

Schlumberger

Company: BILL BARRETT CORPORATION

Well: BRYNILDSON 24C-20-692

Field: MAMM CREEK

County: GARFIELD State: COLORADO

CEMENT BOND LOG
CBL / VDL
GAMMA RAY / CCL

County: GARFIELD
Field: MAMM CREEK
Location: SHL: 845' FSL & 445' FWL
Well: BRYNILDSON 24C-20-692
Company: BILL BARRETT CORPORATION

County:		GARFIELD	
Field:		MAMM CREEK	
Location:		SHL: 845' FSL &	
Well:		BRYNILDSON 24	
Company:		BILL BARRETT C	
Logging Date	LOCATION		
	Permanent Datum:		Elev.: <u>5743.00 ft</u>
Run Number	Log Measured From:		G.L. <u>5726.00 ft</u>
	Drilling Measured From:		D.F. <u>5742.00 ft</u>
Depth Driller	API Serial No. 05-045-17144	Section 20	Elev.: <u>5726.00 ft</u>
Schlumberger Depth			17.00 ft above Perm. Datum
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	Time		
Unit Number	Location		
Recorded By			
Witnessed By			

PVT DATA				Run 1	Run 2	Run 3
Oil Density						
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						
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		Time				
Unit Number	Location					
Recorded By						
Witnessed By						

DEPTH SUMMARY LISTING

Date Created: 30-MAR-2009 18:20:12

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: 30-JAN-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

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OTHER SERVICES1

OS1: NONE
 OS2:
 OS3:
 OS4:
 OS5:

OTHER SERVICES2

OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1

REMARKS: RUN NUMBER 2

THIS LOG CORRELATED TO COMPENSATED PHOTO DENSITY

RAN ON 30-JAN-09 BY WEATHERFORD.

TOOL STRING RAN AS PER TOOL SKETCH.

TOOL RAN AT 3600 FT/HR.

EXPECTED TT = 251 uS.

EXPECTED FPA = 81 mV.

AUX	THE	146
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AH-JB
AH-JB 411

7.7

HV
Tension SCMT
TOOL ZERO 0.0

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 24C-20-692

Input DLIS Files

DEFAULT	SCMT_PSP_052LUP	FN:51	PRODUCER	30-Mar-2009 19:42	963.5 FT	670.0 FT
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Output DLIS Files

DEFAULT	SCMT_PSP_053PUP	FN:52	PRODUCER	30-Mar-2009 19:47	973.5 FT	644.0 FT
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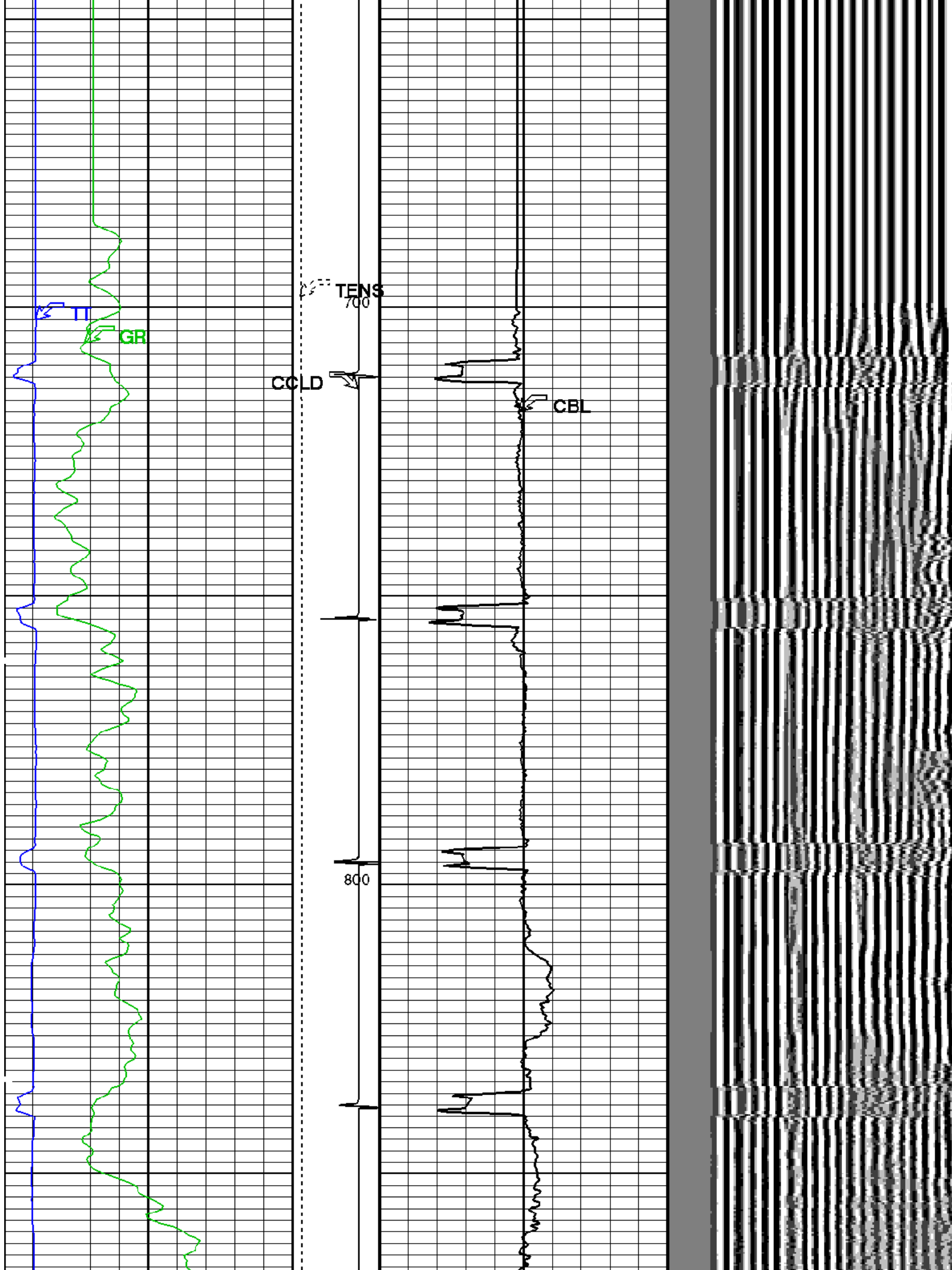
OP System Version: 17C0-154

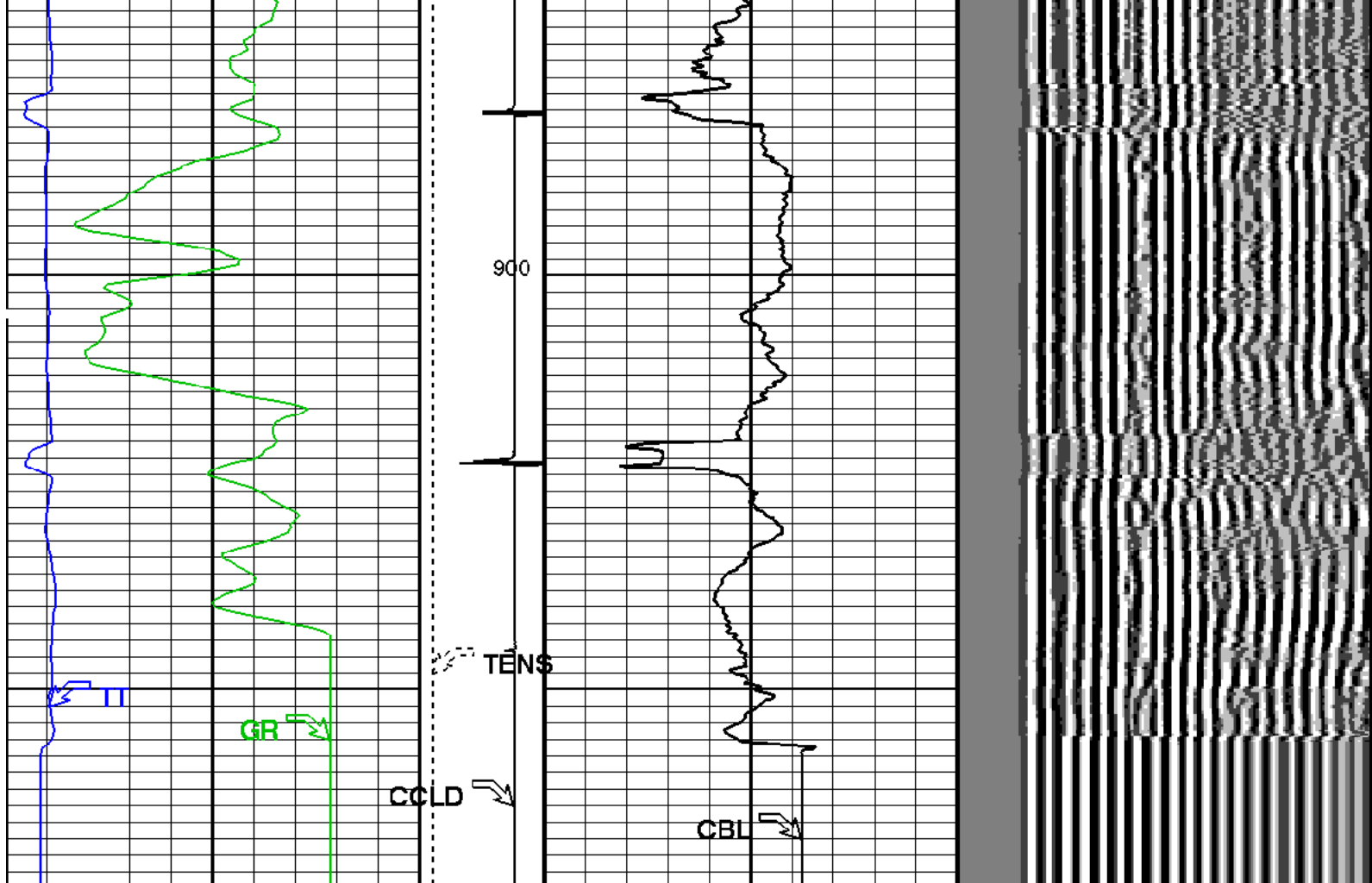
SCMT-CB	SRPC-3779-Q1_2009_OP17_b	PSPT-A/B	17C0-154
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PIP SUMMARY

☒ Time Mark Every 60 S

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





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

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
SCMT-CB: Sllm 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	20 MV

