

Company: **BILL BARRETT CORPORATION**

Well: **BRYNILDSON 24B-20-692**

Field: **MAMM CREEK**

County: **GARFIELD** State: **COLORADO**

County: **GARFIELD**
Field: **MAMM CREEK**
Location: **SHL: 835' FSL & 433' FWL**
Well: **BRYNILDSON 24B-20-692**
Company: **BILL BARRETT CORPORATION**

CEMENT BOND LOG
CBL / VDL
GAMMA RAY / CCL

SHL: 835' FSL & 433' FWL
BHL: 575' FSL & 1977' FWL

Elev.: K.B. 5743.00 ft
G.L. 5726.00 ft
D.F. 5742.00 ft

Permanent Datum: GROUND LEVEL Elev.: 5726.00 ft
Log Measured From: KELLY BUSHING 17.00 ft above Perm. Datum
Drilling Measured From: KELLY BUSHING

API Serial No. 05-045-17145 Section 20 Township 6S Range 92W

Logging Date	30-Mar-2009		
Run Number	2		
Depth Driller	7600 ft		
Schlumberger Depth	7724 ft		
Bottom Log Interval	7703 ft		
Top Log Interval	4100 ft		
Casing Fluid Type	WATER		
Salinity			
Density	8.36 lbm/gal		
Fluid Level	22 ft		
BIT/CASING/TUBING STRING			
Bit Size	7.875 in		
From	17 ft		
To	7800 ft		
Casing/Tubing Size	4.500 in		
Weight	11.6 lbm/ft		
Grade	N-80		
From	17 ft		
To	7800 ft		
Maximum Recorded Temperatures	21.6 degF		
Logger On Bottom	30-Mar-2009	16:30	
Unit Number	411	GRAND JUNCTION, CO	
Recorded By	MIKE SEPTON		
Witnessed By	UNATTENDED		

PVT DATA			
Oil Density	Run 1	Run 2	Run
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation			
CEMENTING DATA			
Primary/Squeeze	Primary		
Casing String No			
Lead Cement Type			
Volume			
Density			
Water Loss			
Additives			
Tail Cement Type			
Volume			
Density			
Water Loss			
Additives			
Expected Cement Top			
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Fluid Type			
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size			
From			
To			
Casing/Tubing Size			
Weight			
Grade			
From			
To			
Maximum Recorded Temperatures			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

DEPTH SUMMARY LISTING

Date Created: 30-MAR-2009 16:59:16

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-C	Type:	1-25P
Serial Number:	3775	Serial Number:	5032	Serial Number:	411
Calibration Date:	8-JAN-2009	Calibration Date:	28-FEB-2009	Length:	13200 FT
Calibrator Serial Number:	33	Calibrator Serial Number:	1159	Conveyance Method: Wireline Rig Type: LAND	
Calibration Cable Type:	1-25P	Number of Calibration Points:	8		
Wheel Correction 1:	-5	Calibration RMS:	8		
Wheel Correction 2:	-3	Calibration Peak Error:	15		

Depth Control Parameters

Log Sequence: Subsequent Trip To the Well

Reference Log Name: COMPENSATED PHOTO DENSITY

Reference Log Run Number: RUN 1

Reference Log Date: 10-FEB-2009

Subsequent Trip Down Log Correction: 0.00 FT

Depth Control Remarks

1. SCHLUMBERGER DEPTH CONTROL POLICY DATED FEB 2008 FOLLOWED
2. IDW USED AS PRIMARY DEPTH CONTROL, Z-CHART USED AS SECONDARY DEPTH CONTROL.
3. CMTD CALIBRATION: RMS – 8, PEAK ERROR – 15
- 4.
- 5.
- 6.

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1

OS1: NONE

OS2:

OS3:

OS4:

OS5:

OTHER SERVICES2

OS1:

OS2:

OS3:

OS4:

OS5:

REMARKS: RUN NUMBER 1

THIS LOG CORRELATED TO COMPENSATED PHOTO DENSITY

RAN ON 10-FEB-09 BY WEATHERFORD.

TOOL STRING RAN AS PER TOOL SKETCH.

TOOL RAN AT 3600 FT/HR.

EXPECTED TT = 251 uS.

EXPECTED FPA = 81 mV.

REMARKS: RUN NUMBER 2

CYCLE SKIPPING DUE TO GOOD BOND.

TD FOUND AT 7724 FT.

TEMP @ TD = 216 DEGF.

PRESSURE @ TD = 3169 PSI.

SHORT JOINTS FOUND AT: 5700 - 5728 FT & 7372 -7401 FT.

THANK YOU FOR CHOOSING SCHLUMBERGER

(970) 683-4000

RUN 1

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

AOTD-00239
17C0-154
22 ft

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL

START

STOP

LOGGED INTERVAL

START

STOP

EQUIPMENT DESCRIPTION

RUN 1

RUN 2

SURFACE EQUIPMENT

WITM-A 61017
PSC_16MHZ 1862

DOWNHOLE EQUIPMENT

MH-22 37.8
MH-22 411

AH-38 36.2
Detail MT
TelStatus
CTEM 35.9

PSPT-A/B 35.9
PSC-A 1959
PSPT-A 1959
PSTC

PBMS-A 32.2
10k Sapphire Manō
RTD Thermometer
GR
CCL
PBMS

Well Temp 29.2
Manōmeter 29.0
CCL 28.4
PBMS PSTC 27.7

SCMT-CB 27.7
SCMC-CA 8172
SECH-CA 8172
CMIR-AG 8275
SCMS-CB 8275
SCMX-CA 8275

DT 18.6

CBL5 DTSC 17.1

CBL3 16.1

MAP 15.6

AUX 14.6

MAXIMUM STRING DIAMETER 3.38 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Schlumberger

SURFACE CASING SECTION

MAXIS Field Log

Company: BILL BARRETT CORPORATION

Well: BRYNILDSON 24B-20-692

Input DLIS Files

DEFAULT	SCMT_PSP_040LUP	FN:39	PRODUCER	30-Mar-2009 17:42	911.5 FT	663.0 FT
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Output DLIS Files

DEFAULT	SCMT_PSP_042PUP	FN:41	PRODUCER	30-Mar-2009 17:45	921.5 FT	637.0 FT
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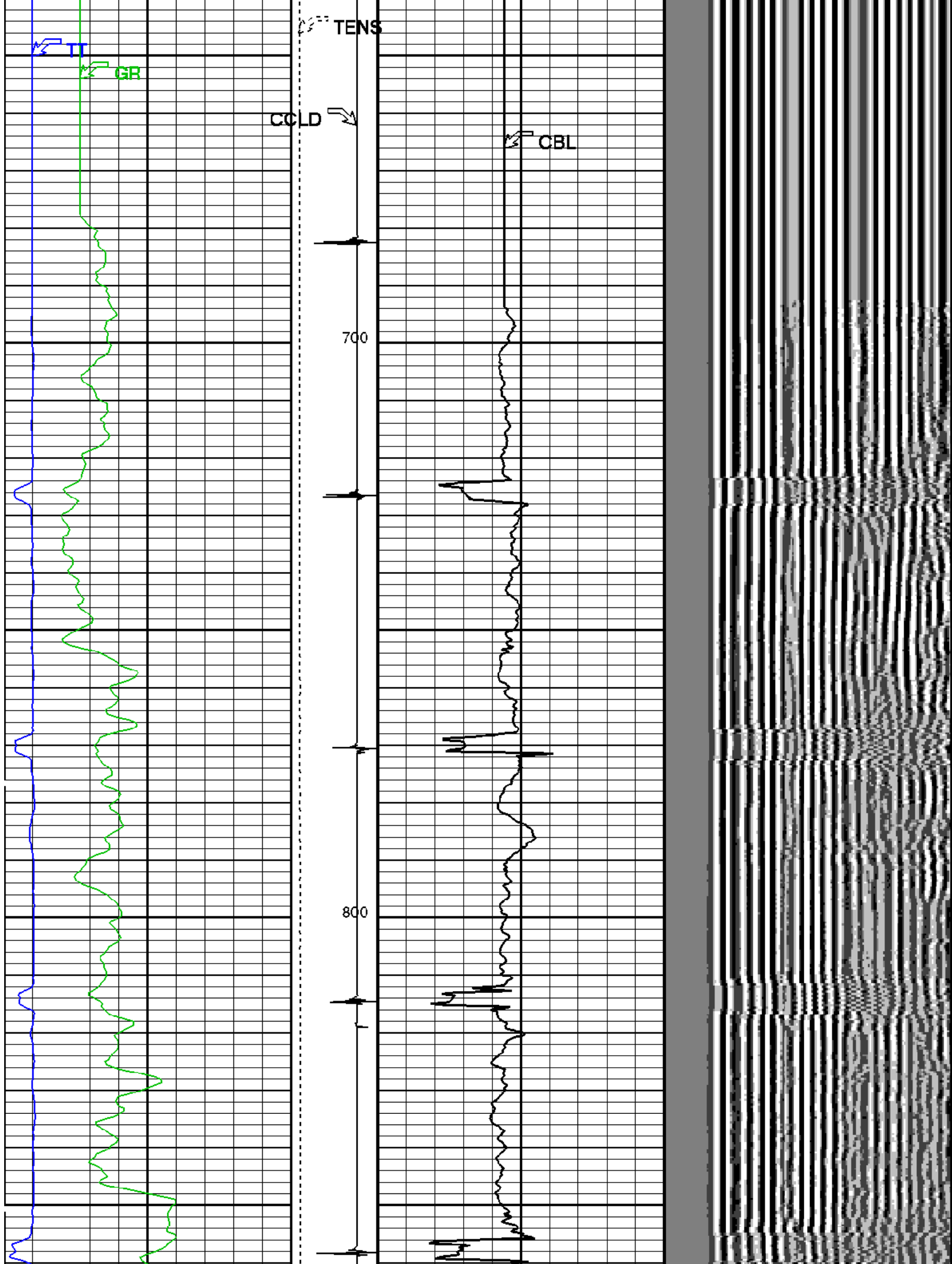
OP System Version: 17C0-154

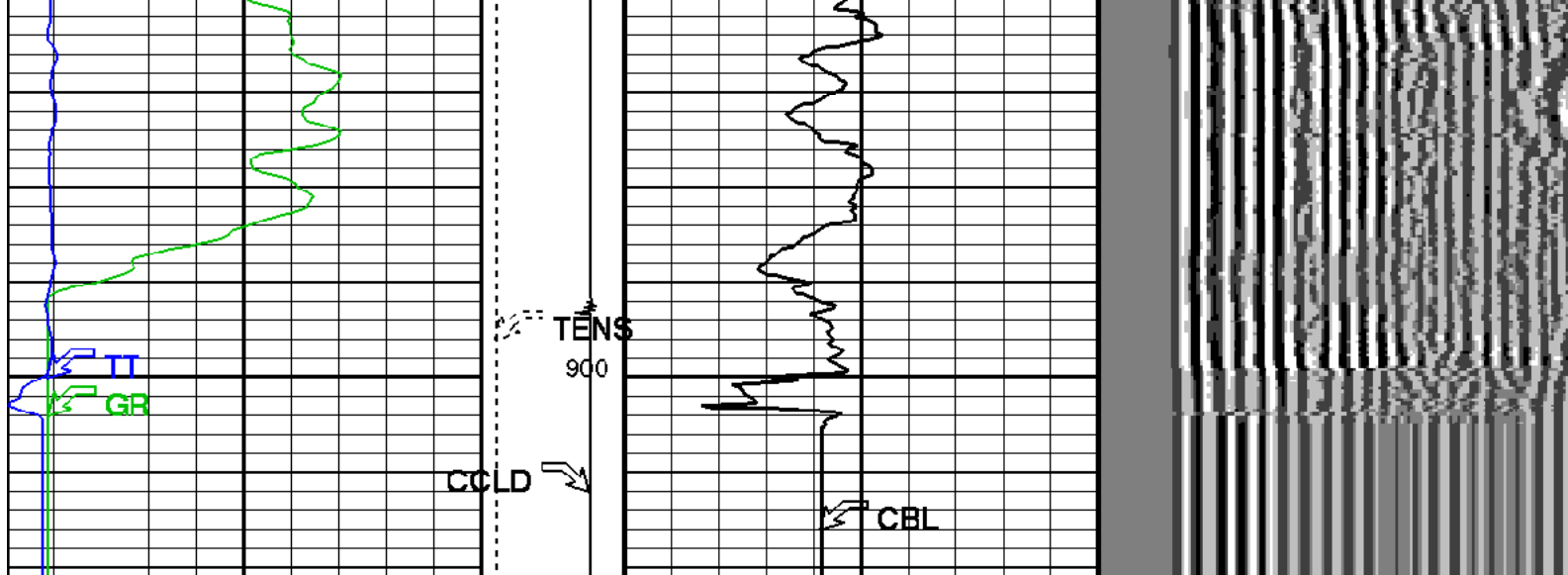
SCMT-CB SRPC-3779-Q1_2009_OP17_b PSPT-A/B 17C0-154

PIP SUMMARY

Time Mark Every 60 S

Transit Time (TT)		Discriminat ed CCL (CCLD)	CBL Amplitude (CBL)		
260	(US) 160		0	(MV) 100	
		3 (V) -1			
Gamma Ray (GR)		Tension (TENS) (LBF)	CBL Amplitude (CBL)		Min Amplitude Max
0	(GAPI) 150		0	(MV) 10	
		0 2500			VDL VariableDensity (VDL)
					(US) 200 1200





Gamma Ray (GR) (GAPI)	Tension (TENS) (LBF)	CBL Amplitude (CBL) (MV)	Min 200	Amplitude VLD Variable Density (VLD) (US)	Max 1200
0 150	0 2500	0 10			
Transit Time (TT) (US)	Discriminat ed CCL (CCLD) (V)	CBL Amplitude (CBL) (MV)			
260 160	3 -1	0 100			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD		
BILI	Bond Index Level for Zone Isolation	0.8
BISS	Bond Index Source Selection for BIQL	BI
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK
CB3G	SCMT CBL 3 ft Peak Detection T0 Delay and Noise Gate	232 US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20 MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK
CB5G	SCMT CBL 5 ft Peak Detection T0 Delay and Noise Gate	355 US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20 MV
CBLG	CBL Gate Width	40 US
CBRA	CBL LQC Reference Amplitude in Free Pipe	80 MV
CMCF	CBL Cement Type Compensation Factor	1
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN
CMTM	SCMT Operating Mode	LOG
CMTP	SCMT Tool position on CAN	3
CSCS	SCMT Slow Channel Index	VCC
CTHI	Casing Thickness	0.255617 IN
DTF	Delta-T Fluid	204.5 US/F
FATT	Acoustic Attenuation due to Fluid	0 DB/F
FCF	CBL Fluid Compensation Factor	1
GOBO	Good Bond	1.53811 MV
MAPD	SCMT MAP Peak Detection Mode	PEAK
MAPG	SCMT MAP Peak Detection T0 Delay and Noise Gate	171.424 US
MAPT	SCMT MAP Fixed Threshold Level	30 MV
MATT	Maximum Attenuation	16.5449 DB/F
MCCF	MAP Cement Type Compensation Factor	1
MCI	Minimum Cemented Interval for Isolation	10 FT
MMSA	MAP Minimum Sonic Amplitude	4.27504 MV
MSA	Minimum Sonic Amplitude	0.572744 MV
PEDE	Peak Detection On/Off Switch in Playback	OFF
RBC	Relative Bearing Correction Allow/Disallow	DISALLOW
VDLG	VDL Manual Gain	5
ZCMT	Acoustic Impedance of Cement	6.8 MRAY
PSPT-A/B: Production Services Logging Platform		
BHS	Borehole Status	CASED
BHT	Bottom Hole Temperature (used in calculations)	216 DEGF
CSID	Casing Size I.D.	6.5 IN
GCSE	Generalized Caliper Selection	BS
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.01 DF/F
GRSE	Generalized Mud Resistivity Selection	CHART GEN 9

GTSE	Generalized Temperature Selection	LINEAR ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
PBPO	PBMS Tool position on CAN	2	
PCCG	PBMS CCL Gain	DB24	
PSTP	PSTC Tool Position on CAN Bus	1	
SHT	Surface Hole Temperature	30	DEGF
System and Miscellaneous			
ALTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	7.875	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	11.60	LB/F
DFD	Drilling Fluid Density	8.35	LB/G
DO	Depth Offset for Playback	10.0	FT
FLEV	Fluid Level	22.00	FT
MST	Mud Sample Temperature	-50000.00	DEGF
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	NORMAL	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	7724	FT
TDD	Total Depth - Driller	7800.00	FT
TDL	Total Depth - Logger	7724.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: CBL_VDL
Vertical Scale: 5" per 100'
Graphics File Created: 30-Mar-2009 17:45

OP System Version: 17C0-154

SCMT-CB

SRPC-3779-Q1_2009_OP17_b

PSPT-A/B

17C0-154

Input DLIS Files

DEFAULT

SCMT_PSP_040LUP

FN:39

PRODUCER

30-Mar-2009 17:42

911.5 FT

663.0 FT

Output DLIS Files

DEFAULT

SCMT_PSP_042PUP

FN:41

PRODUCER

30-Mar-2009 17:45

Schlumberger

MAIN PASS 0 PSI

MAXIS Field Log

Company: BILL BARRETT CORPORATION
Well: BRYNILDSON 24B-20-692

Output DLIS Files

DEFAULT

SCMT_PSP_037LUP

FN:36

PRODUCER

30-Mar-2009 16:39

OP System Version: 17C0-154

SCMT-CB

SRPC-3779-Q1_2009_OP17_b

PSPT-A/B

17C0-154

PIP SUMMARY

Time Mark Every 60 S

Transit Time (TT)

260 (US) 160

Discriminat ed CCL (CCLD)

0 3 (V) -1

CBL Amplitude (CBL)

(MV) 100

Gamma Ray (GR)

