Calibrated Amplitude:	82	82	mV
Reading at Signal Zero:	0.00192871	0.00202637	V
Reading in Free Pipe:	1.73076	1.701	V
Gain:	46.8524	47.6758	
Offset:	0.909635	0.903391	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STND_CH 1.4375 IN CABLE HEAD	1.06	1.44	1.00
			CENT-Probe (PT_MONO2) Probe 2 3/4 Centralizer	2.88	2.75	35.00
WVF3 WVF5	13.53 12.53		CBL-Probe (061115) Probe 2.75" Dual Receiver Bond	8.92	2.75	116.00
			CENT-Probe (PT_MONO2) Probe 2 3/4 Centralizer	2.88	2.75	35.00
CCL GR	5.46 4.08		GR-Probe (081008) Probe 2.75" 4 Channel Pulse	4.92	2.75	60.00
TEMP LLMTEN	0.08 0.00		TEMP-1.375TEMP (081013) Temperature Tool	1.54	1.38	10.00

Dataset: jolley_12c_20_691_cbl.db: field/well/CBL/MAINF
Total Length: 22.20 ft
Total Weight: 257.00 lb
O.D. 2.75 in

Company	BILL BARRETT CORPORATION
Well	JOLLEY FEDERAL 12C-20-691
Field	MAMM CREEK
County	GARFIELD State CO

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RADIAL CEMENT BOND LOG