MAP1	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)	213	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
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	7576	FT
TDD	Total Depth - Driller	7650.00	FT
TDL	Total Depth - Logger	7576.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: CBL_VDL Vertical Scale: 5" per 100' Graphics File Created: 30-Mar-2009 19:47

OP System Version: 17C0-154

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

Input DLIS Files

DEFAULT SCMT_PSP_052LUP FN:51 PRODUCER 30-Mar-2009 19:42 963.5 FT 670.0 FT

Output DLIS Files

DEFAULT SCMT_PSP_053PUP FN:52 PRODUCER 30-Mar-2009 19:47

Schlumberger

MAIN PASS 0 PSI

MAXIS Field Log

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

Input DLIS Files

DEFAULT SCMT_PSP_047LUP FN:46 PRODUCER 30-Mar-2009 18:42 7581.0 FT 4073.5 FT

Output DLIS Files

DEFAULT SCMT_PSP_050PUP FN:49 PRODUCER 30-Mar-2009 19:36 7587.0 FT 4043.5 FT

OP System Version: 17C0-154

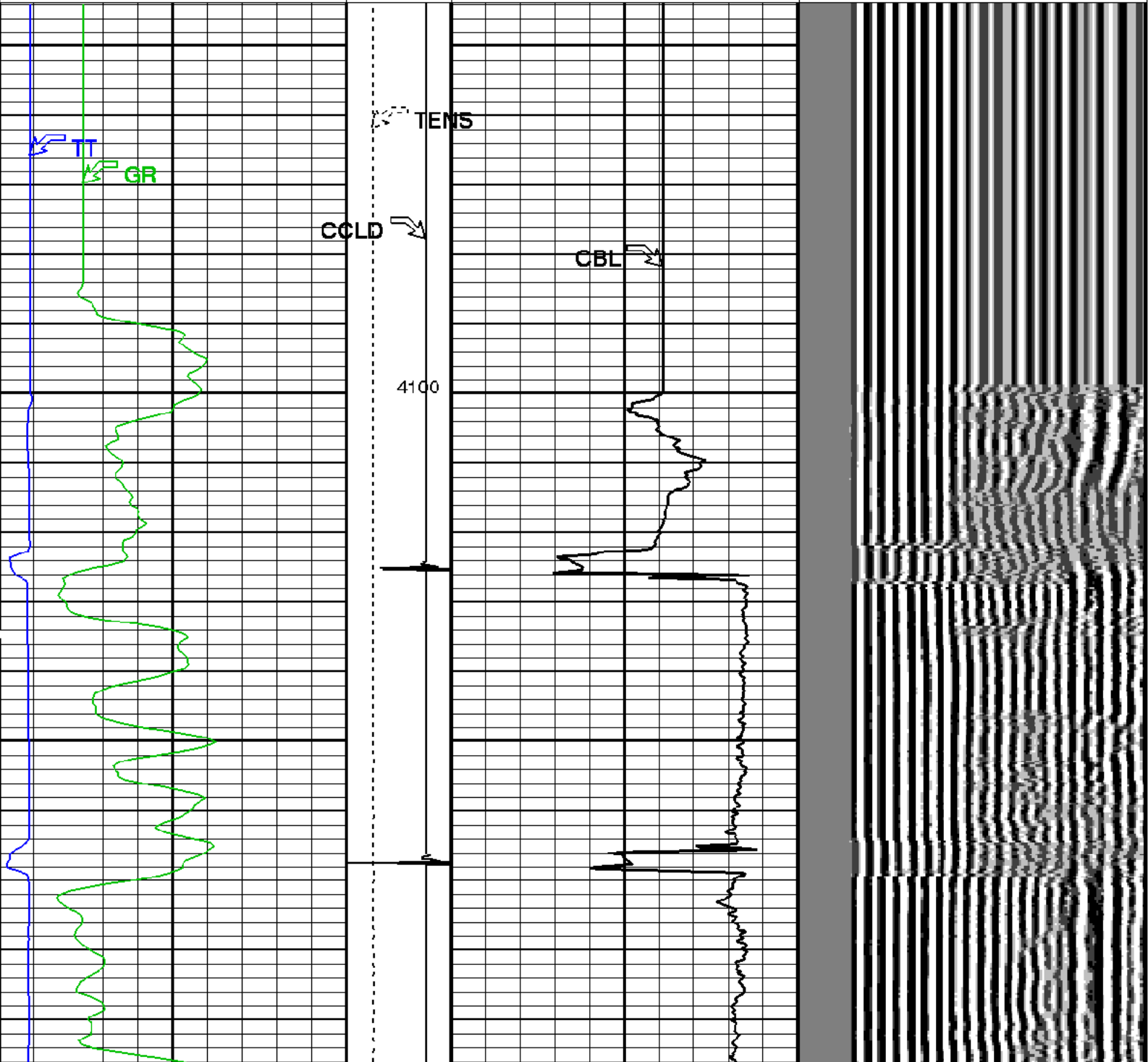
SCMT-CB SRPC-3779-Q1_2009_OP17_b PSPT-A/B 17C0-154