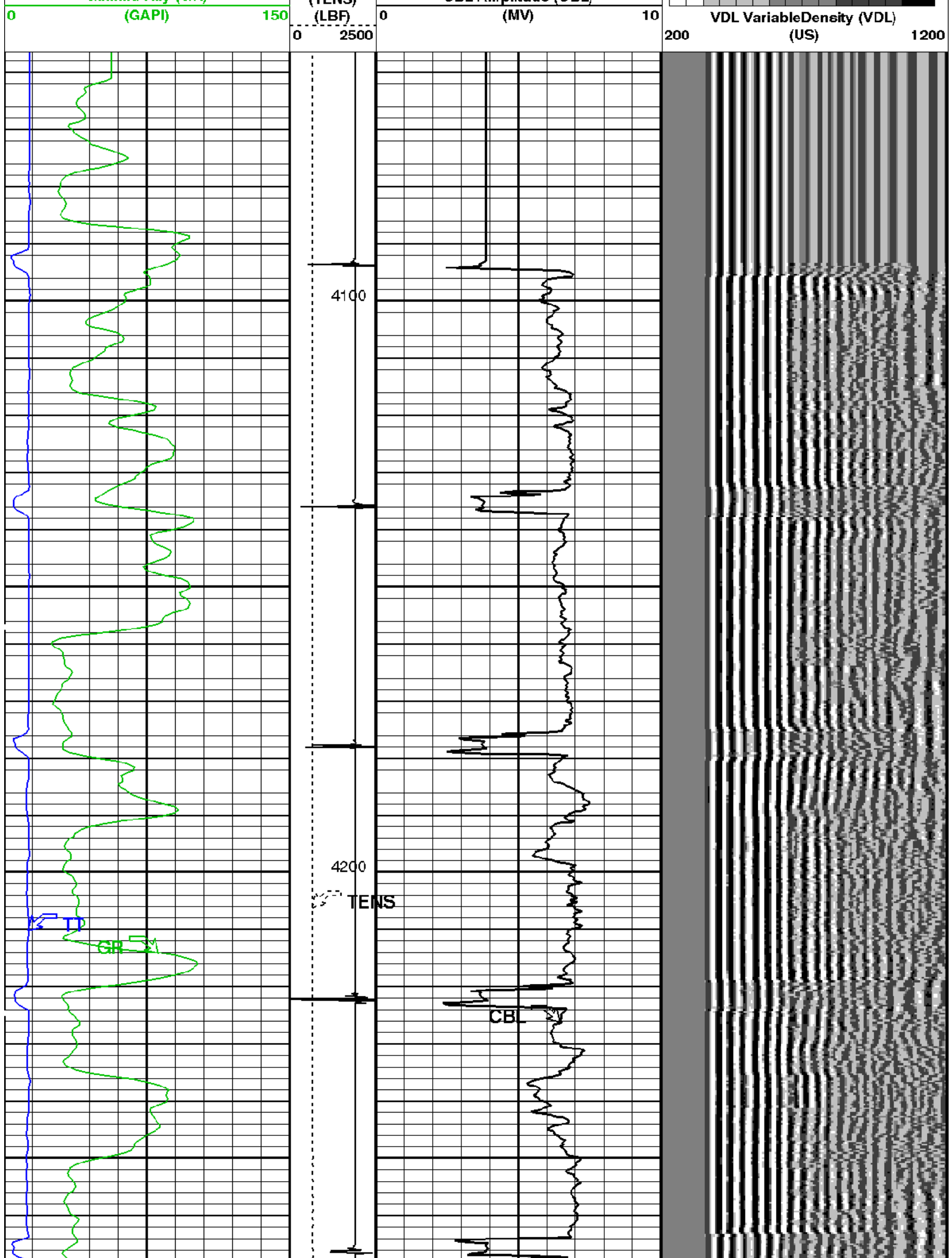
Tension (TENS)

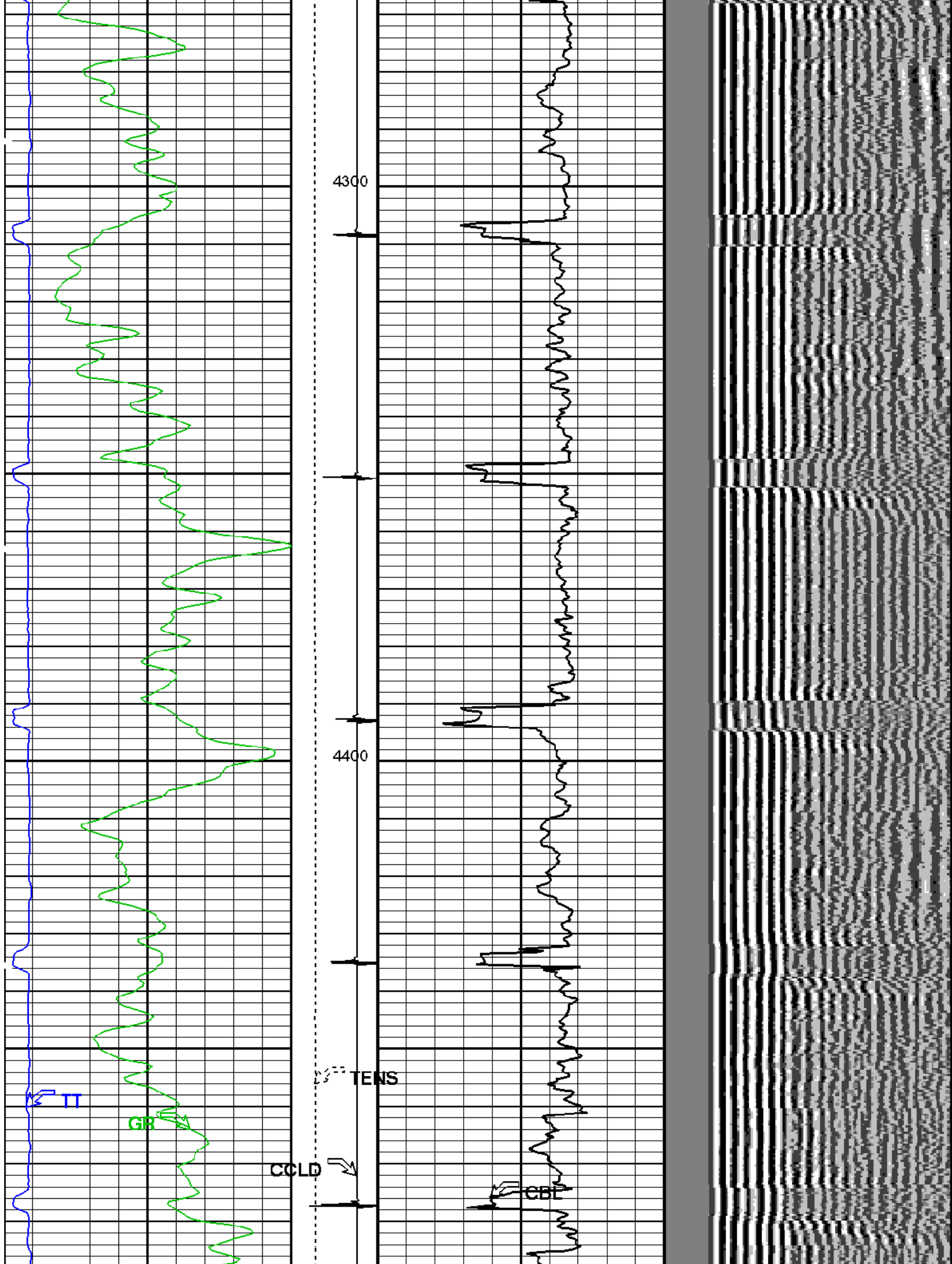
CBL Amplitude (CBL)

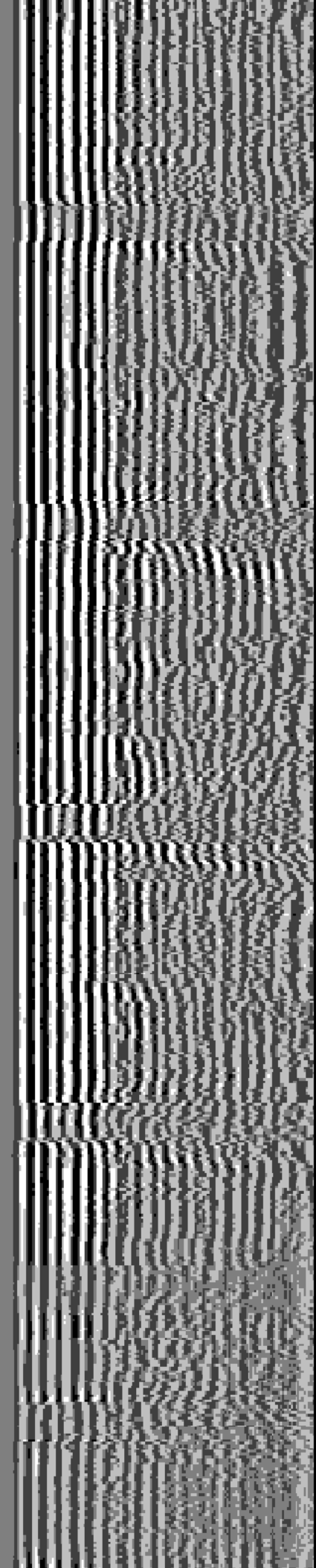
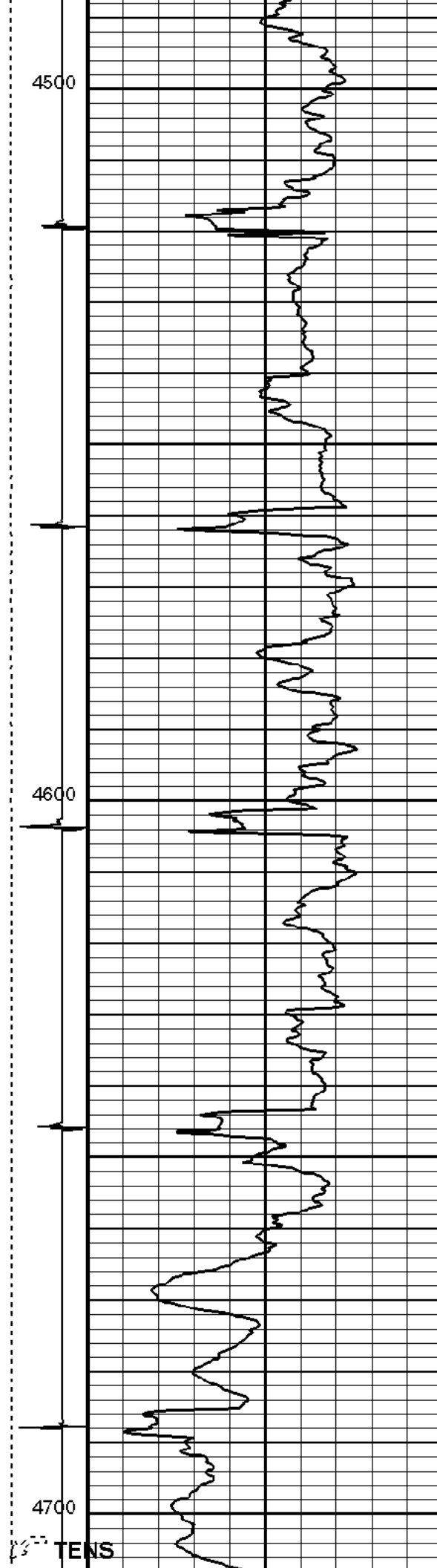
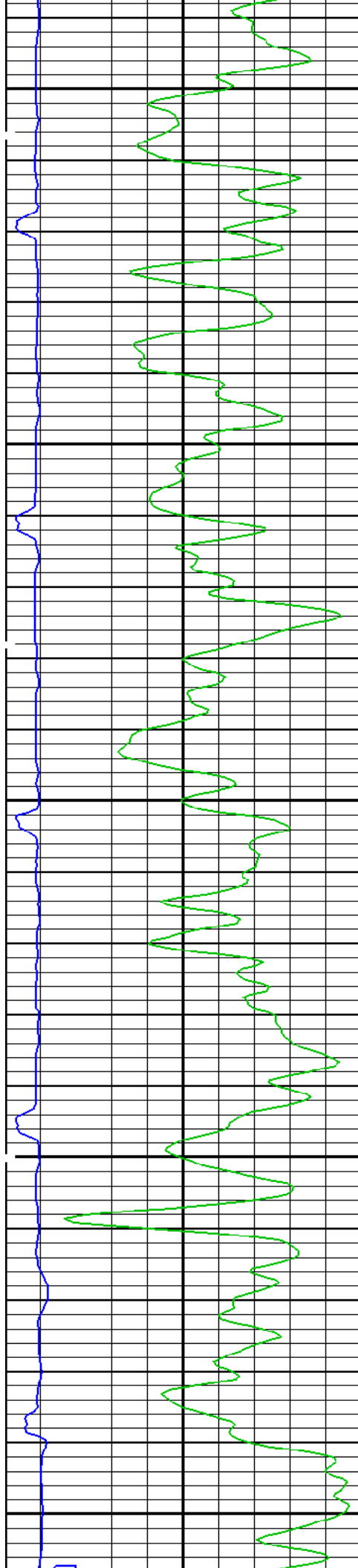
Min

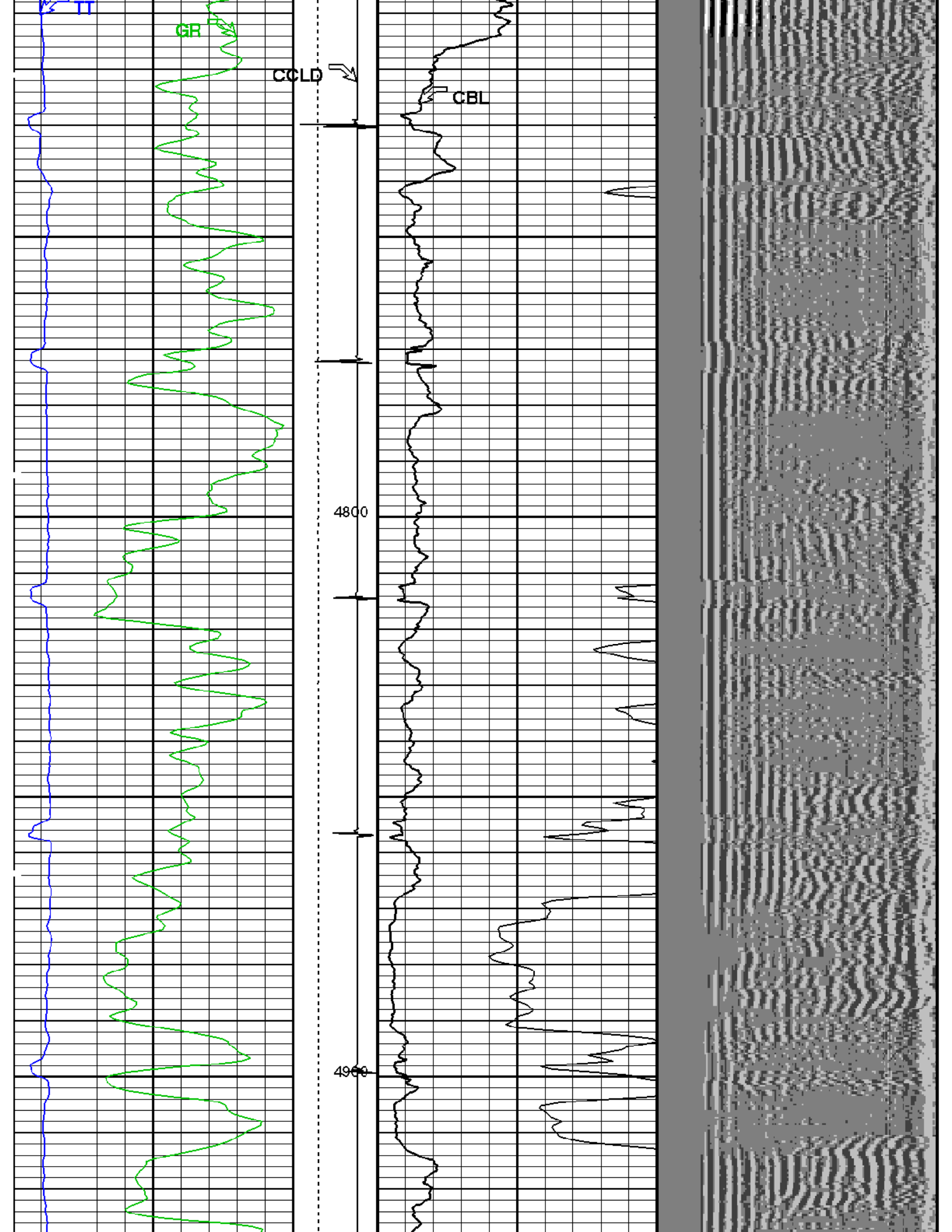
Amplitude

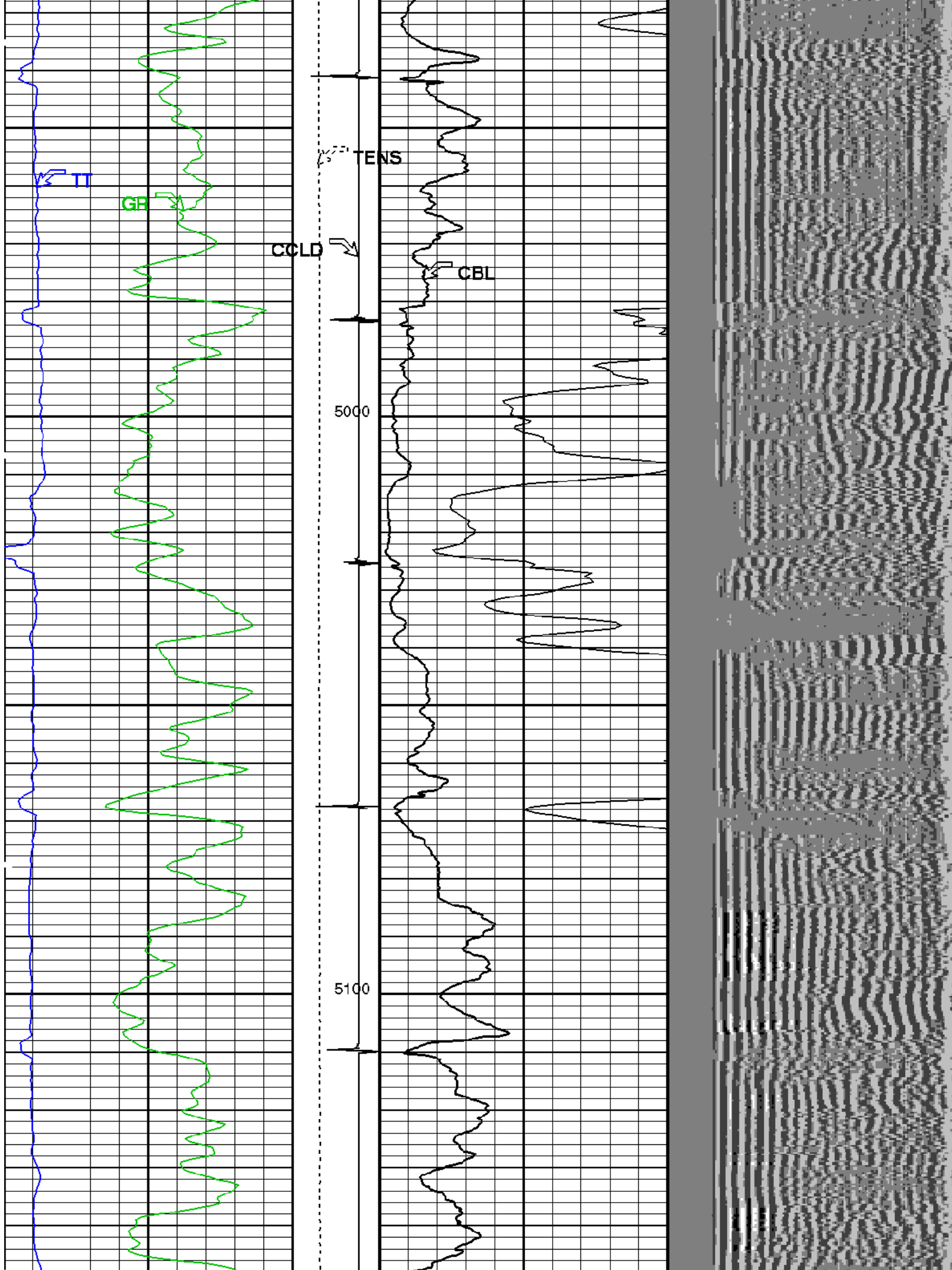
Max

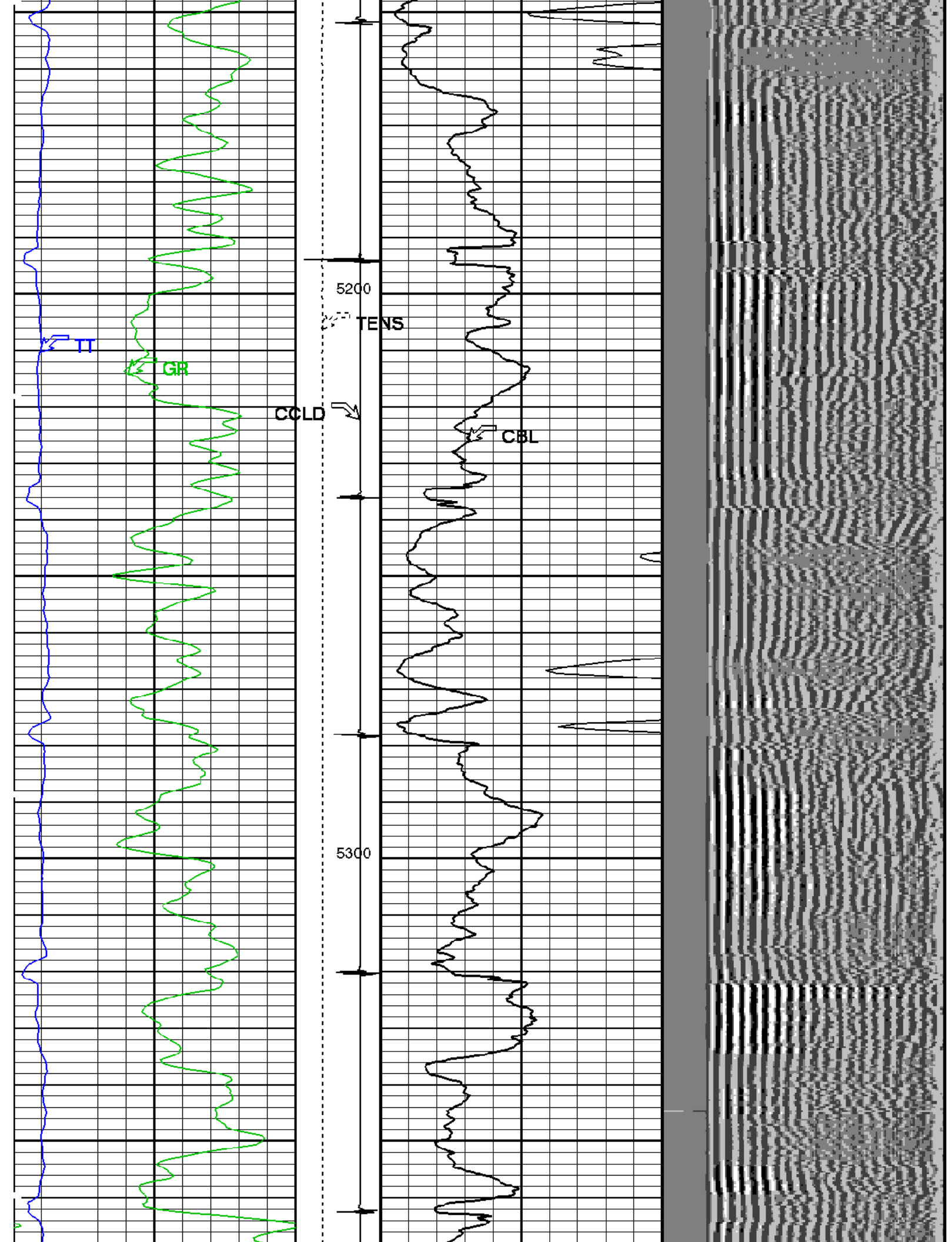


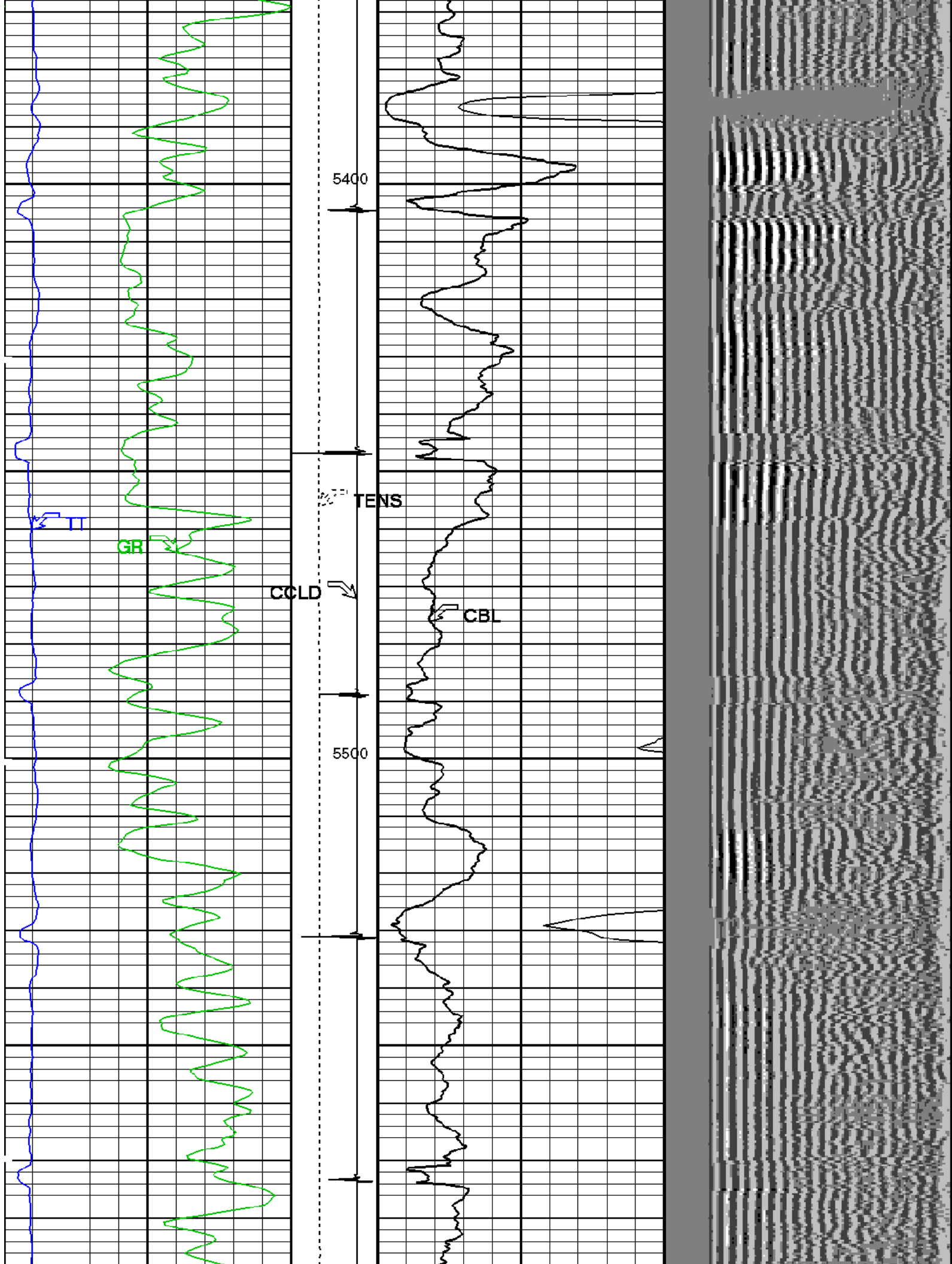


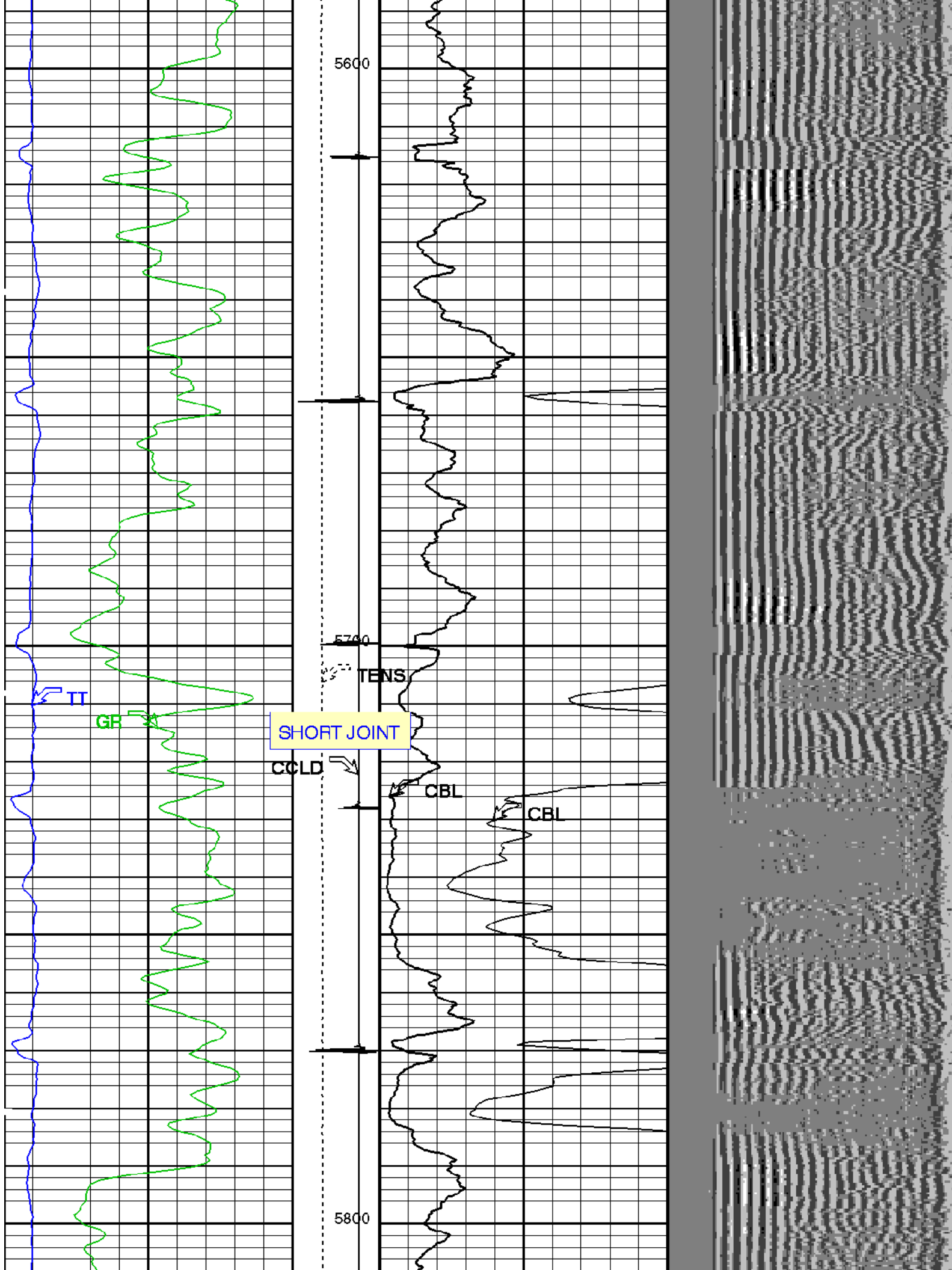