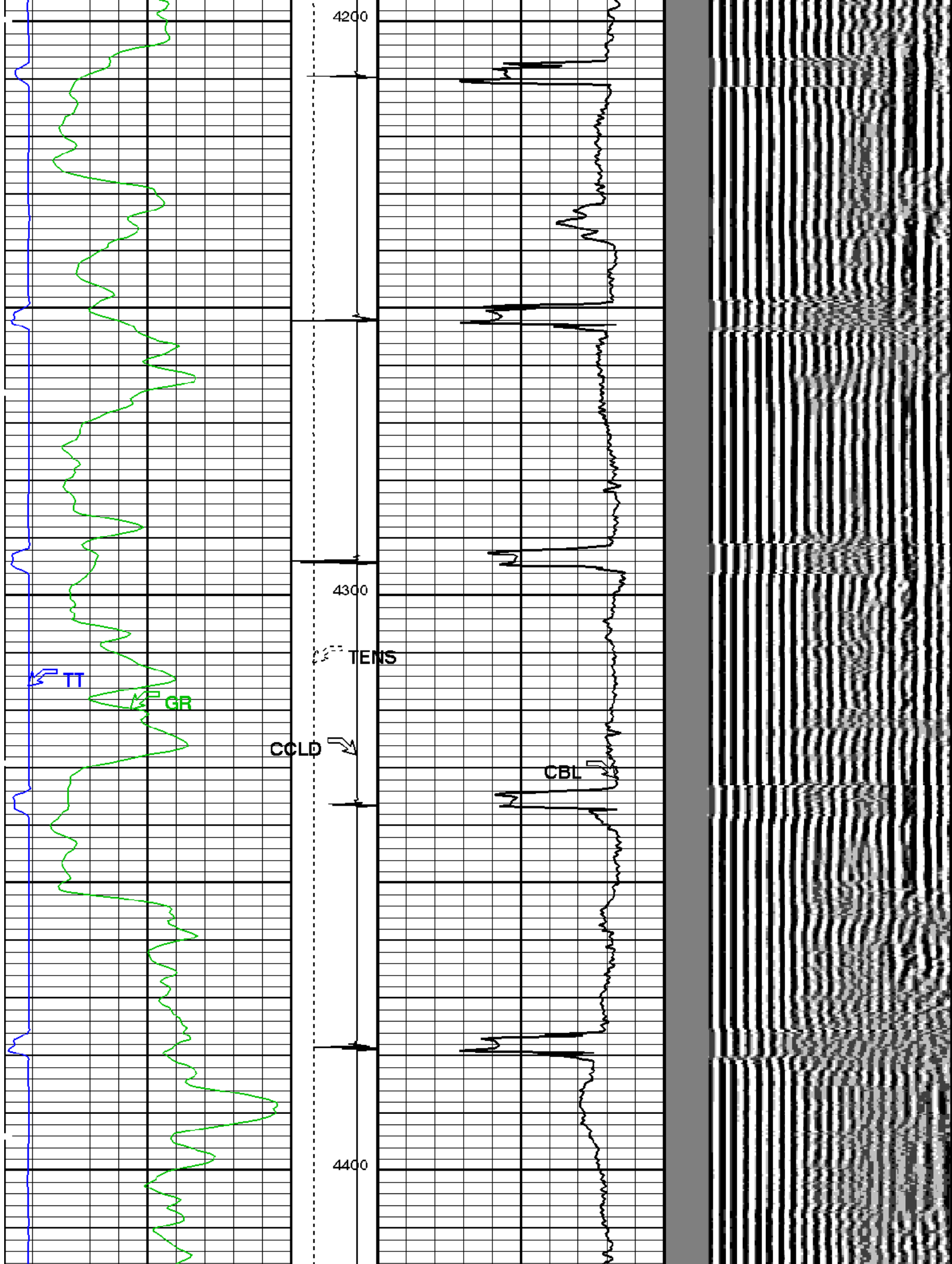
PIP SUMMARY

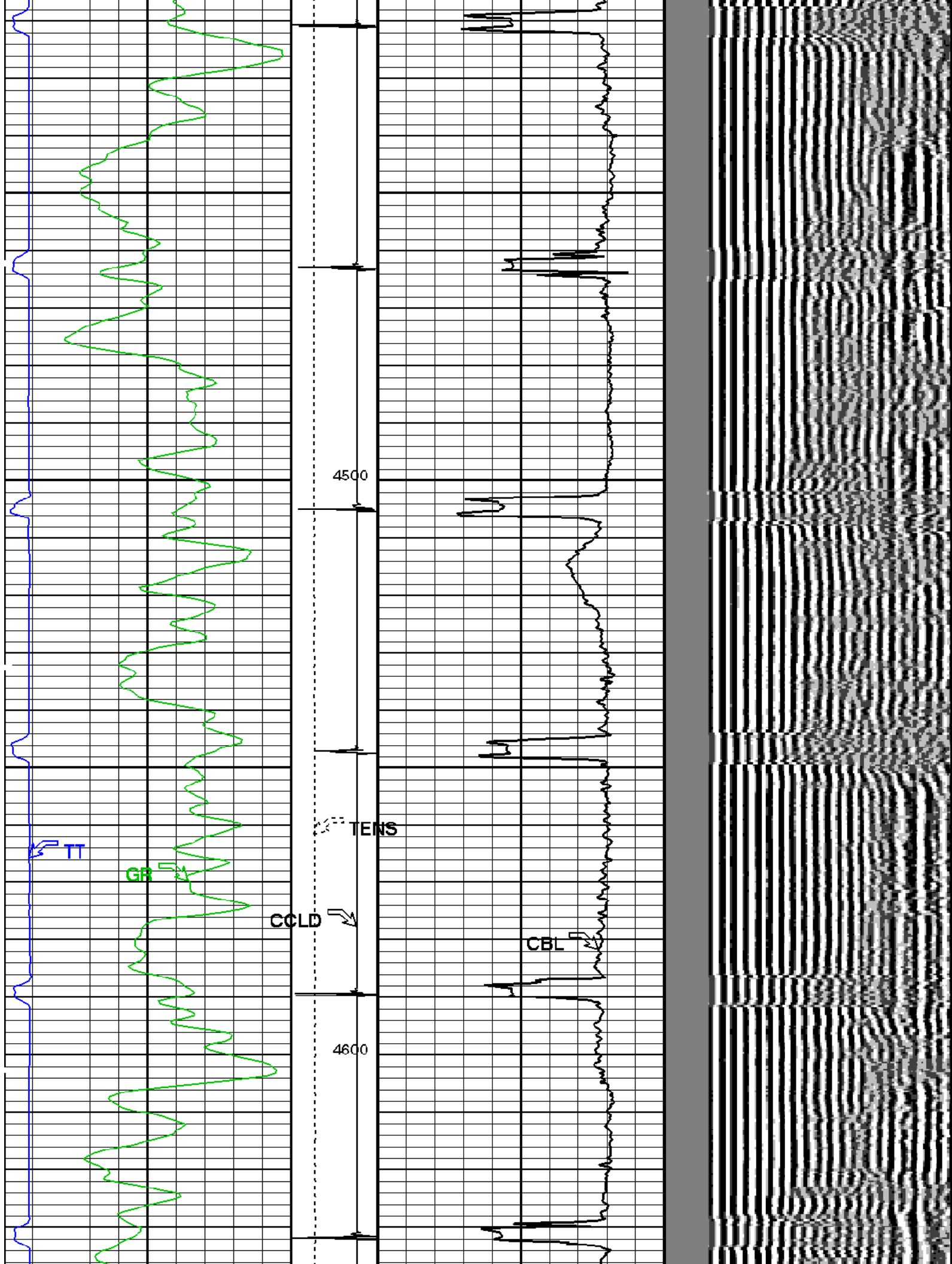
Time Mark Every 60 S

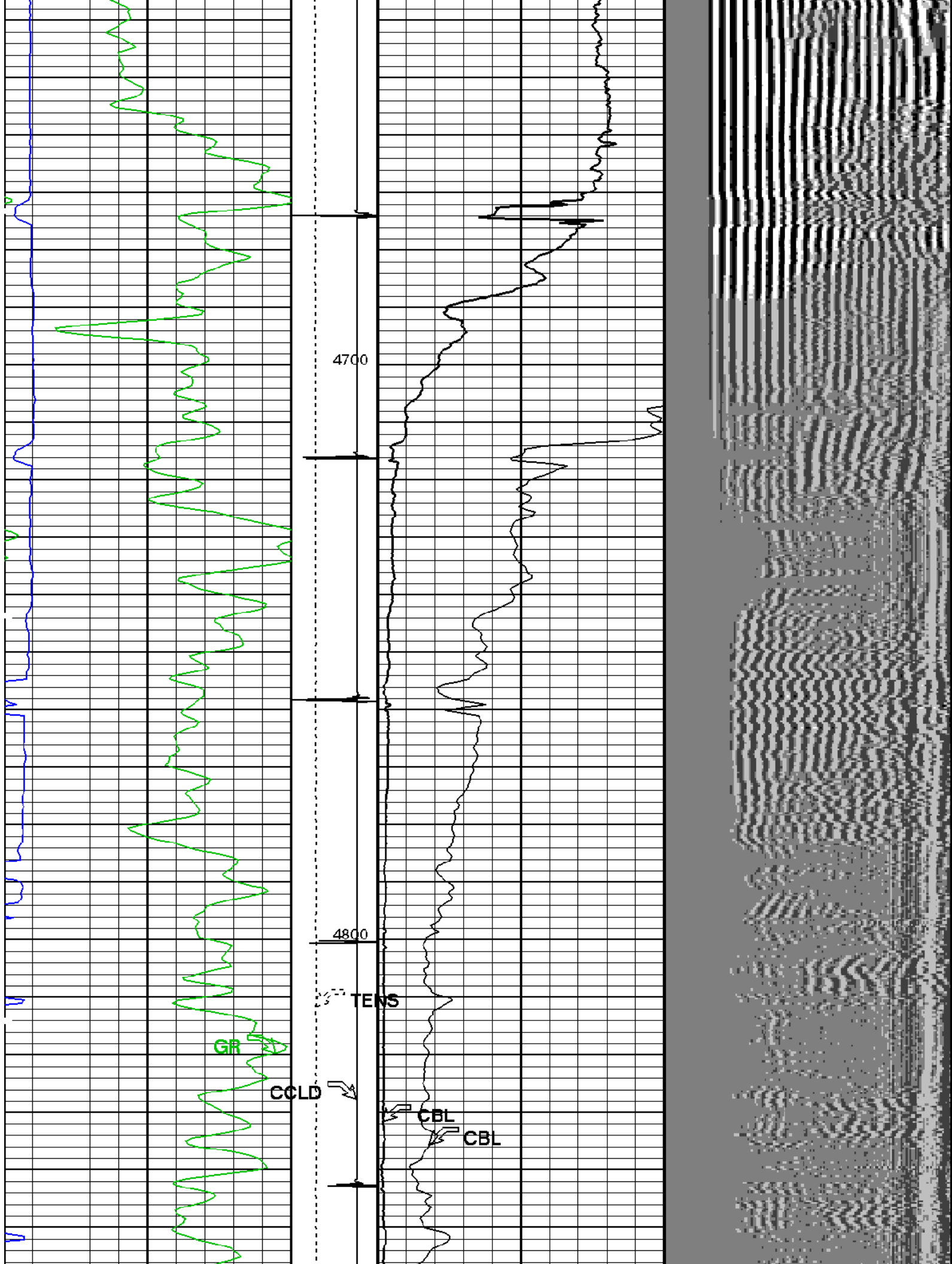
Transit Time (TT) (US)		Discriminat ed CCL (CCLD)	CBL Amplitude (CBL) (MV)	
260	160	3 (V) -1	0	100
Gamma Ray (GR) (GAPI)		Tension (TENS) (LBF)	CBL Amplitude (CBL) (MV)	
0	150	0 2500	0	10

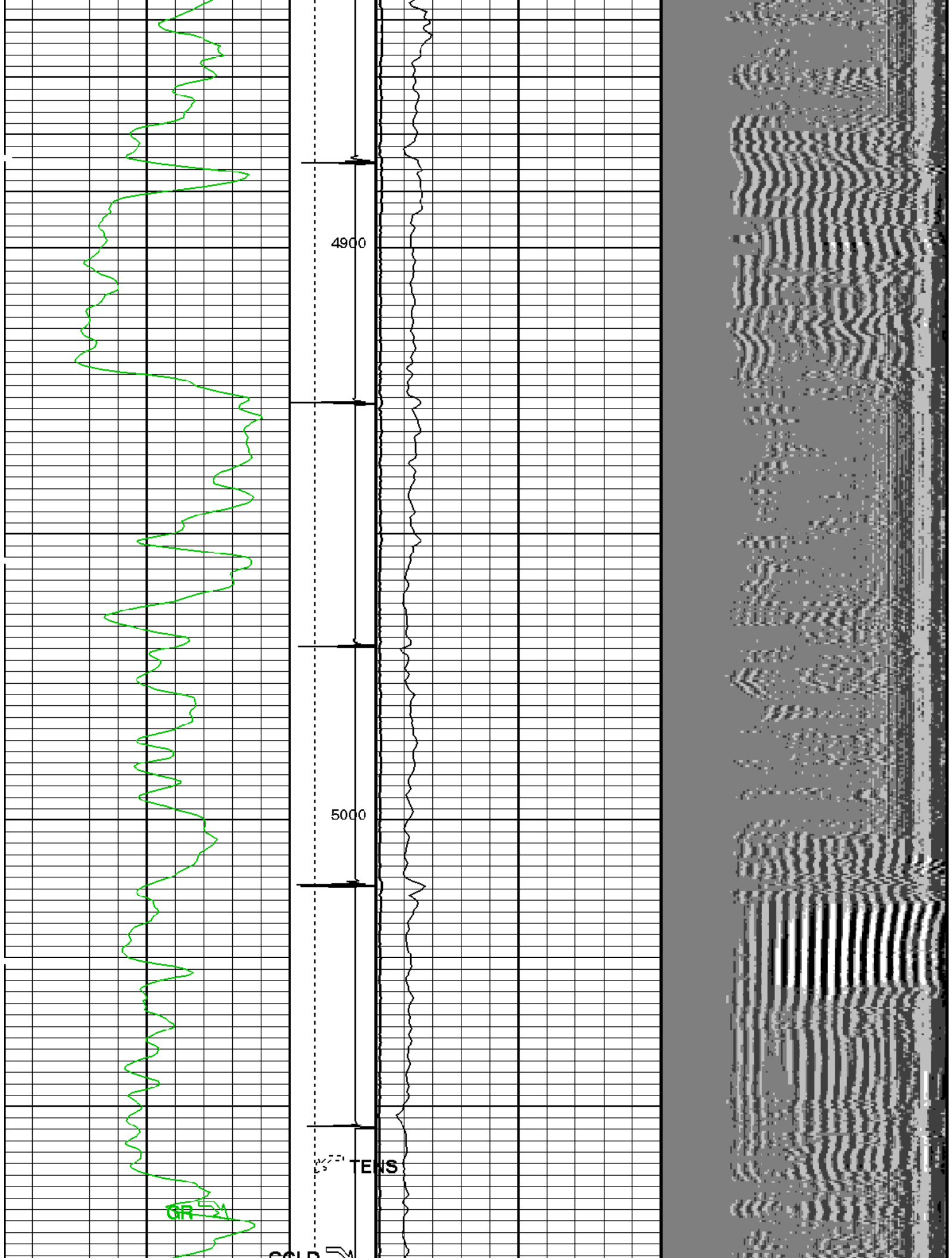
Min Amplitude Max
VDL VariableDensity (VDL)
(US) 200 1200