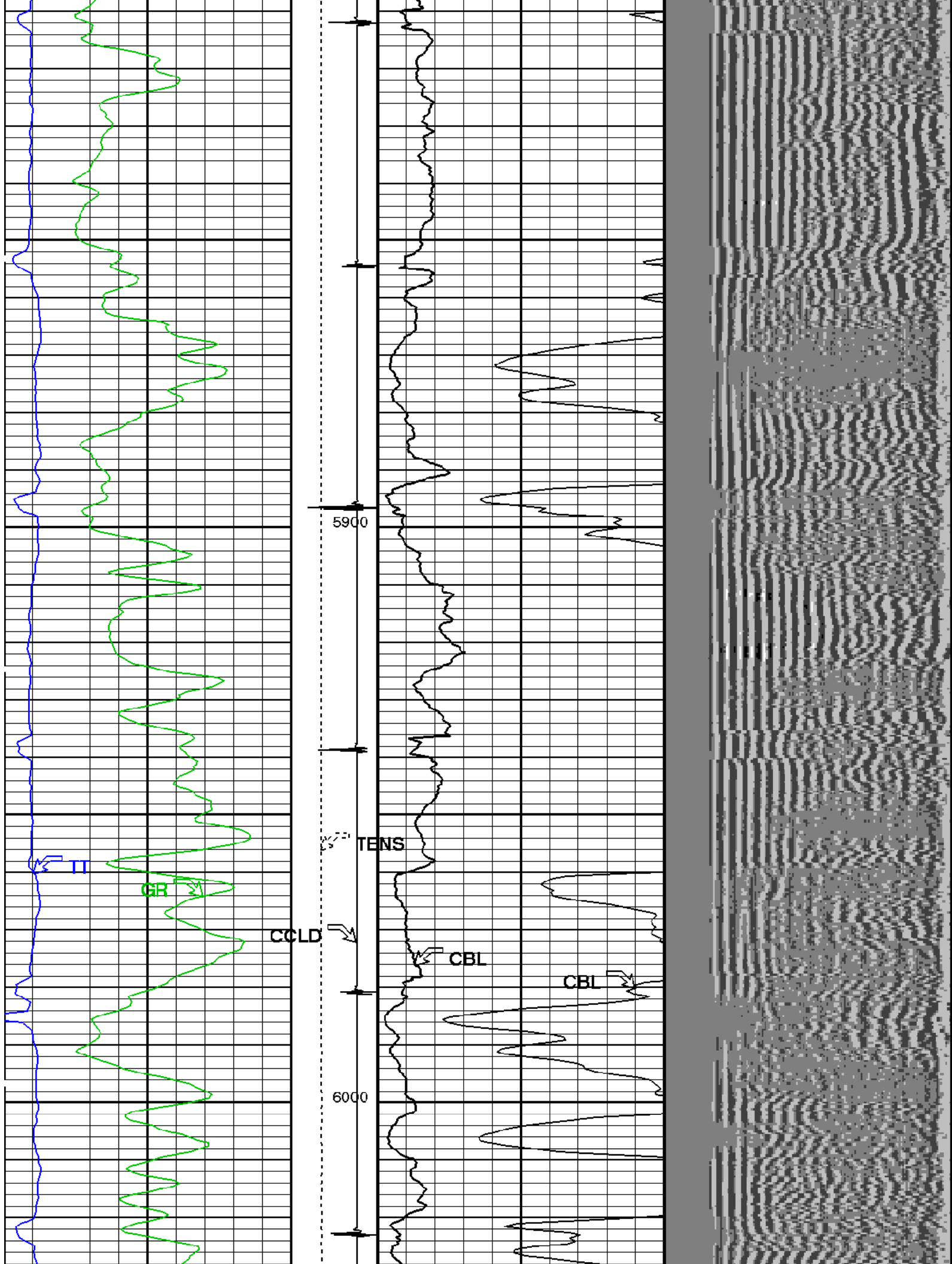


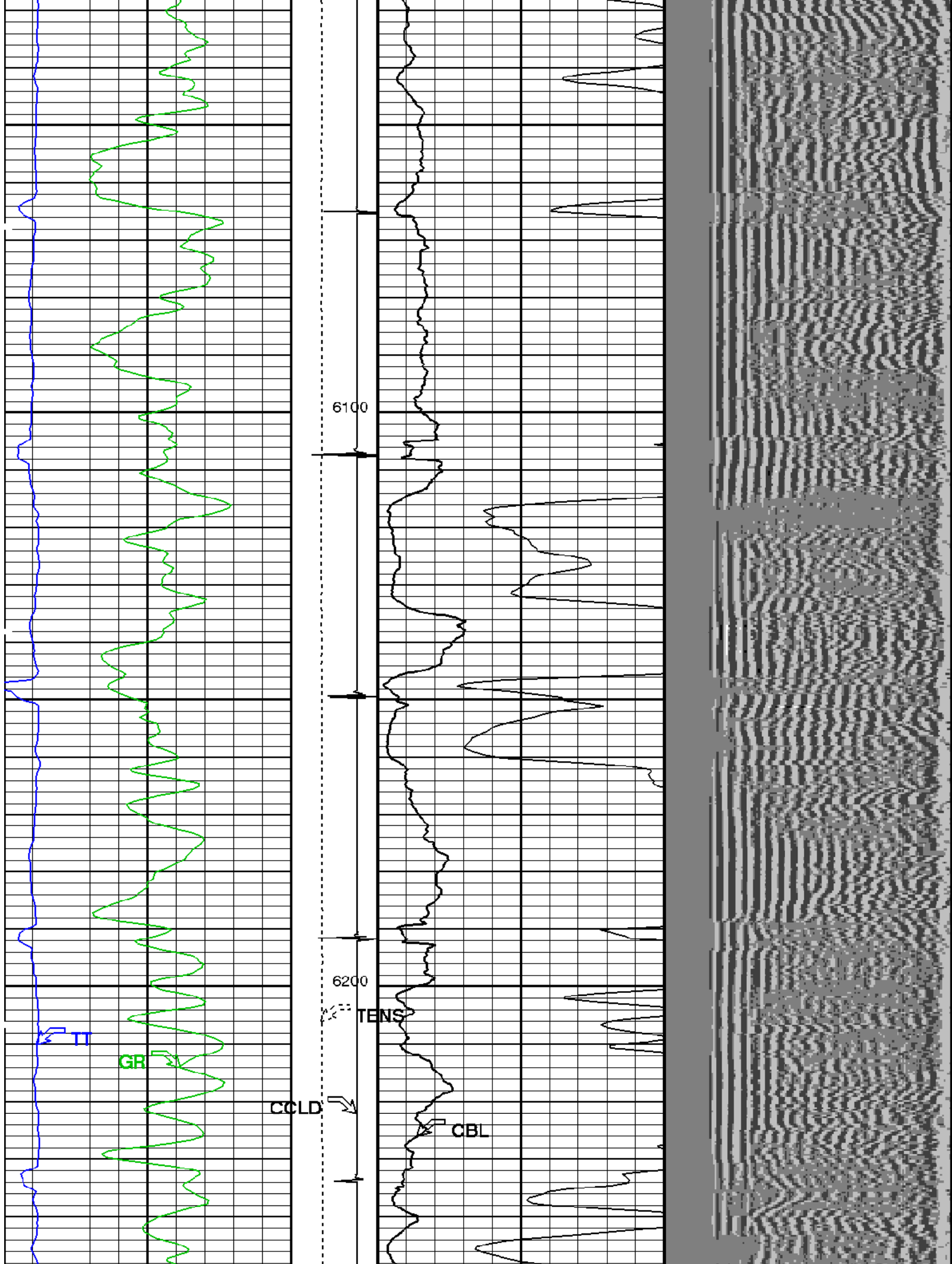


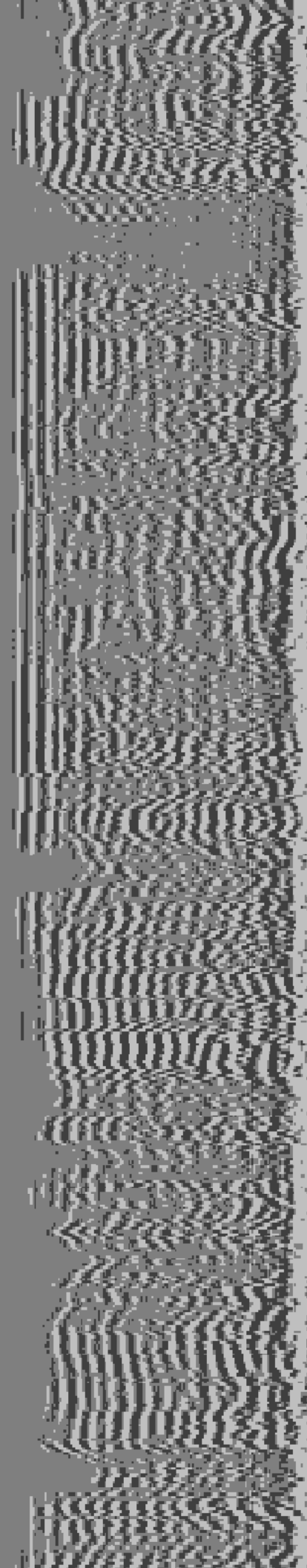
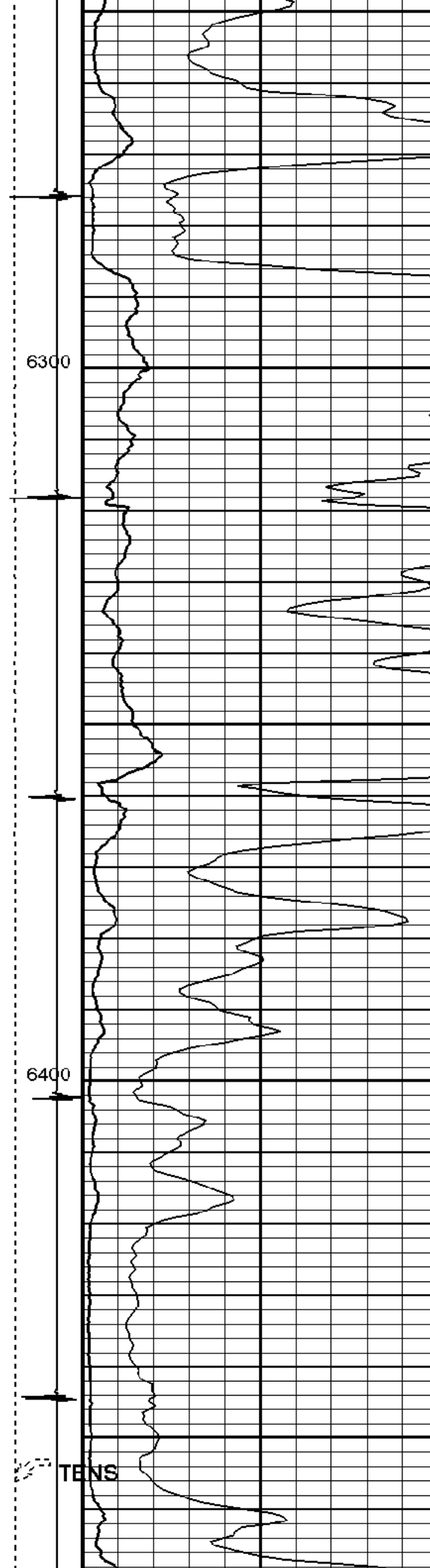
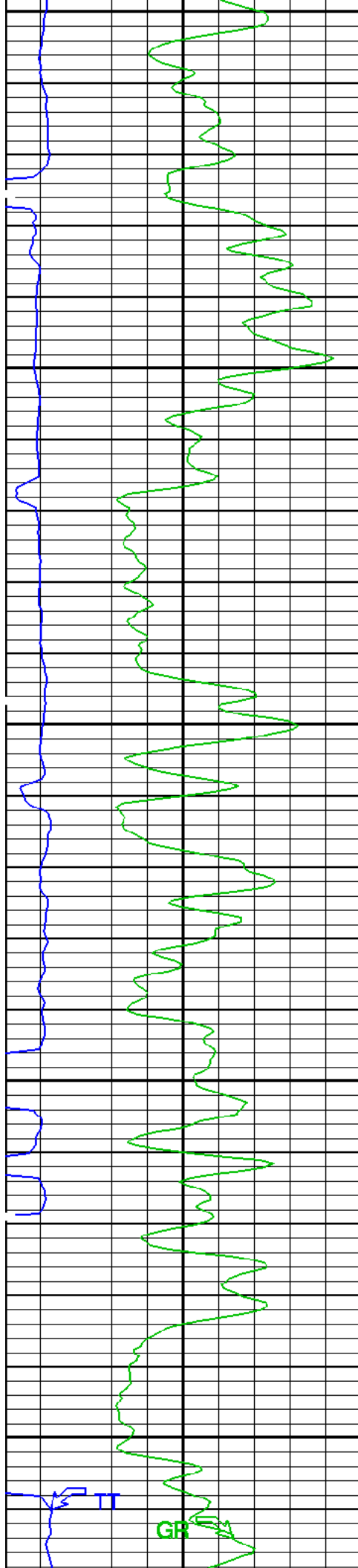