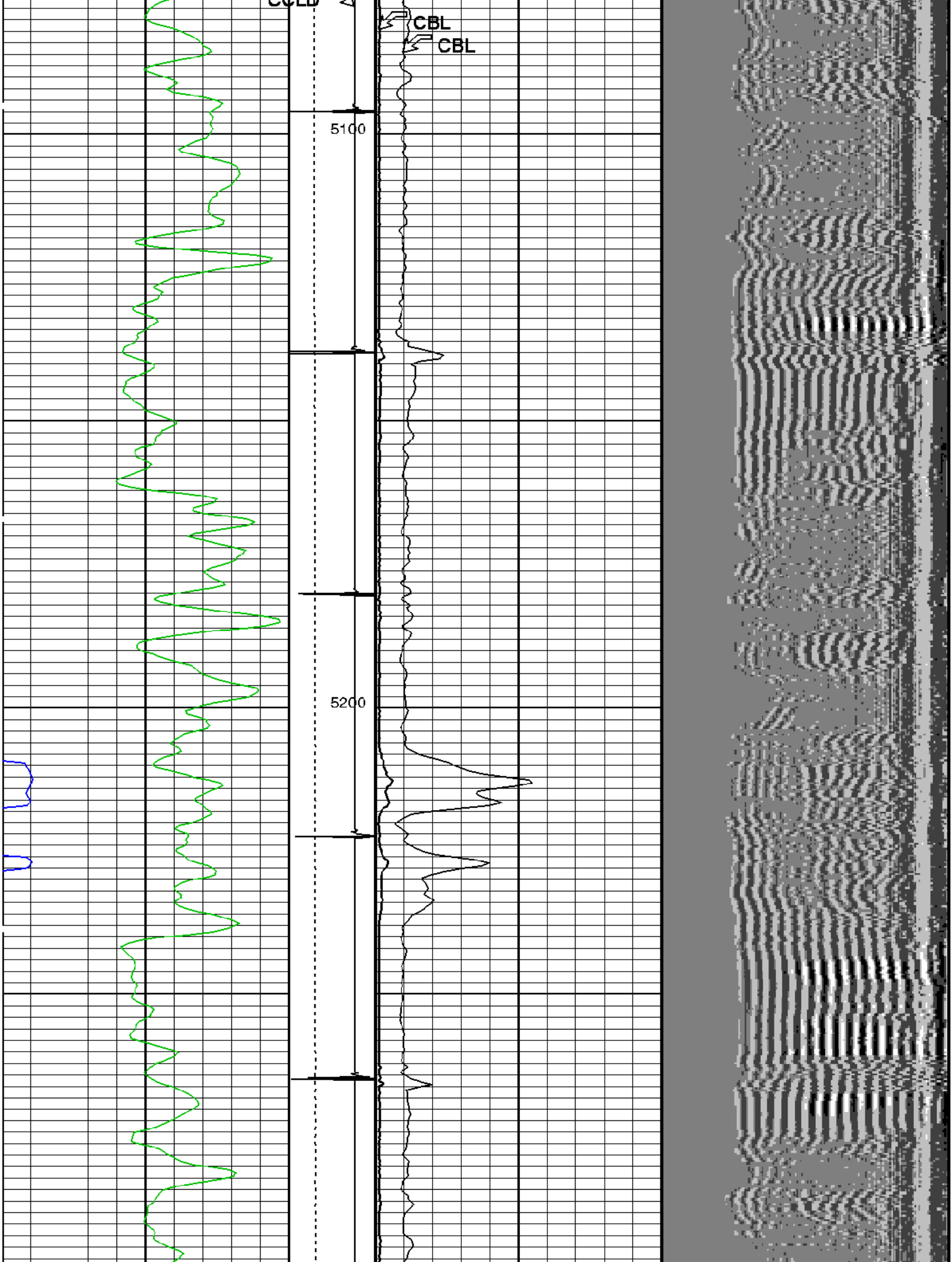


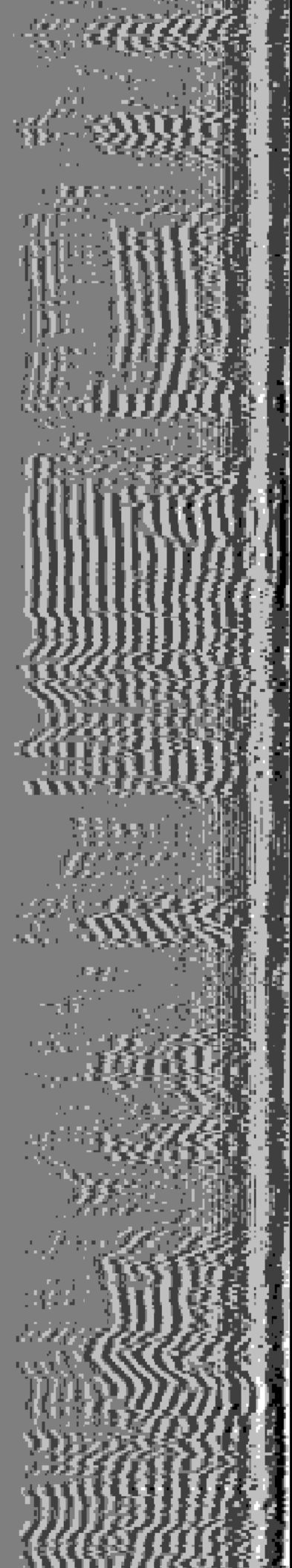
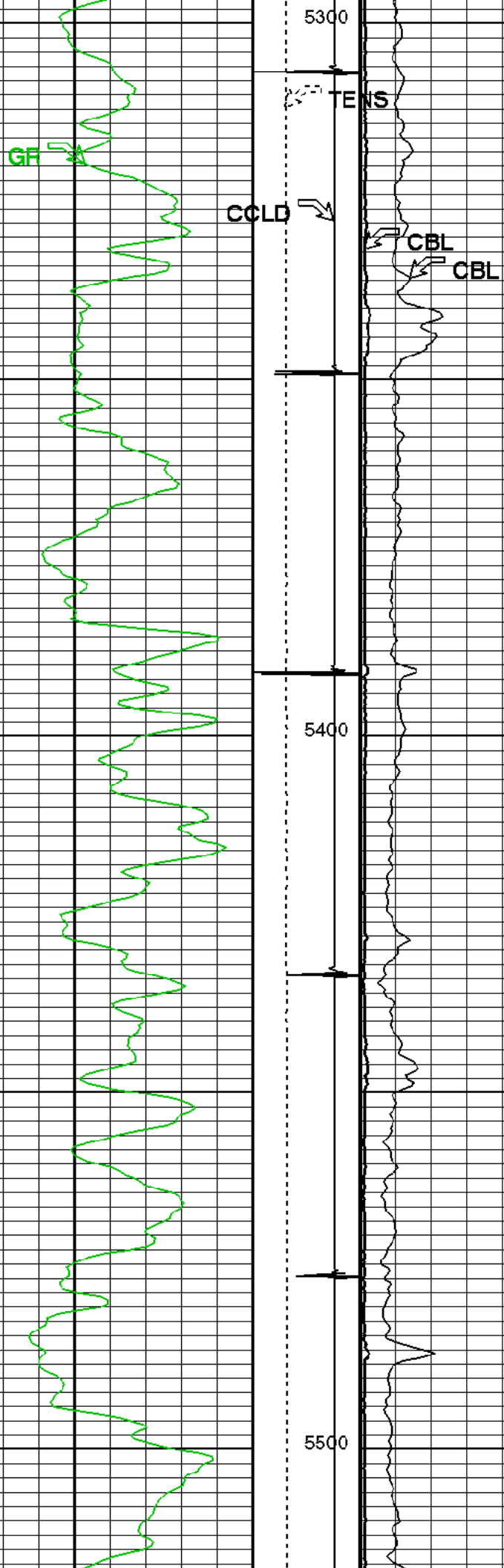


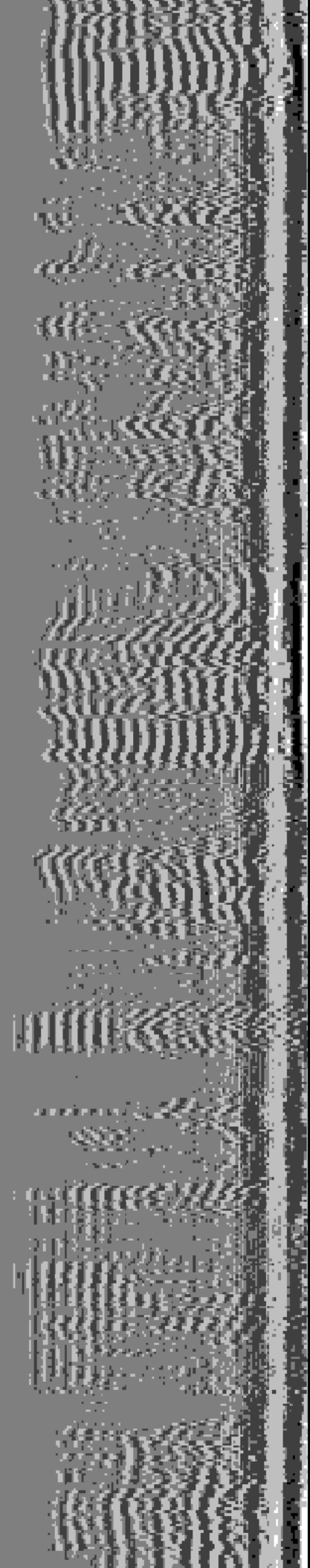
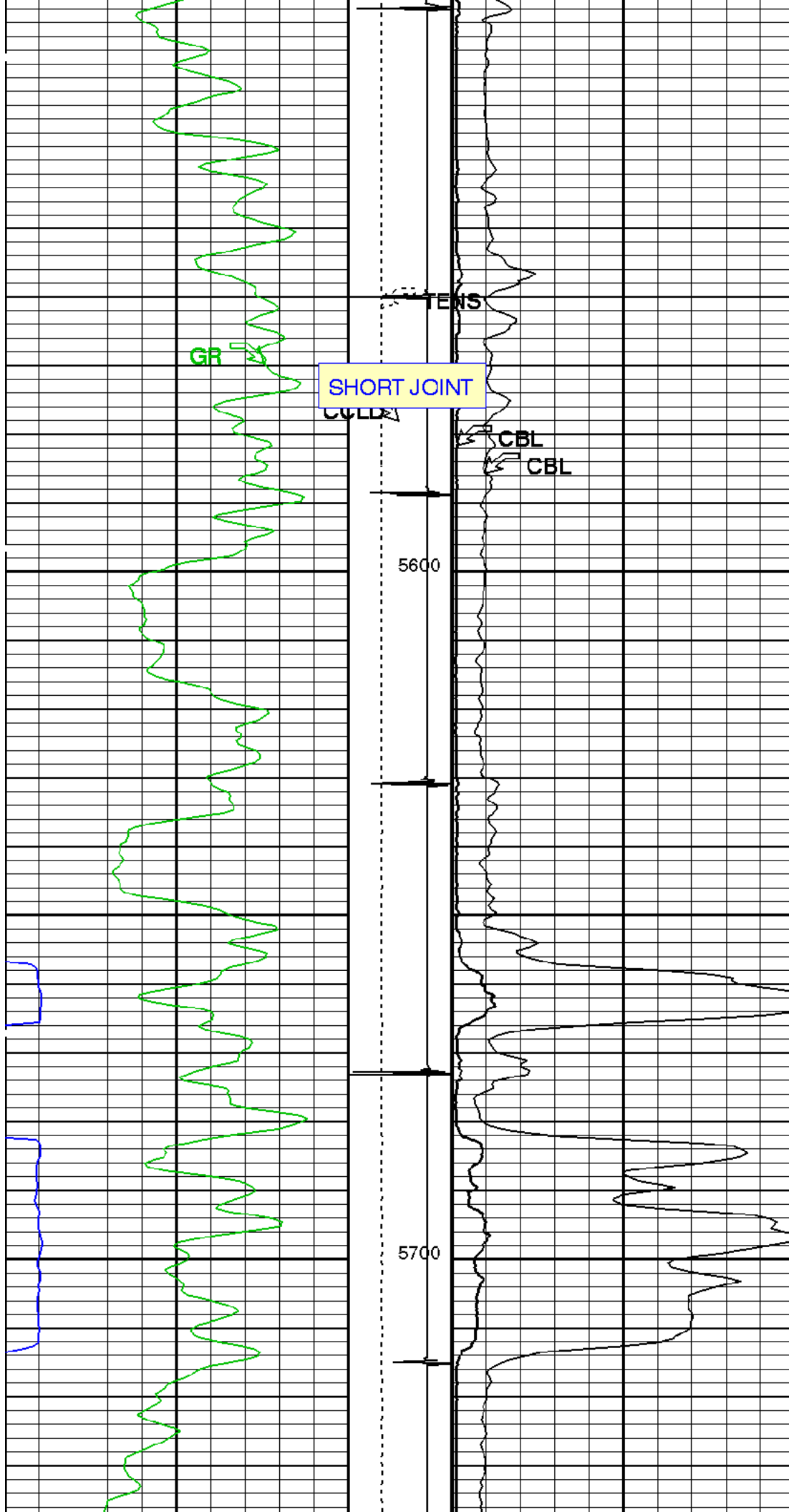


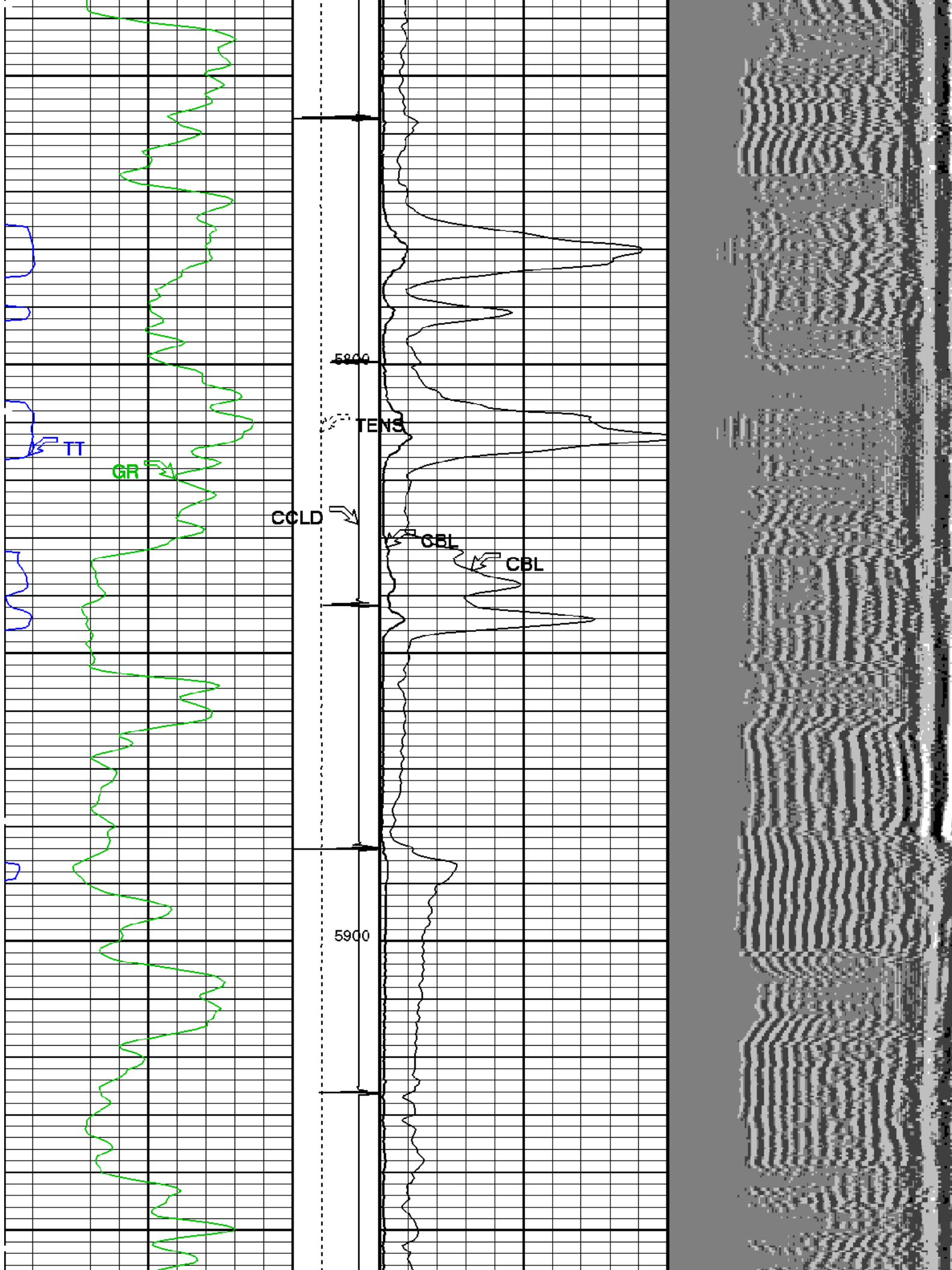


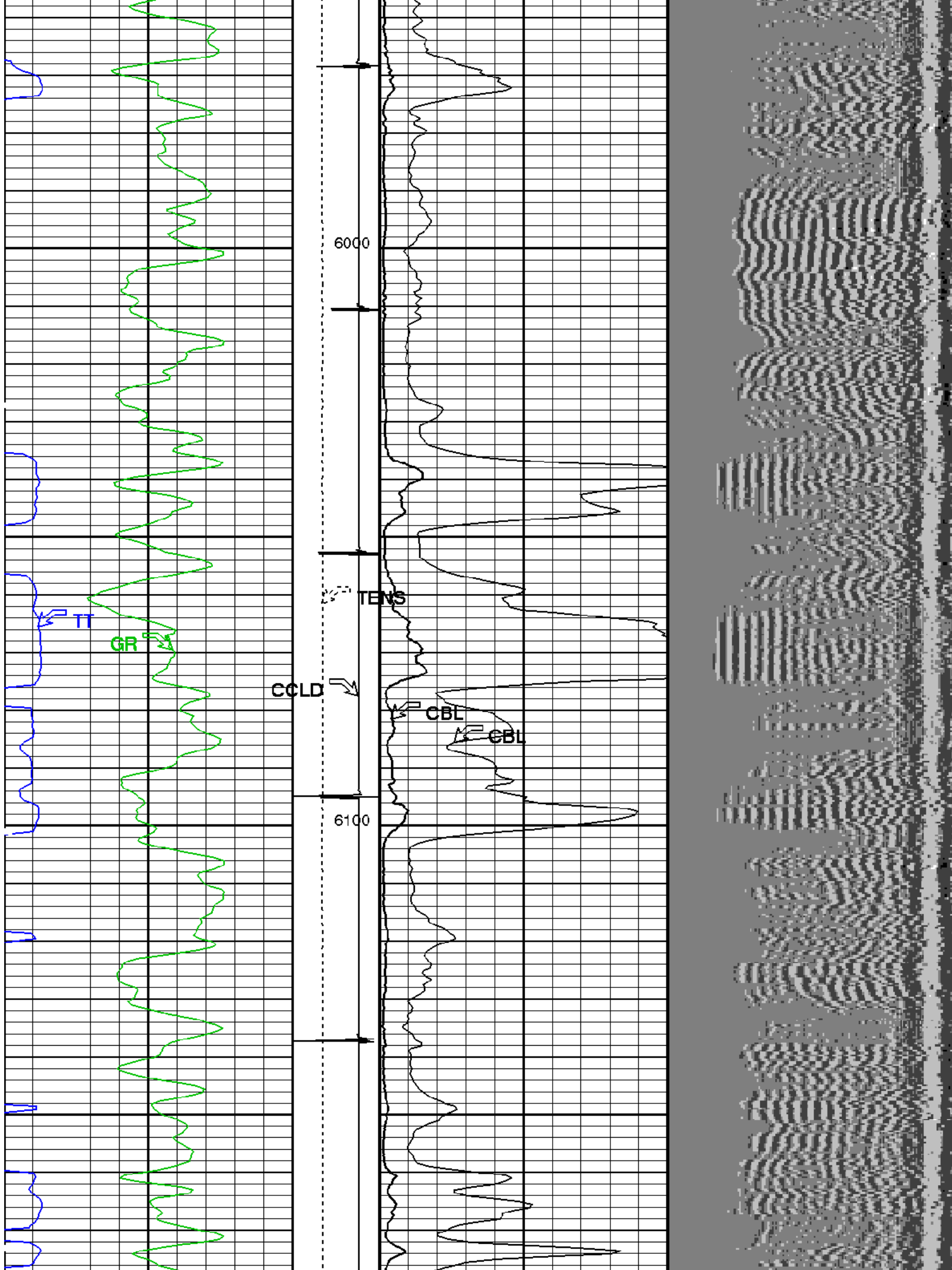


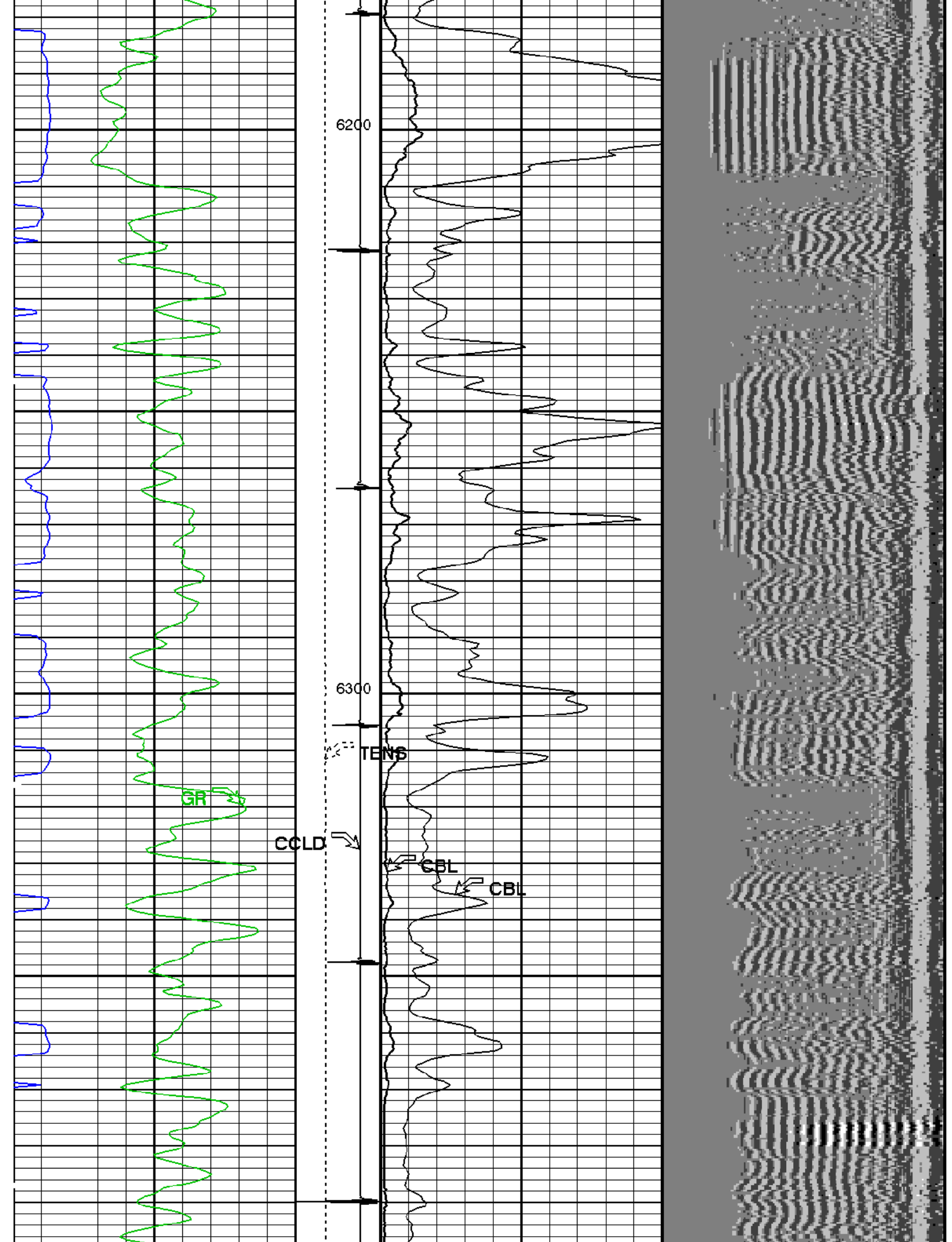