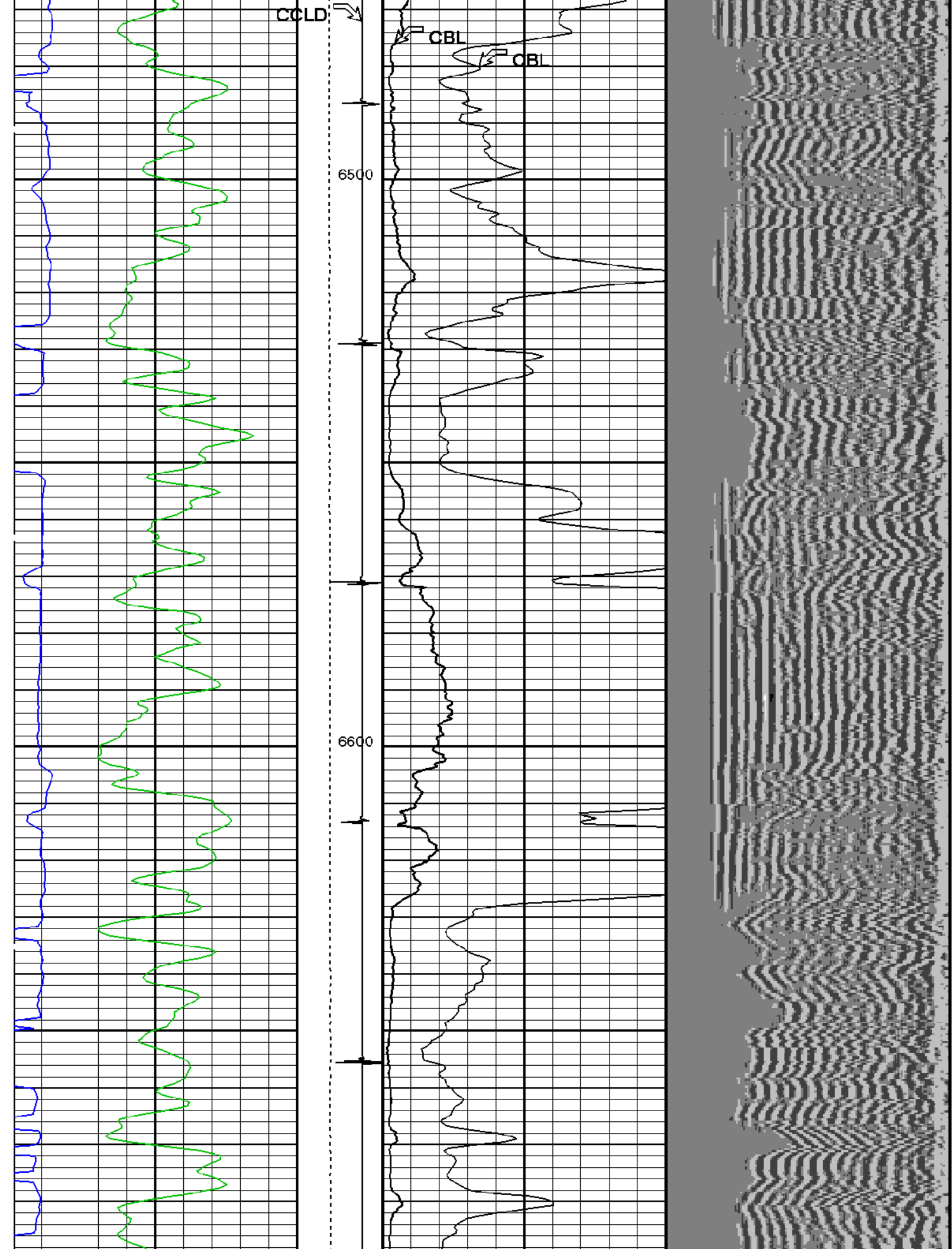


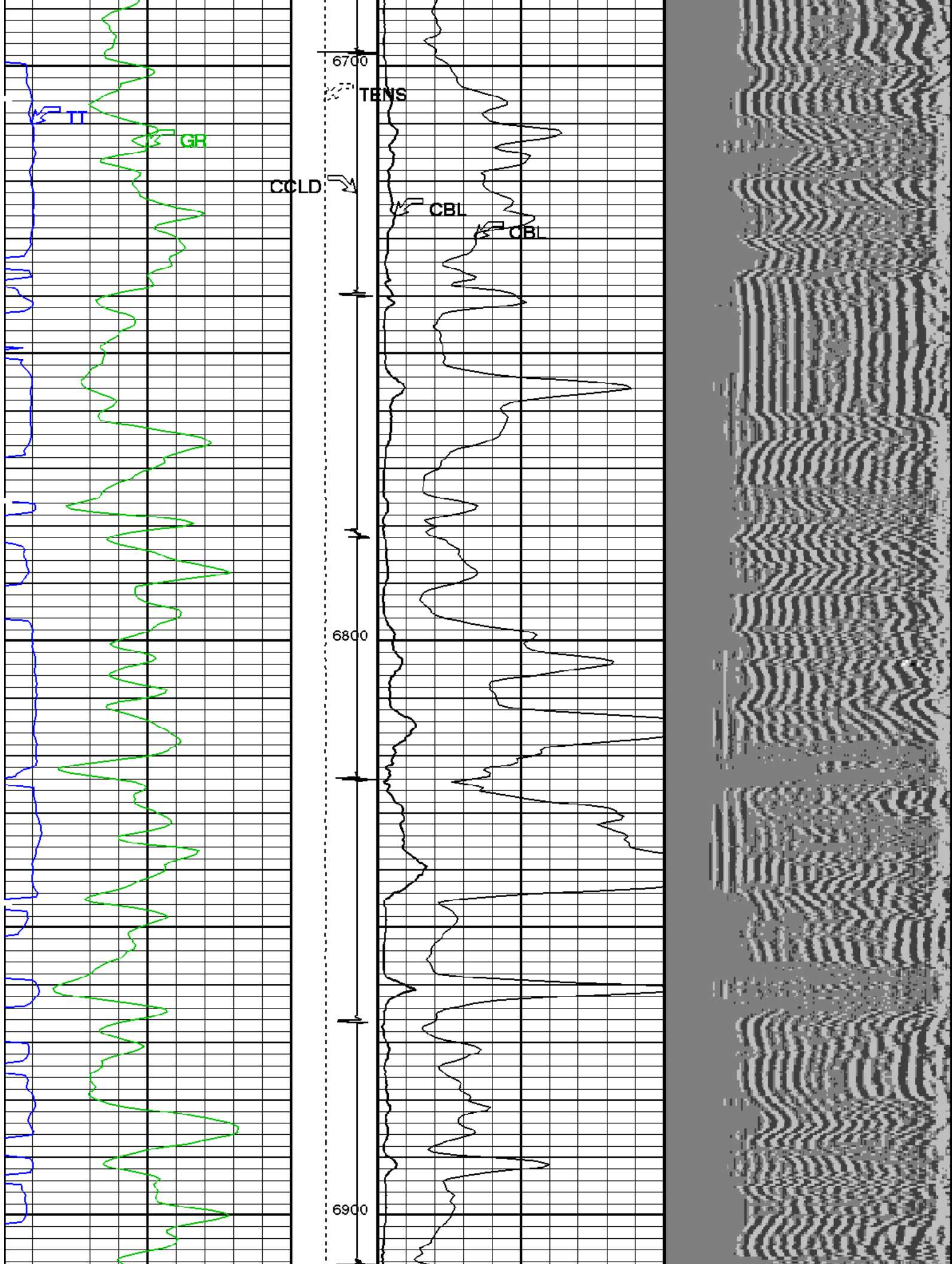


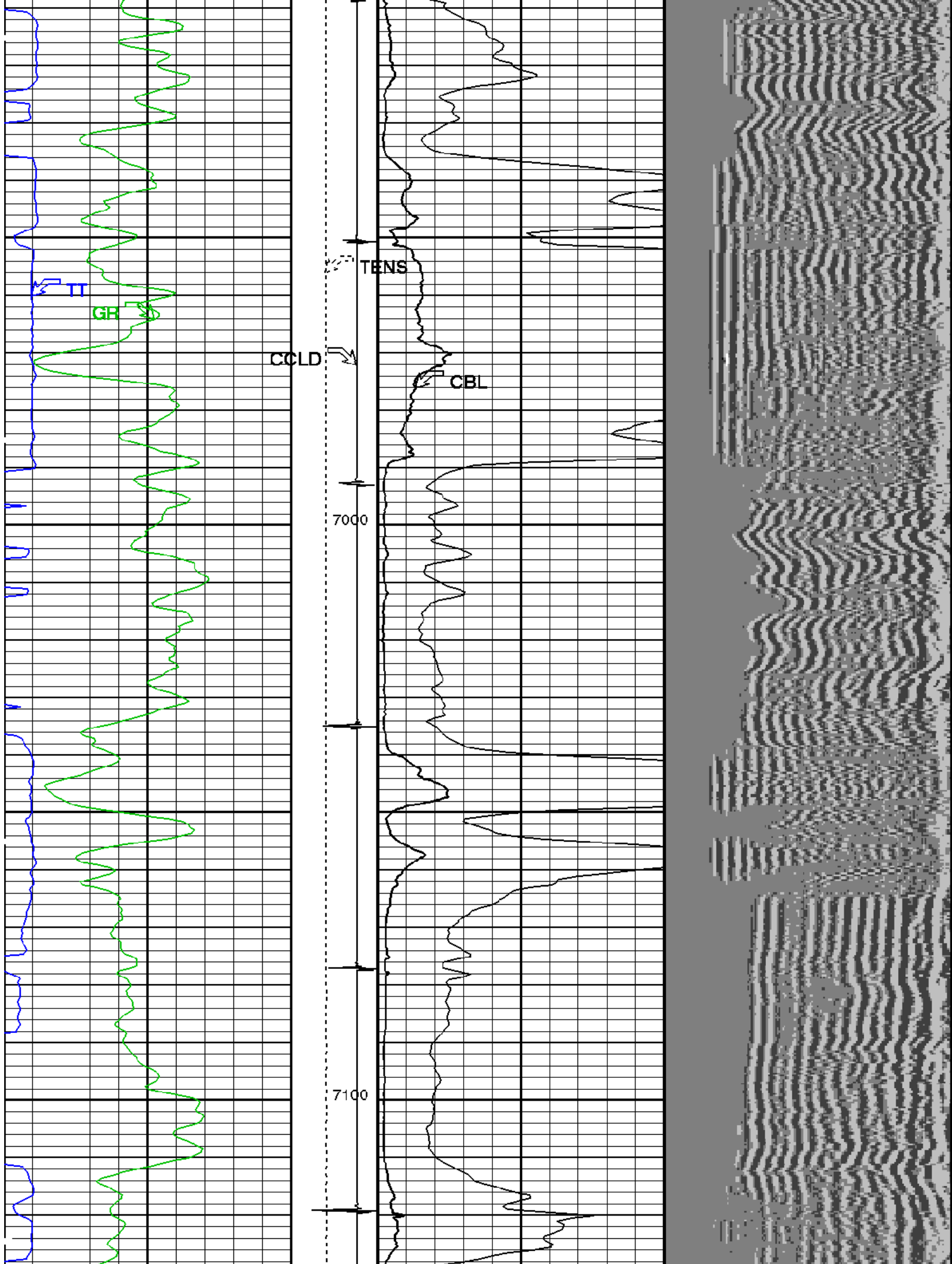


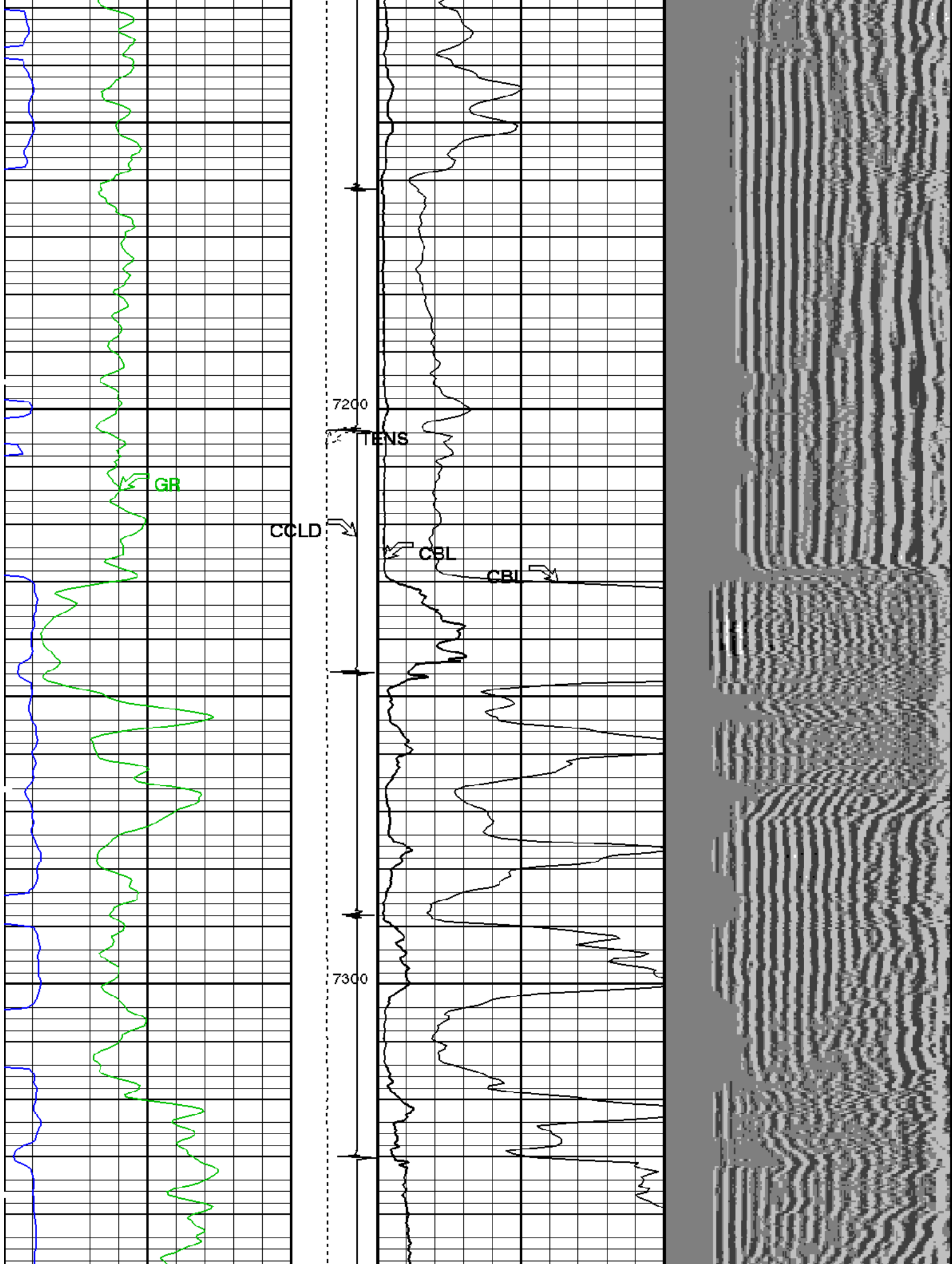


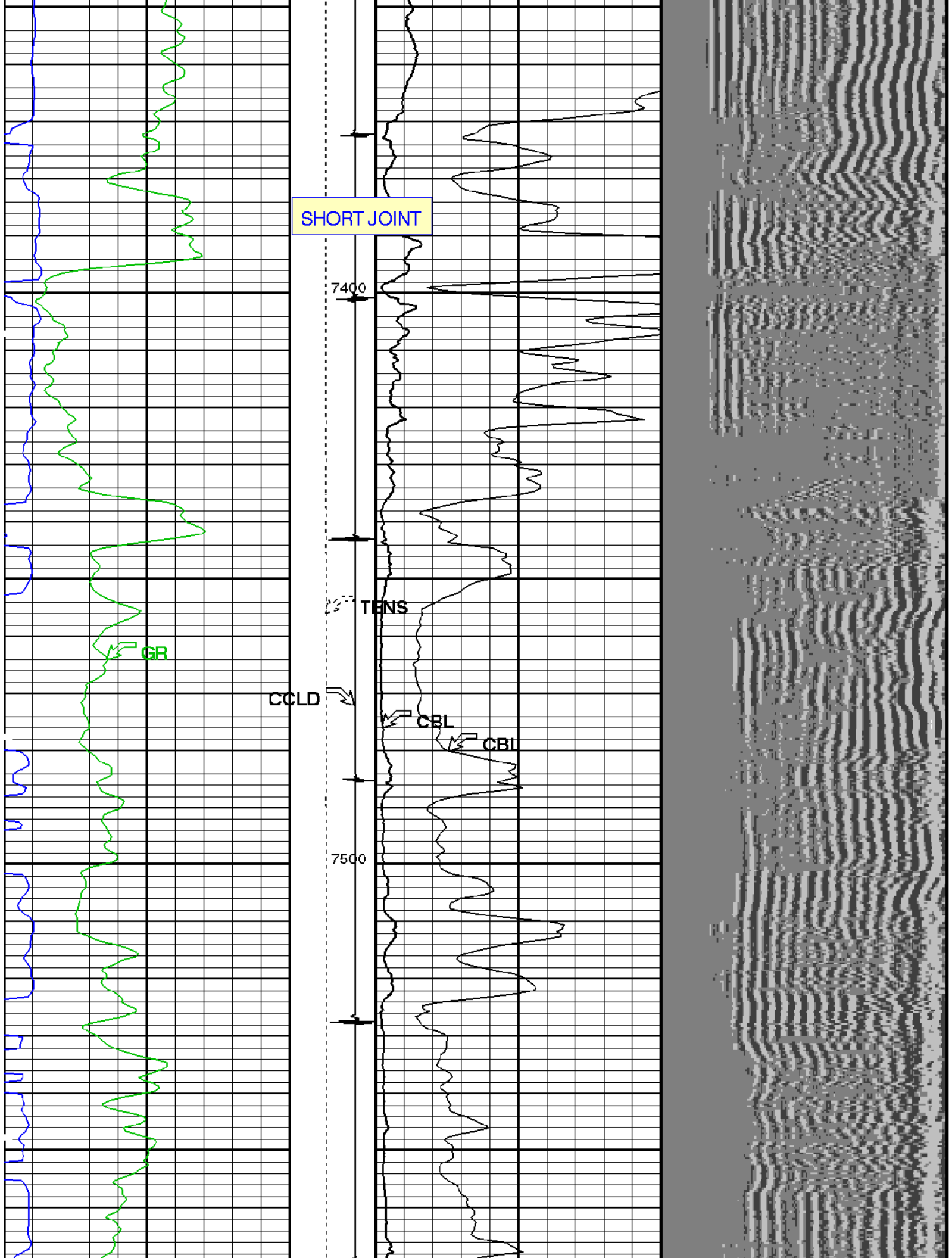


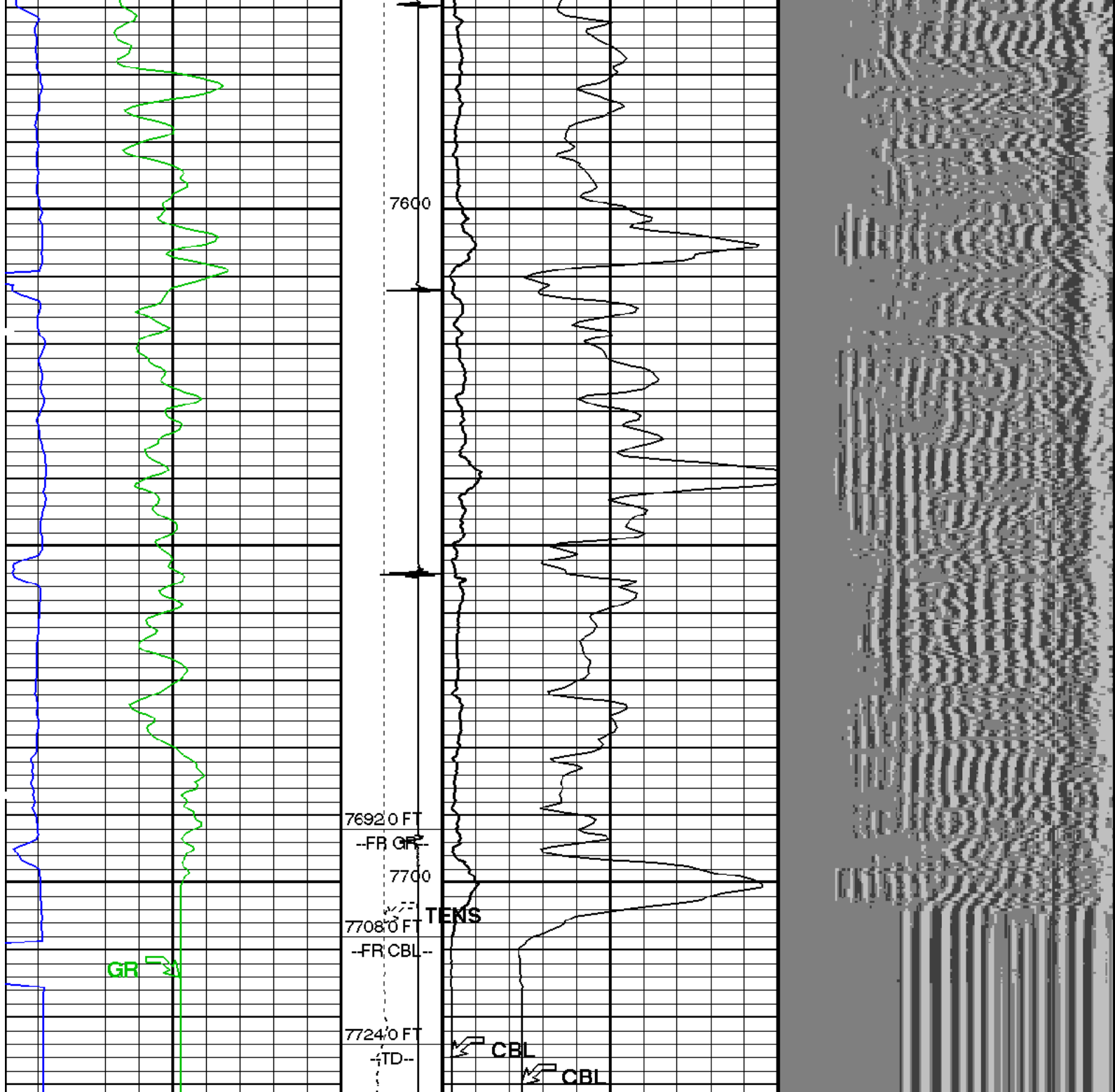












Gamma Ray (GR) (GAPI)	Tension (TENS) (LBF)	CBL Amplitude (CBL) (MV)	Min Amplitude Max 200 VDL Variable Density (VDL) (US) 1200
Transit Time (TT) (US)	Discriminated CCL (CCLD) (V)	CBL Amplitude (CBL) (MV)	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BILI	SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD Bond Index Level for Zone Isolation	0.8

BISS	Bond Index Source Selection for BIQL	BI	
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK	
CB3G	SCMT CBL 3 ft Peak Detection T0 Delay and Noise Gate	232	US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20	MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK	
CB5G	SCMT CBL 5 ft Peak Detection T0 Delay and Noise Gate	355	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	40	US
CBRA	CBL LQC Reference Amplitude in Free Pipe	80	MV
CMCF	CBL Cement Type Compensation Factor	1	
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN	
CMTM	SCMT Operating Mode	LOG	
CMTF	SCMT Tool position on CAN	3	
CSCS	SCMT Slow Channel Index	VCC	
CTHI	Casing Thickness	0.255617	IN
DTF	Delta-T Fluid	204.5	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	1	
GOBO	Good Bond	1.53811	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0 Delay and Noise Gate	171.424	US
MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	16.5449	DB/F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	10	FT
MMSA	MAP Minimum Sonic Amplitude	4.27504	MV
MSA	Minimum Sonic Amplitude	0.572744	MV
PEDE	Peak Detection On/Off Switch in Playback	OFF	
RBC	Relative Bearing Correction Allow/Disallow	DISALLOW	
VDLG	VDL Manual Gain	5	
ZCMT	Acoustic Impedance of Cement	6.8	MRAY
PSPT-A/B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	216	DEGF
CSID	Casing Size I.D.	6.5	IN
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART GEN 9	
GTSE	Generalized Temperature Selection	LINEAR ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
PBPO	PBMS Tool position on CAN	2	
PCCG	PBMS CCL Gain	DB24	
PSTP	PSTC Tool Position on CAN Bus	1	
SHT	Surface Hole Temperature	30	DEGF
System and Miscellaneous			
ALTDCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	7.875	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	11.60	LB/F
DFD	Drilling Fluid Density	8.35	LB/G
FLEV	Fluid Level	22.00	FT
MST	Mud Sample Temperature	-50000.00	DEGF
PBVSADP	Use alternate depth channel for playback	NO	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	7724	FT
TDD	Total Depth - Driller	7800.00	FT
TDL	Total Depth - Logger	7724.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: CBL_VDL Vertical Scale: 5" per 100'

Graphics File Created: 30-Mar-2009 16:39

OP System Version: 17C0-154

SCMT-CB SRPC-3779-Q1_2009_OP17_b PSPT-A/B 17C0-154

Output DLIS Files

DEFAULT SCMT_PSP_037LUP FN:36 PRODUCER 30-Mar-2009 16:39

Company: BILL BARRETT CORPORATION

Well: BRYNILDSON 24B-20-692

Input DLIS Files

DEFAULT	SCMT_PSP_035LUP	FN:34	PRODUCER	30-Mar-2009 16:30	7734.5 FT	7379.0 FT
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Output DLIS Files

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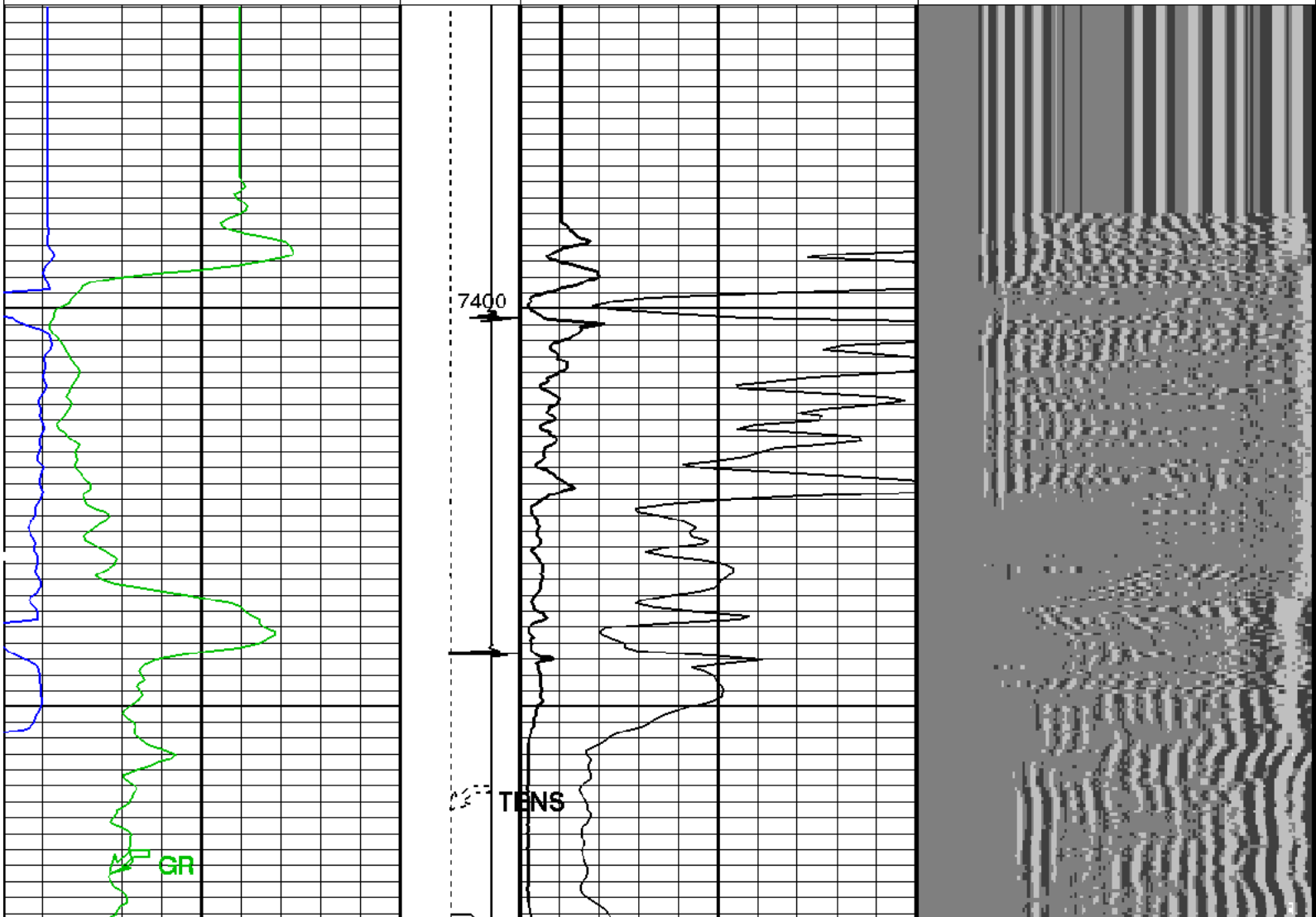
OP System Version: 17C0-154

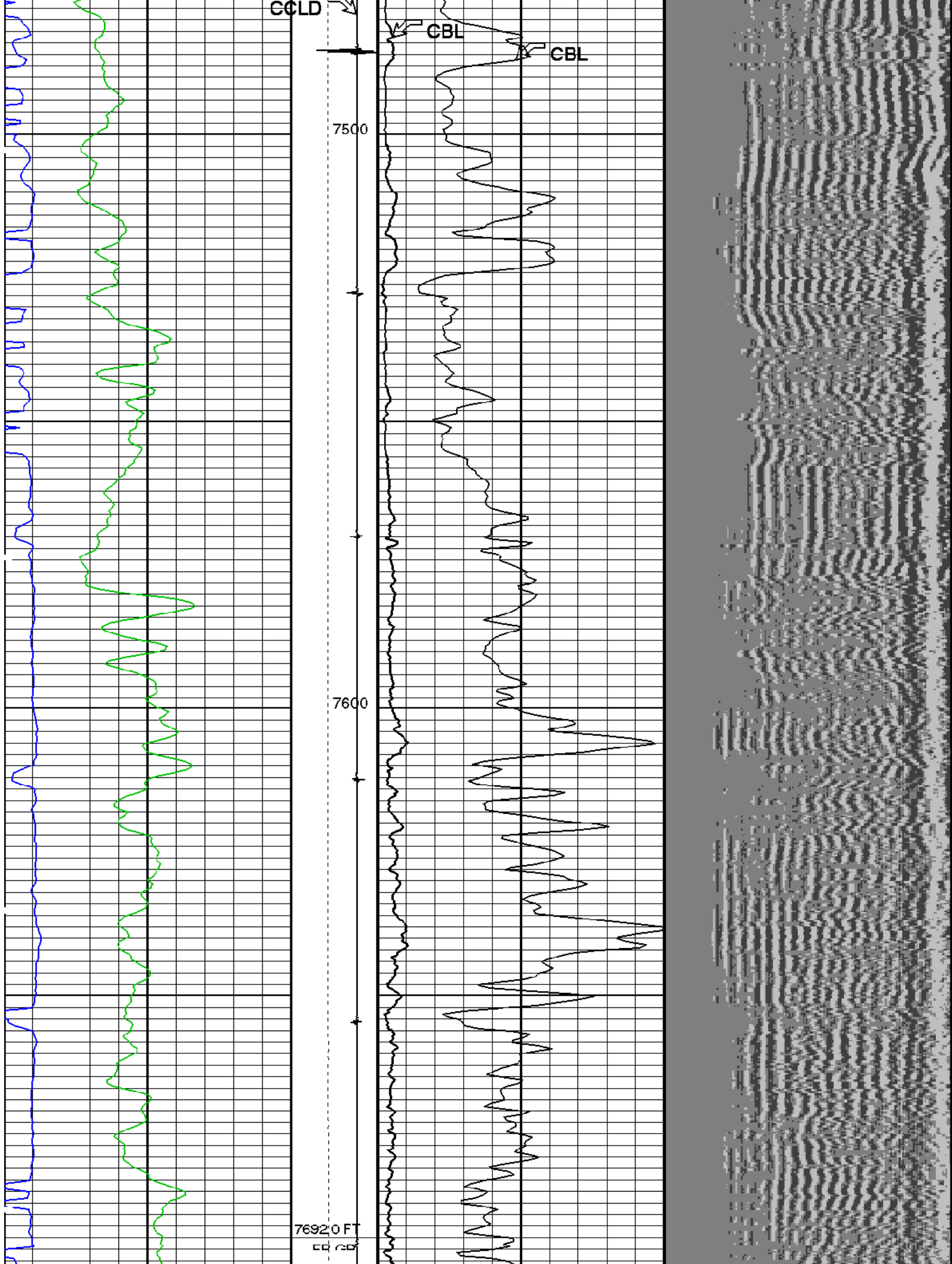
SCMT-CB	SRPC-3779-Q1_2009_OP17_b	PSPT-A/B	17C0-154
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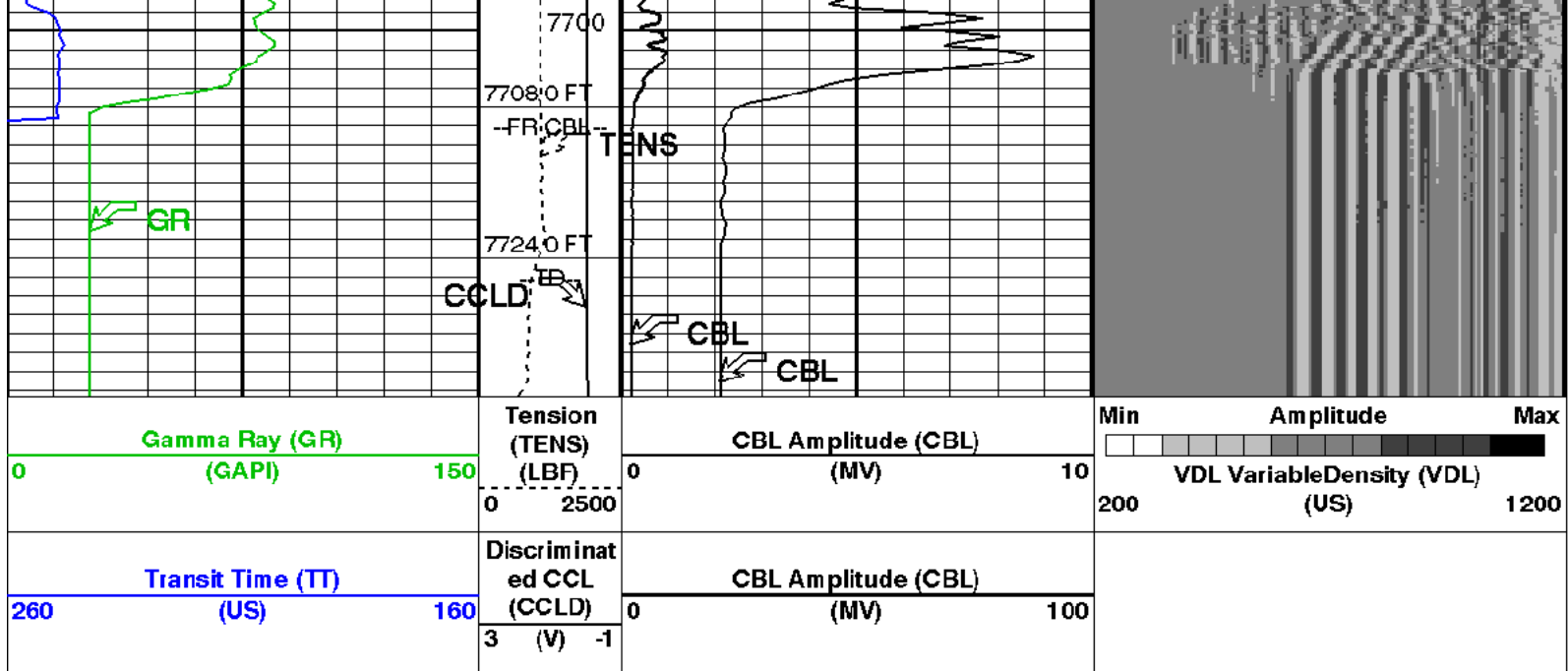
PIP SUMMARY

Time Mark Every 60 S

Transit Time (TT) (US)		Discriminat ed CCL (CCLD) (V)	CBL Amplitude (CBL) (MV)		
260	160	3 -1	0 100	Min	Max
Gamma Ray (GR) (GAPI)		Tension (TENS) (LBF)	CBL Amplitude (CBL) (MV)	VDL VariableDensity (VDL) (US)	
0	150	0 2500	0 10	200	1200







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD		
BILI	Bond Index Level for Zone Isolation	0.8
BISS	Bond Index Source Selection for BIQL	BI
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK
CB3G	SCMT CBL 3 ft Peak Detection T0 Delay and Noise Gate	232 US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20 MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK
CB5G	SCMT CBL 5 ft Peak Detection T0 Delay and Noise Gate	355 US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20 MV
CBLG	CBL Gate Width	40 US
CBRA	CBL LQC Reference Amplitude in Free Pipe	80 MV
CMCF	CBL Cement Type Compensation Factor	1
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN
CMTM	SCMT Operating Mode	LOG
CMTP	SCMT Tool position on CAN	3
CSCS	SCMT Slow Channel Index	VCC
CTHI	Casing Thickness	0.255617 IN
DTF	Delta-T Fluid	204.5 US/F
FATF	Acoustic Attenuation due to Fluid	0 DB/F
FCF	CBL Fluid Compensation Factor	1
GOBO	Good Bond	1.53811 MV
MAPD	SCMT MAP Peak Detection Mode	PEAK
MAPG	SCMT MAP Peak Detection T0 Delay and Noise Gate	171.424 US
MAPT	SCMT MAP Fixed Threshold Level	30 MV
MATT	Maximum Attenuation	16.5449 DB/F
MCCF	MAP Cement Type Compensation Factor	1
MCI	Minimum Cemented Interval for Isolation	10 FT
MMSA	MAP Minimum Sonic Amplitude	4.27504 MV
MSA	Minimum Sonic Amplitude	0.572744 MV
PEDE	Peak Detection On/Off Switch in Playback	OFF
RBC	Relative Bearing Correction Allow/Disallow	DISALLOW
VDLG	VDL Manual Gain	5
ZCMT	Acoustic Impedance of Cement	6.8 MRAY
PSPT-A/B: Production Services Logging Platform		
BHS	Borehole Status	CASED
BHT	Bottom Hole Temperature (used in calculations)	216 DEGF
CSID	Casing Size I.D.	6.5 IN
GCSE	Generalized Caliper Selection	BS
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.01 DF/F
GRSE	Generalized Mud Resistivity Selection	CHART GEN 9
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
ISSBAR	Barite Mud Switch	NOBARITE
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
PBPO	PBMS Tool position on CAN	2
PCCG	PBMS CCL Gain	DB24
PSTP	PSTC Tool Position on CAN Bus	1
SHT	Surface Hole Temperature	30 DEGF

ALTDCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	7.875	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	11.60	LB/F
DFD	Drilling Fluid Density	8.35	LB/G
DO	Depth Offset for Playback	4.0	FT
FLEV	Fluid Level	22.00	FT
MST	Mud Sample Temperature	-50000.00	DEGF
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	NORMAL	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	7724	FT
TDD	Total Depth - Driller	7800.00	FT
TDL	Total Depth - Logger	7724.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: CBL_VDL Vertical Scale: 5" per 100'