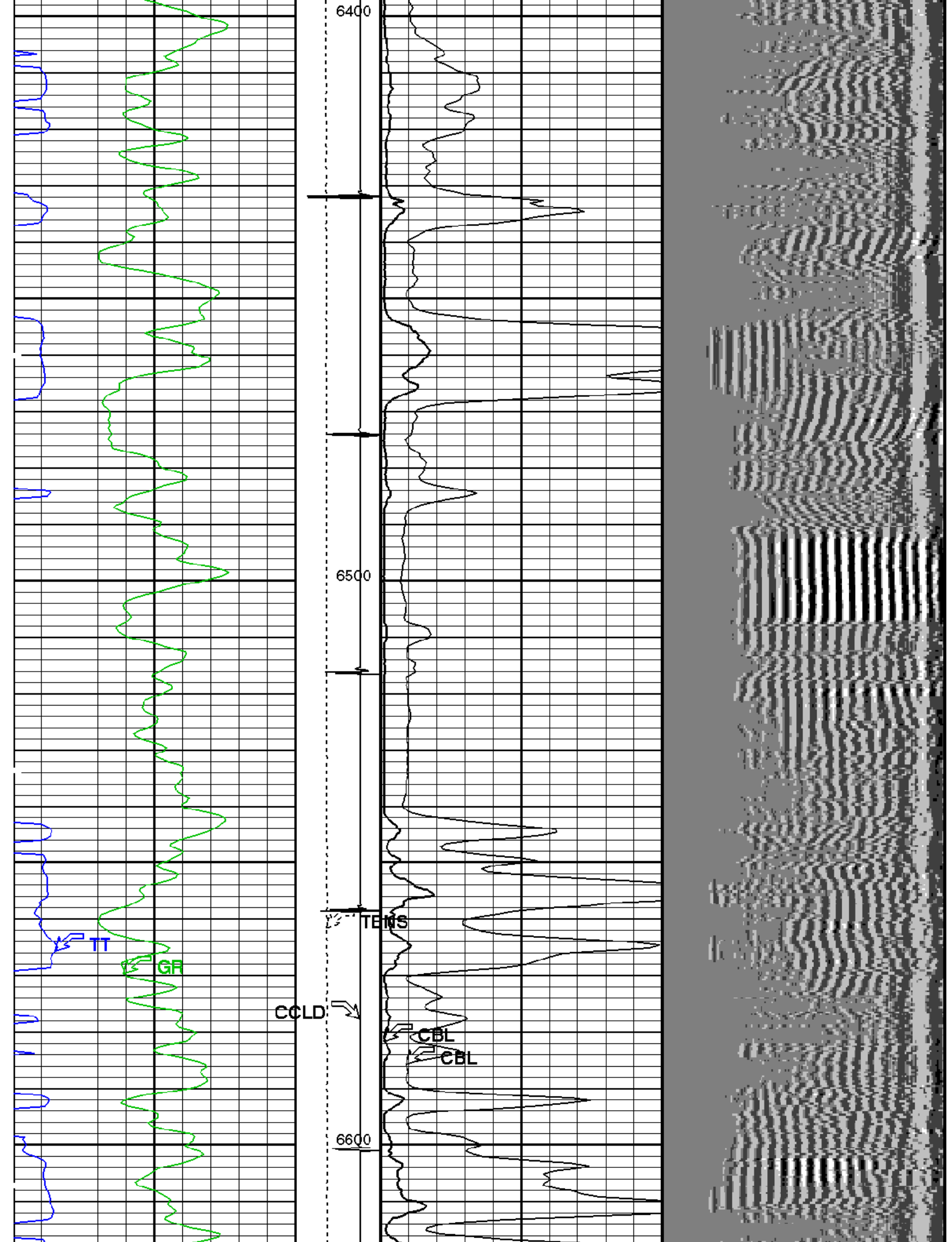


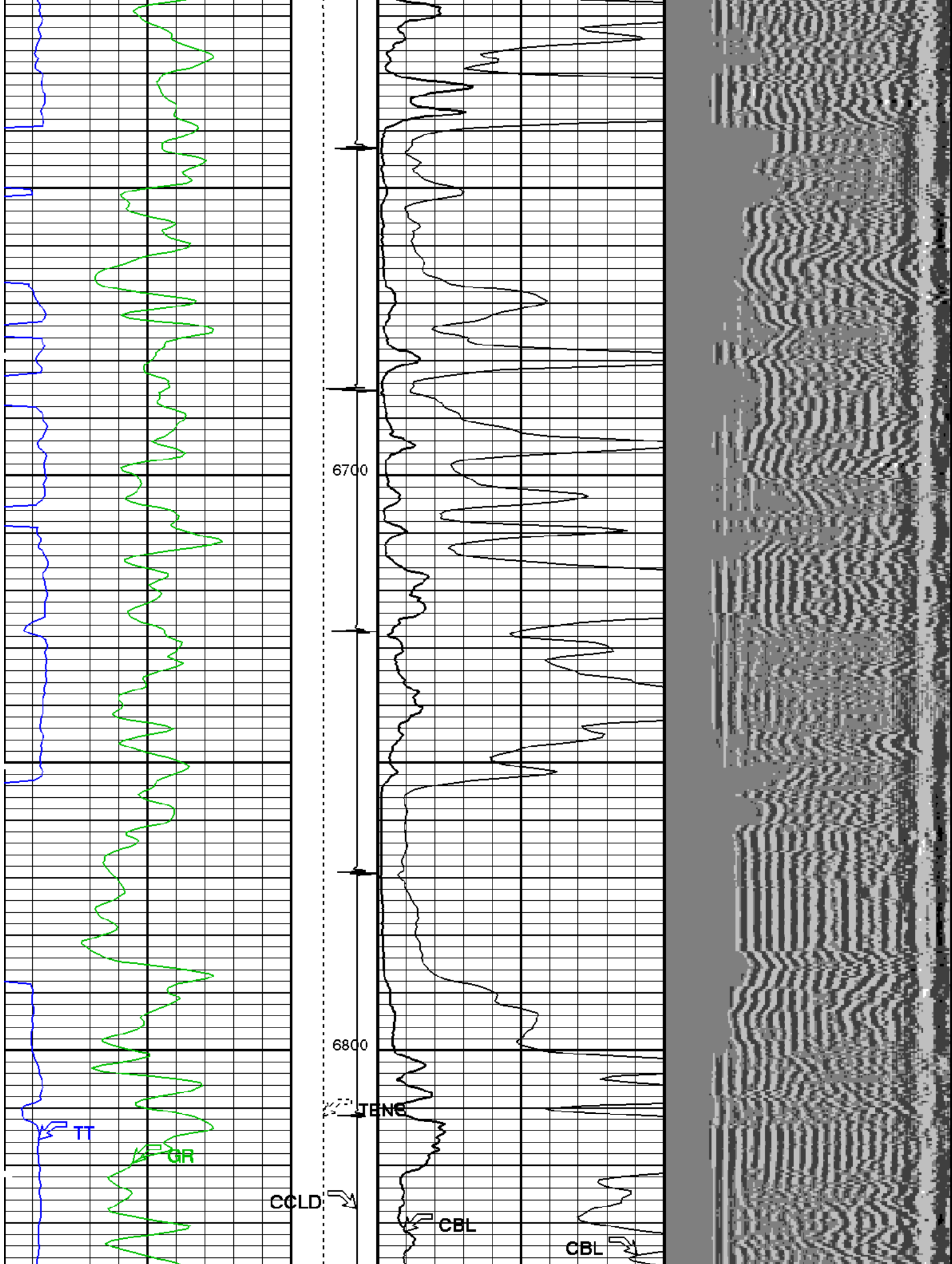


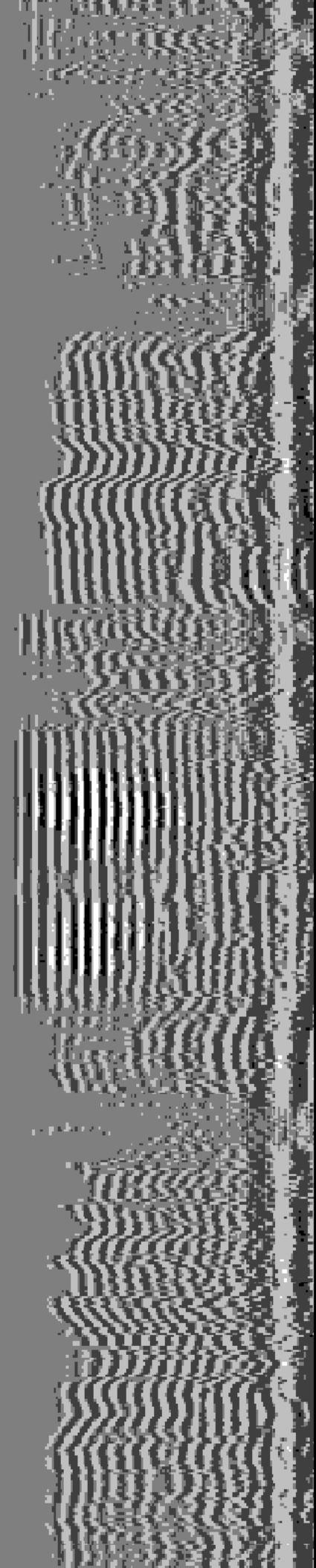
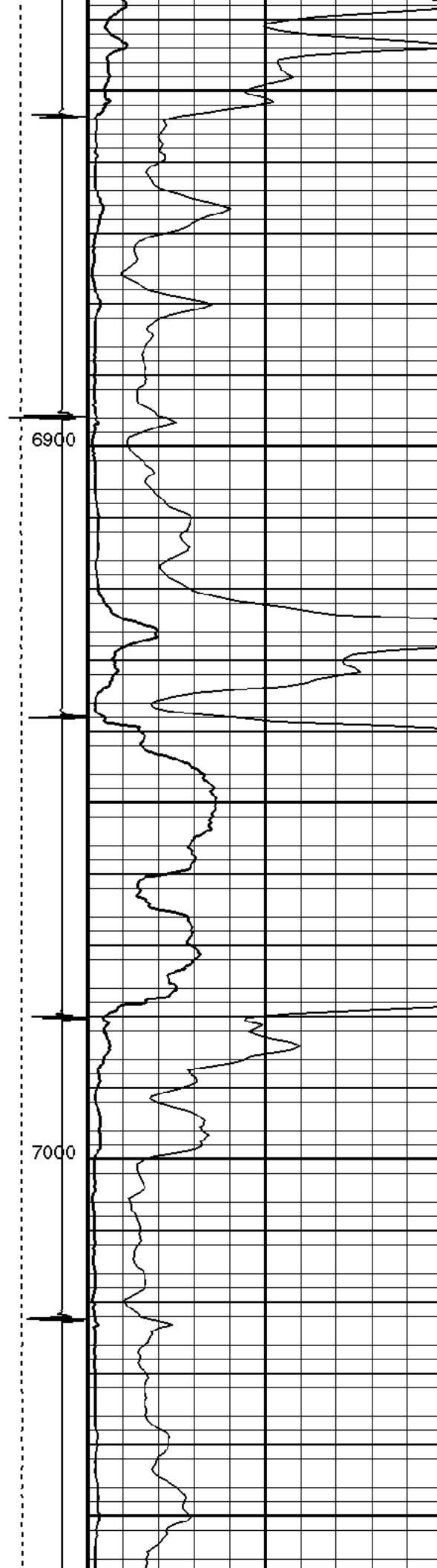