Graphics File Created: 30-Mar-2009 16:38

OP System Version: 17C0-154

SCMT-CB SRPC-3779-Q1_2009_OP17_b PSPT-A/B 17C0-154

Input DLIS Files

DEFAULT SCMT_PSP_035LUP FN:34 PRODUCER 30-Mar-2009 16:30 7734.5 FT 7379.0 FT

Output DLIS Files

DEFAULT SCMT_PSP_036PUP FN:35 PRODUCER 30-Mar-2009 16:38

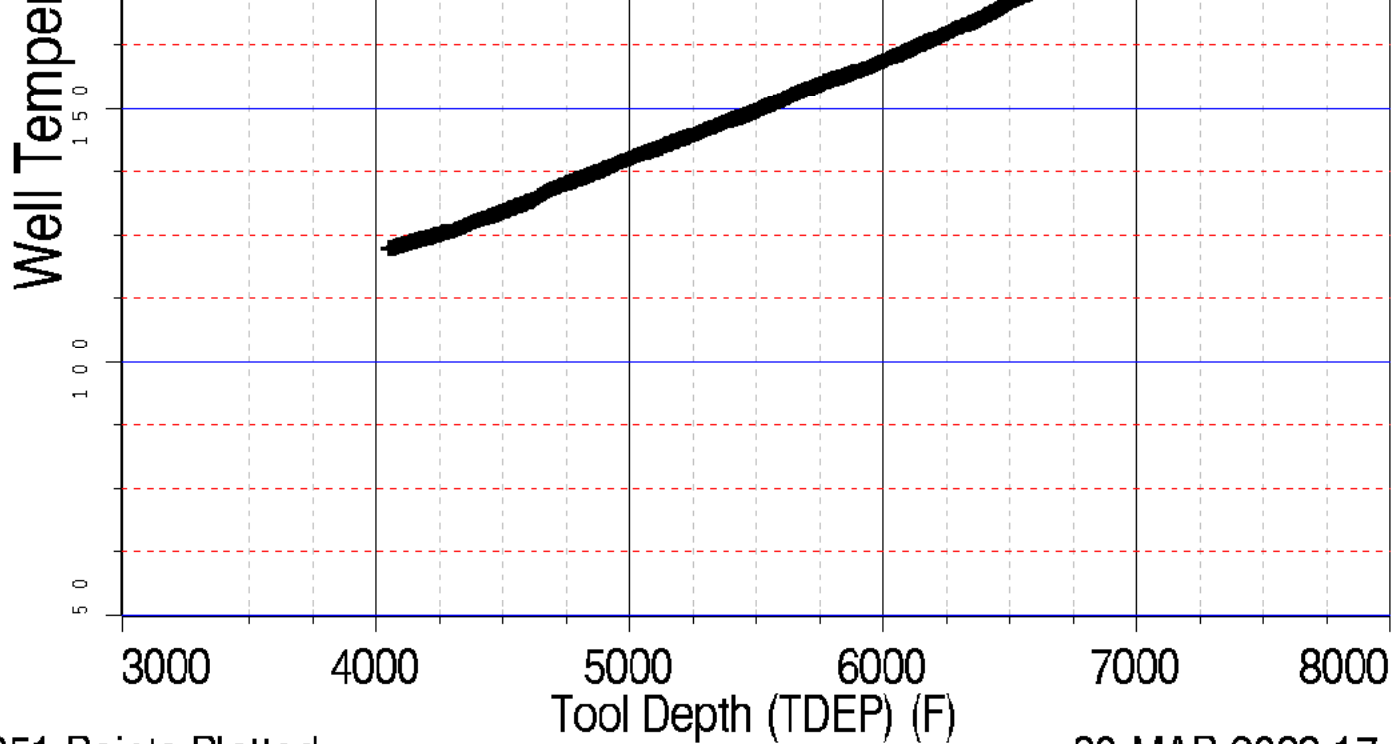
Schlumberger

TEMPERATURE PLOT

MAXIS Field Log

Index: 7731.5 - 4056.5 FT





7351 Points Plotted

30-MAR-2009 17:32

Schlumberger

TEMPERATURE LOG

MAXIS Field Log

Company: BILL BARRETT CORPORATION

Well: BRYNILDSON 24B-20-692

Output DLIS Files

DEFAULT

SCMT_PSP_037LUP

FN:36

PRODUCER

30-Mar-2009 16:39

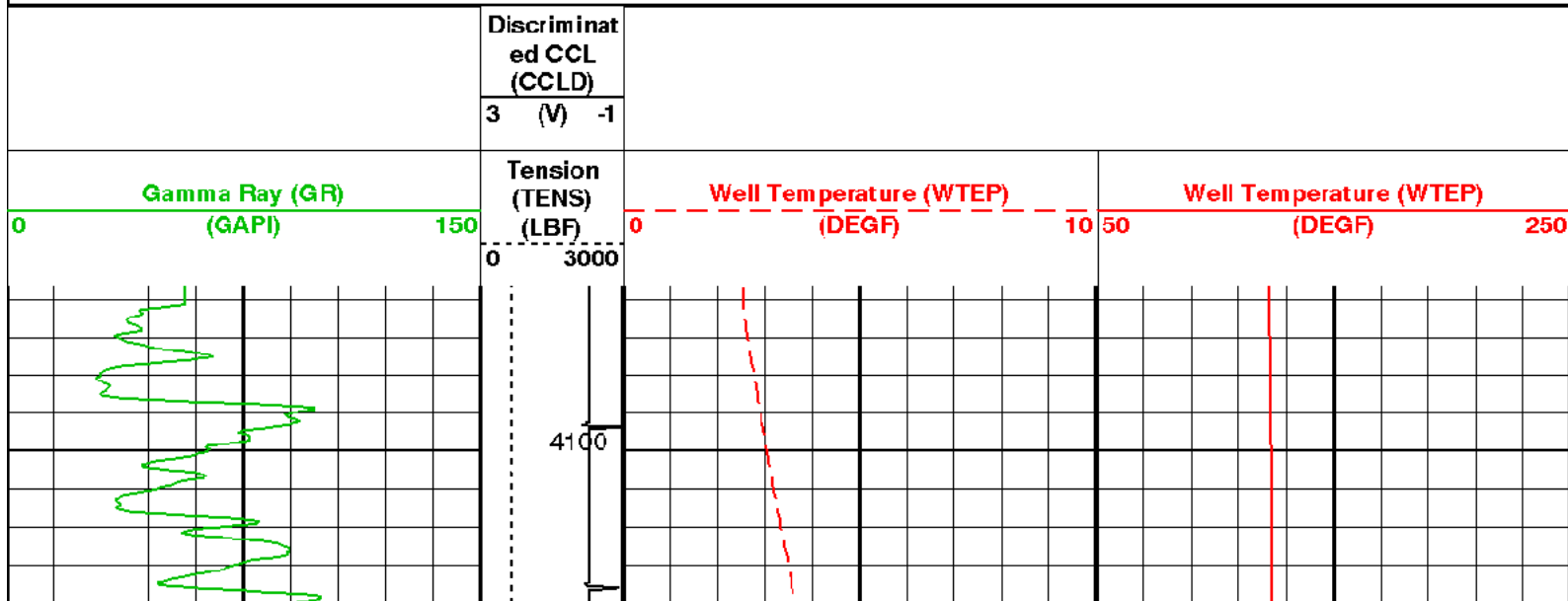
OP System Version: 17C0-154

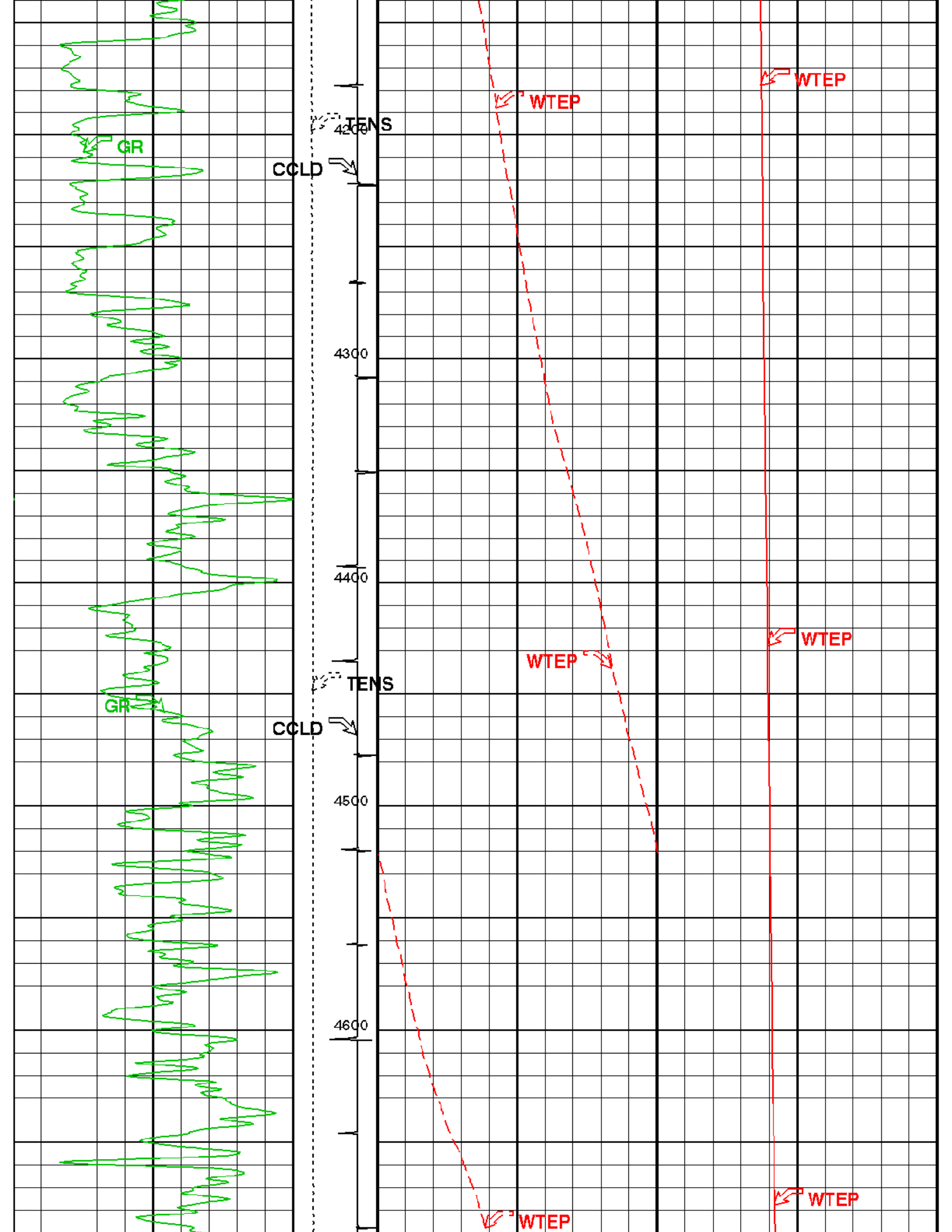
SCMT-CB

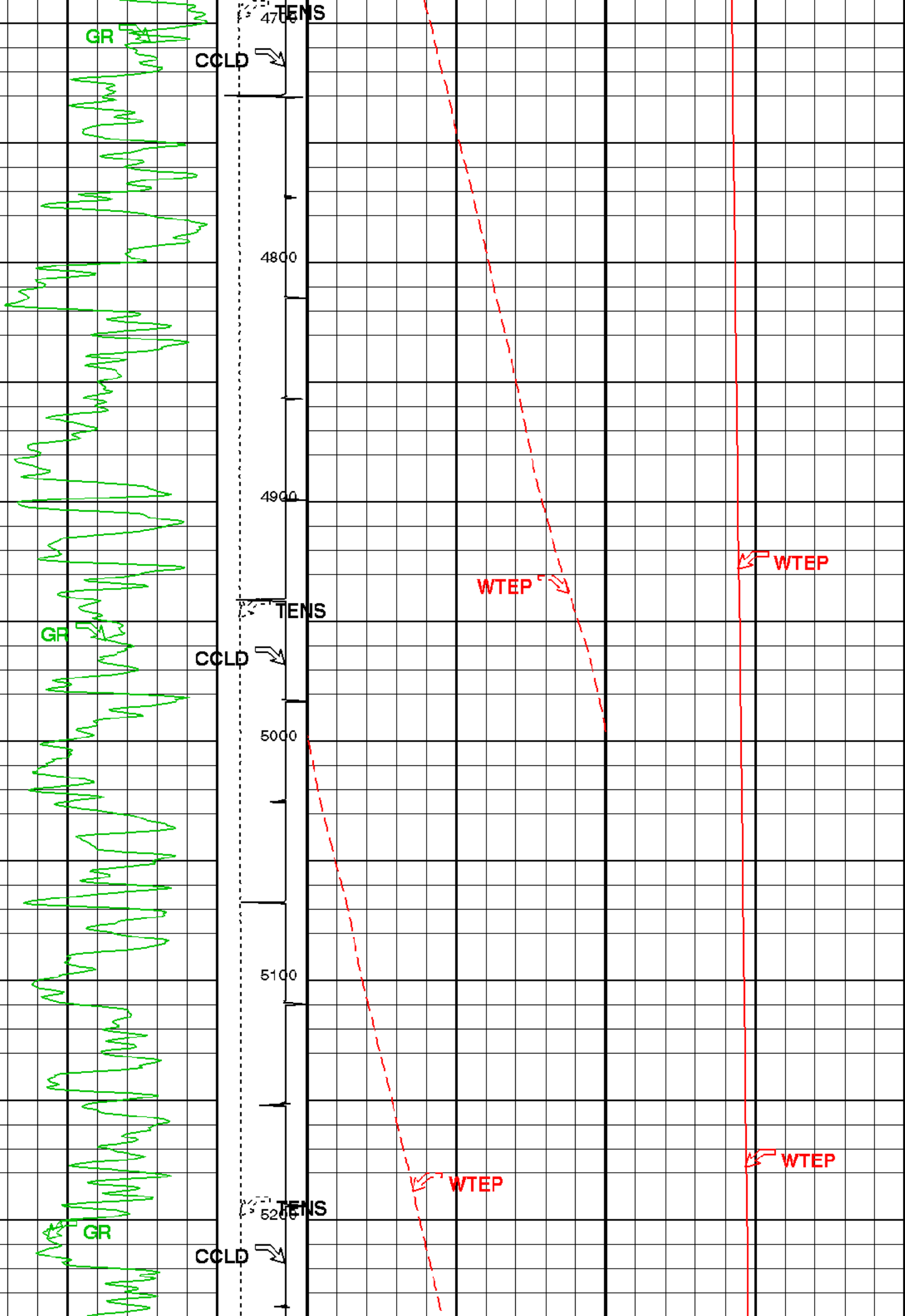
SRPC-3779-Q1_2009_OP17_b

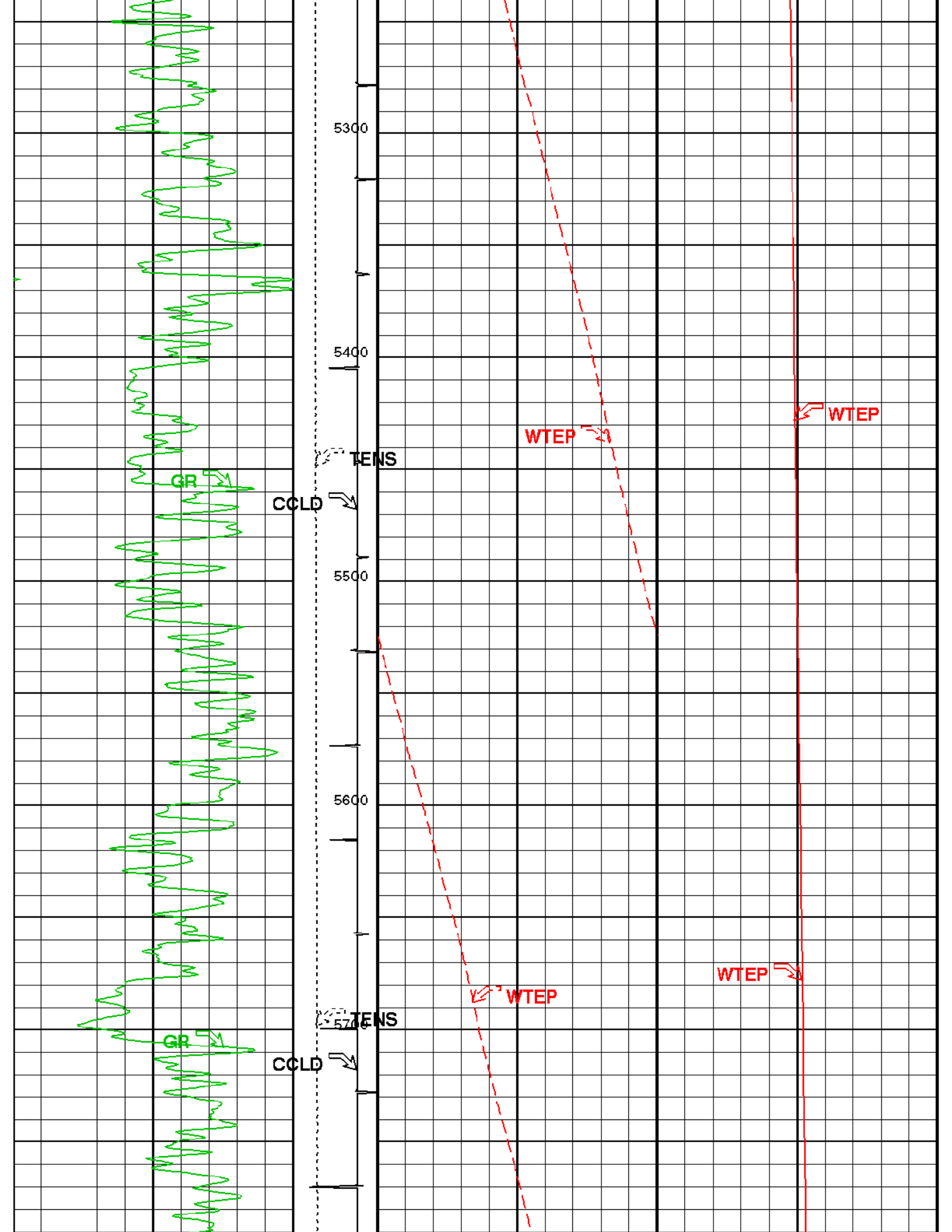
PSPT-A/B

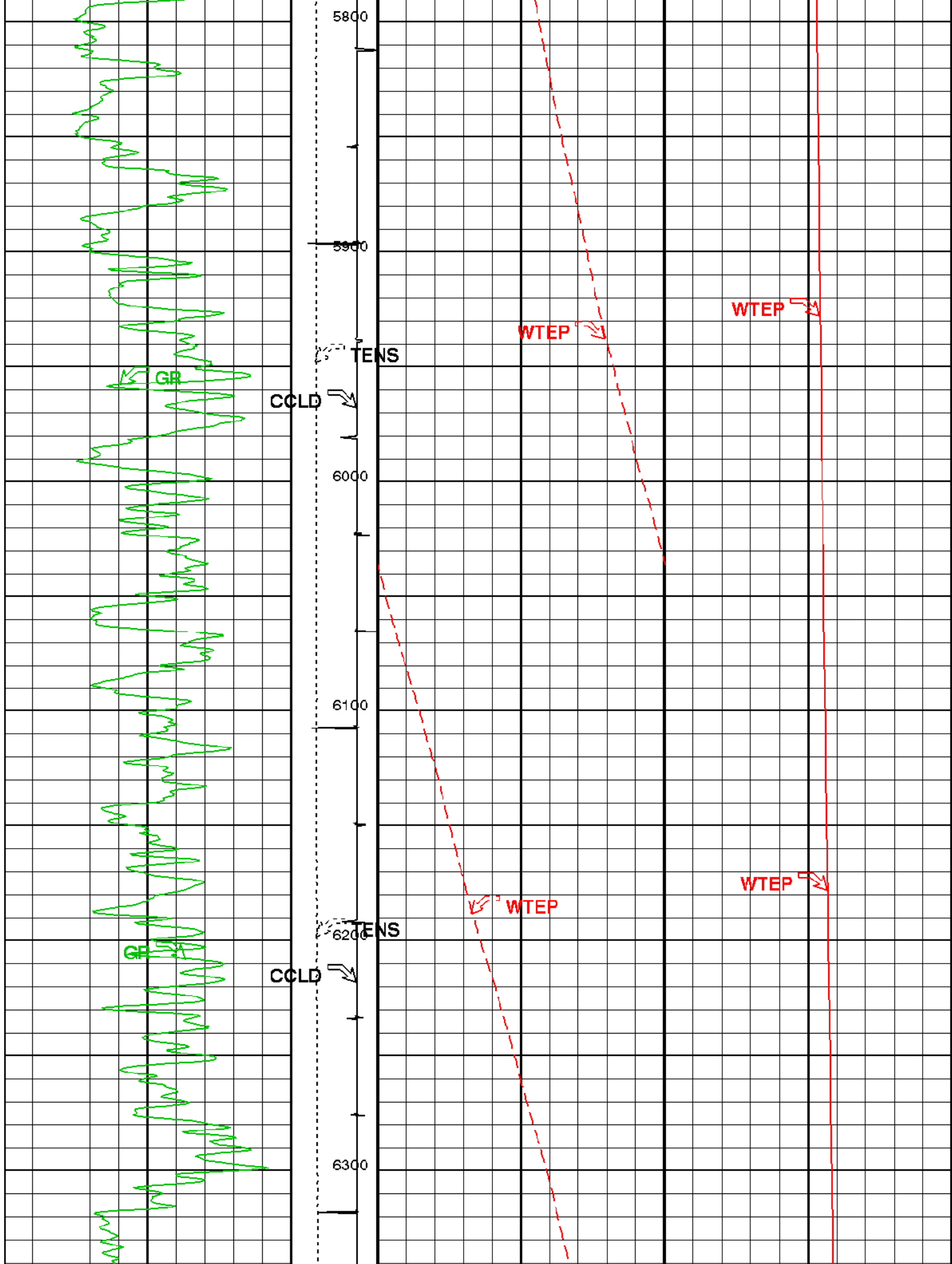
17C0-154

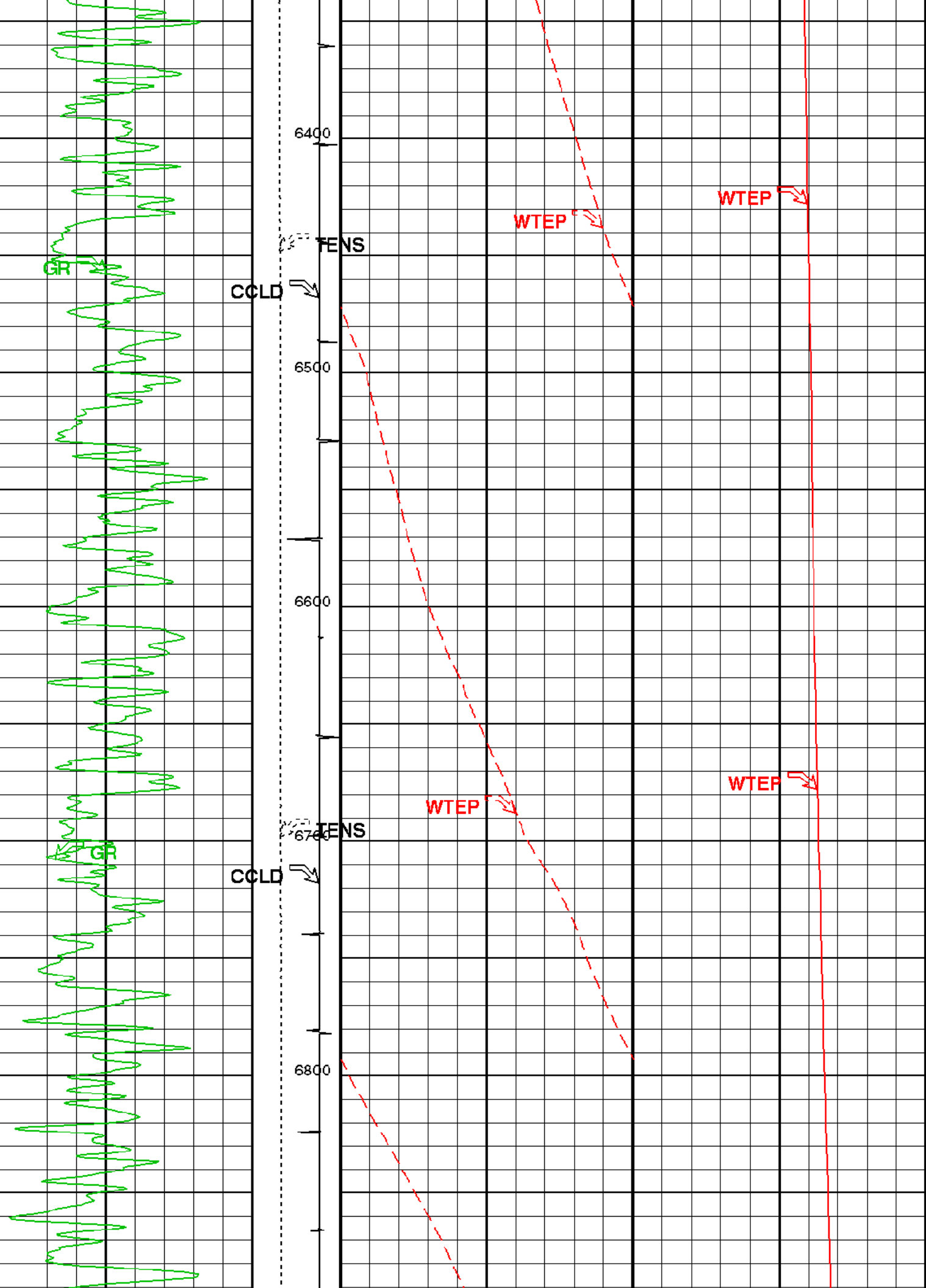


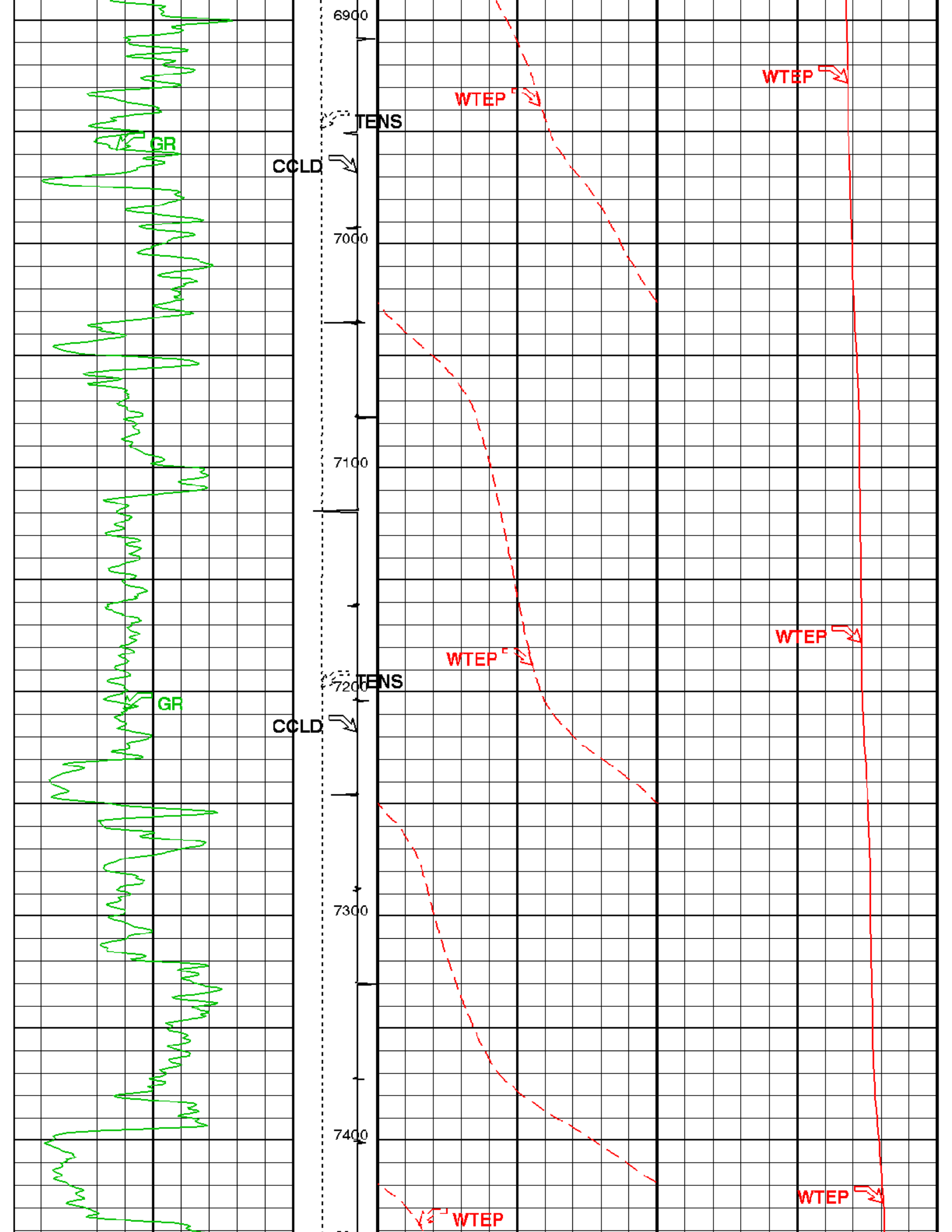


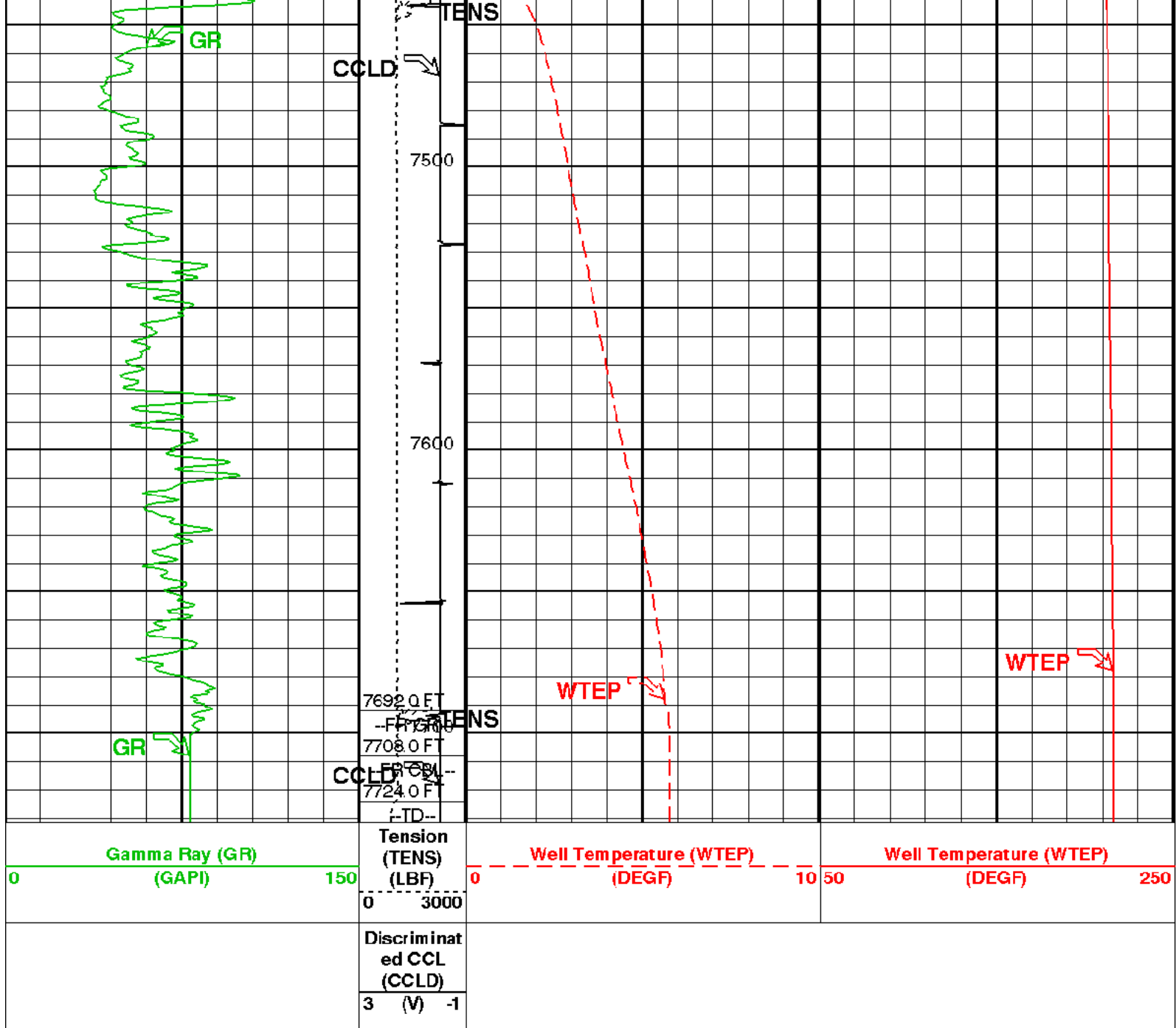












Parameters

DLIS Name	Description	Value	
SCMT-CB: Slim Cement Mapping Tool, 1-11/16 OD			
BILI	Bond Index Level for Zone Isolation	0.8	
BISS	Bond Index Source Selection for BIQL	BI	
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK	
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	232	US
CB3T	SCMT CBL 3 ft Fixed Threshold Level	20	MV
CB5D	SCMT CBL 5 ft Peak Detection Mode	PEAK	
CB5G	SCMT CBL 5 ft Peak Detection T0_Delay and Noise Gate	355	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	40	US
CBRA	CBL LQC Reference Amplitude in Free Pipe	80	MV
CMCF	CBL Cement Type Compensation Factor	1	
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN	
CMTM	SCMT Operating Mode	LOG	
CMTF	SCMT Tool position on CAN	3	
CSCS	SCMT Slow Channel Index	VCC	
CTHI	Casing Thickness	0.255617	IN
DTF	Delta-T Fluid	204.5	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	1	
GOBO	Good Bond	1.53811	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	171.424	US

MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	16.5449	DB/F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	10	FT
MMSA	MAP Minimum Sonic Amplitude	4.27504	MV
MSA	Minimum Sonic Amplitude	0.572744	MV
PEDE	Peak Detection On/Off Switch In Playback	OFF	
RBC	Relative Bearing Correction Allow/Disallow	DISALLOW	
VDLG	VDL Manual Gain	5	
ZCMT	Acoustic Impedance of Cement	6.8	MRAY
PSPT-A/B: Production Services Logging Platform			
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	216	DEGF
CSID	Casing Size I.D.	6.5	IN
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART GEN 9	
GTSE	Generalized Temperature Selection	LINEAR ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
PBPO	PBMS Tool position on CAN	2	
PCCG	PBMS CCL Gain	DB24	
PSTP	PSTC Tool Position on CAN Bus	1	
SHT	Surface Hole Temperature	30	DEGF
System and Miscellaneous			
ALTDPCAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	7.875	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	11.60	LB/F
DFD	Drilling Fluid Density	8.35	LB/G