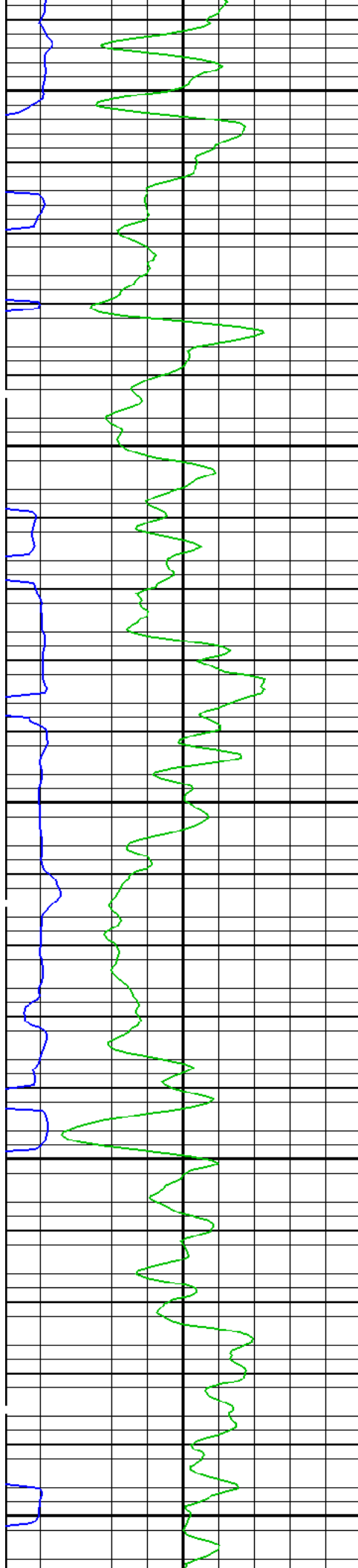


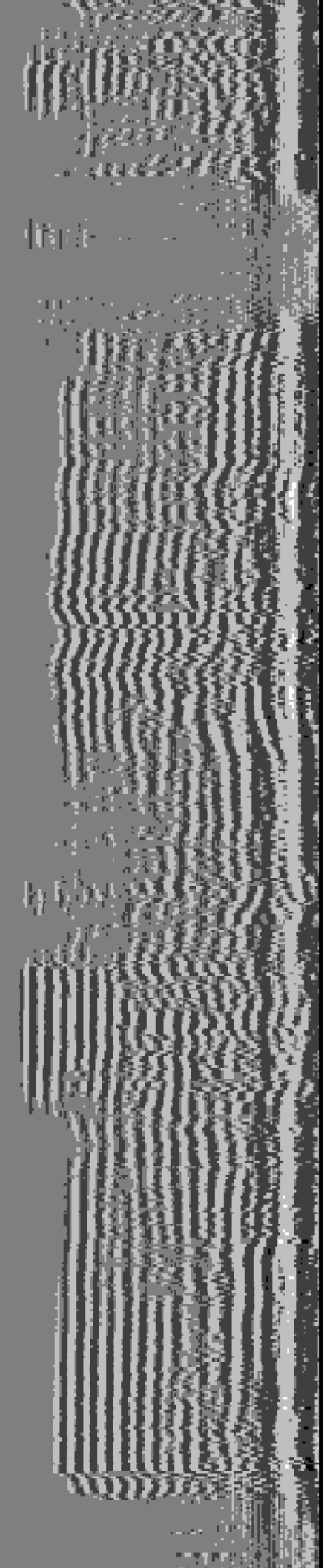
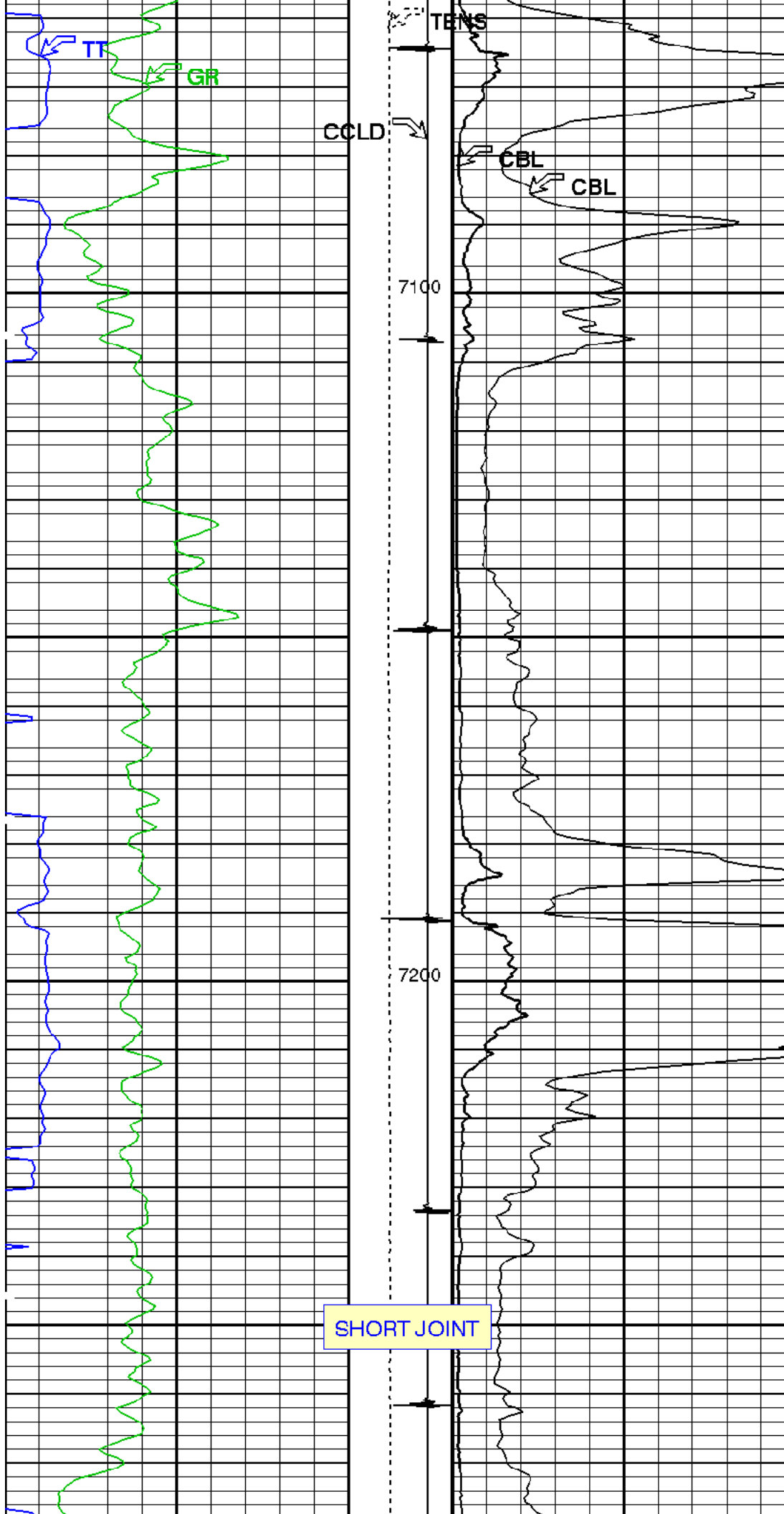