FLEV	Fluid Level	22.00	FT
MST	Mud Sample Temperature	-50000.00	DEGF
PBVSADP	Use alternate depth channel for playback	NO	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	7724	FT
TDD	Total Depth - Driller	7800.00	FT
TDL	Total Depth - Logger	7724.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: TEMPERATURE_S2 Vertical Scale: 2" per 100' Graphics File Created: 30-Mar-2009 16:39

OP System Version: 17C0-154

SCMT-CB SRPC-3779-Q1_2009_OP17_b PSPT-A/B 17C0-154

Output DLIS Files

DEFAULT SCMT_PSP_037LUP FN:36 PRODUCER 30-Mar-2009 16:39

Schlumberger

COEFFICIENTS

MAXIS Field Log

Client: BILL BARRETT CORPORATON
Field: MAMM CREEK
Well: BRYNILDSON 14A-20-692
Run date: 30-Mar-2009

Tool: PSP
Sub Type: PBMS
Sensor: GR

PBMS Gamma Ray

Sonde Serial NB RESISTORS FOR GR SENSOR N.33659, TOOL PBMS-AA1959. SENSOR S/N:
Sensor Serial NB 33659
Calib Date ddmmyy 090703
Matrix Size 12
Coeff CRC EE95

GR HV Rt

	Rt**0	Rt**1
Rt**0	+.200000000000e+04	+.364000000000e+04

Client: BILL BARRETT CORPORATON
Field: MAMM CREEK
Well: BRYNILDSON 14A-20-692
Run date: 30-Mar-2009

Tool: PSP
Sub Type: PBMS
Sensor: WellTemp RTD

PBMS RTD Well Thermometer

Sonde Serial NB COEFFICIENTS FOR RTD THERMOMETER PBMS-A.1959 S/N:
Sensor Serial NB 1959
Calib Date ddmmyy 140104
Matrix Size 16
Coeff CRC 9845

WTemp Coeff

	Tt**0	Tt**1	Tt**2
Tt**0	-1.72864575497E+02	-.199358370151E+03	+.102875069491E+03
	Tt**3	Tt**4	Tt**5
Tt**0	-1.53744880398E+02	+.872847925617E+00	0.0

Client: BILL BARRETT CORPORATON
Field: MAMM CREEK
Well: BRYNILDSON 14A-20-692
Run date: 30-Mar-2009

Tool: PSP
Sub Type: PBMS
Sensor: Sapphire

PBMS Sapphire 10kPsi Gauge

Sonde Serial NB COEFFICIENTS FOR SAPPHIRE PBMS-A.1959 S/N:
Sensor Serial NB 1959
Calib Date ddmmyy 140104
Matrix Size 66
Coeff CRC F6D7

Pres Coeff

	Tt**0	Tt**1	Tt**2
Tp**0	-.179946431836E+04	+.157952253855E+04	-.947625837418E+03
Tp**1	+.414976314890E+04	-.295985436742E+04	+.136170348775E+04
Tp**2	+.193869599540E+00	+.515158896341E+01	-.238425240944E+01
Tp**3	-.202031312476E+01	+.577072059311E+00	0.0
Tp**4	0.0	0.0	0.0
Tp**5	0.0	0.0	0.0

	Tt**3	Tt**4	Tt**5
Tp**0	+.163188944621E+03	-.103123569623E+02	0.0
Tp**1	-.228614519693E+03	+.142071259710E+02	0.0
Tp**2	0.0	0.0	0.0
Tp**3	0.0	0.0	0.0
Tp**4	0.0	0.0	0.0
Tp**5	0.0	0.0	0.0

PBMS Sapphire 10kPsi Gauge

Sonde Serial NB :
Sensor Serial NB 1959
Calib Date ddmmyy 140104
Matrix Size 66
Coeff CRC F31E

Temp Coeff

	Tp**0	Tp**1	Tp**2
Tt**0	-.281186128814E+03	+.311007587327E+01	+.101585411967E+01
Tt**1	+.565215827289E+02	-.335488632479E+01	-.217801978672E+00

Tt**2	+ .111120964101E+02	+ .942638183292E+00	- .514397688032E-02
Tt**3	- .737109754204E+00	- .752457642311E-01	0.0
Tt**4	0.0	0.0	0.0
Tt**5	0.0	0.0	0.0

Tp**3

Tp**4

Tp**5

Tt**0	- .236048804565E+00	+ .180201234373E-01	0.0
Tt**1	+ .585143975251E-01	- .480102368779E-02	0.0
Tt**2	0.0	0.0	0.0
Tt**3	0.0	0.0	0.0
Tt**4	0.0	0.0	0.0
Tt**5	0.0	0.0	0.0

Company: **BILL BARRETT CORPORATION**

Schlumberger

Well: **BRYNILDSON 24B-20-692**

Field: **MAMM CREEK**

County: **GARFIELD**

State: **COLORADO**

CEMENT BOND LOG

CBL / VDL

GAMMA RAY / CCL