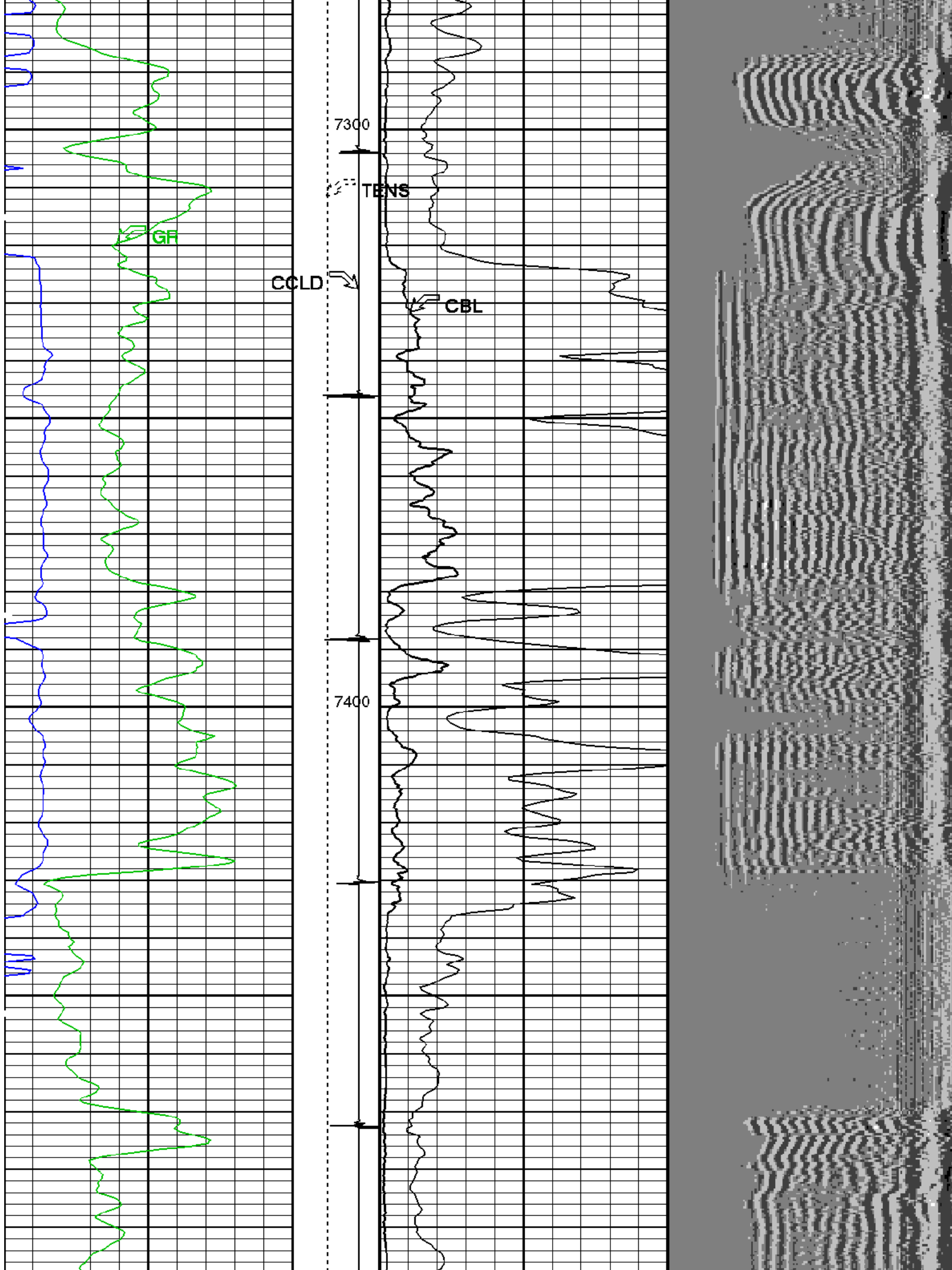


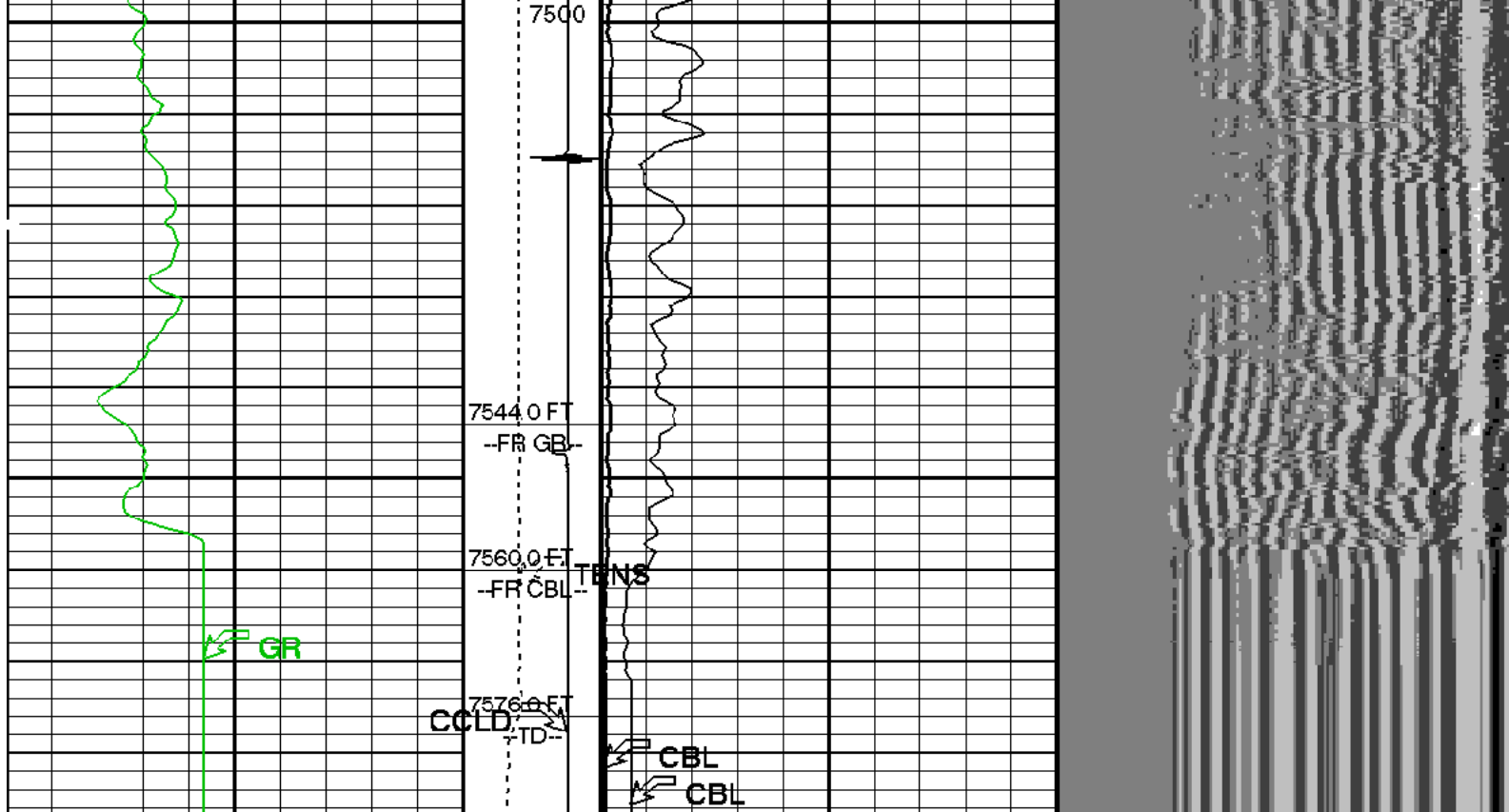












Gamma Ray (GR) (GAPI)		Tension (TENS) (LBF)	CBL Amplitude (CBL) (MV)	Min	Amplitude	Max
0	150	0 2500	0 10	200	VDL Variable Density (VDL) (US)	1200
Transit Time (TT) (US)		Discriminat ed CCL (CCLD) (V)	CBL Amplitude (CBL) (MV)			
260	160	3 -1	0 100			

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
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)	213	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
DO	Depth Offset for Playback	6.0	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	7576	FT
TDD	Total Depth - Driller	7650.00	FT
TDL	Total Depth - Logger	7576.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: CBL_VDL Vertical Scale: 5" per 100' Graphics File Created: 30-Mar-2009 19:36

OP System Version: 17C0-154

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

Input DLIS Files

DEFAULT SCMT_PSP_047LUP FN:46 PRODUCER 30-Mar-2009 18:42 7581.0 FT 4073.5 FT

Output DLIS Files

DEFAULT SCMT_PSP_050PUP FN:49 PRODUCER 30-Mar-2009 19:36

Schlumberger

REPEAT PASS 0 PSI

MAXIS Field Log

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

Input DLIS Files

DEFAULT SCMT_PSP_045LUP FN:44 PRODUCER 30-Mar-2009 18:33 7587.0 FT 7221.0 FT

Output DLIS Files

DEFAULT SCMT_PSP_049PUP FN:48 PRODUCER 30-Mar-2009 19:34 7589.0 FT 7187.0 FT

OP System Version: 17C0-154

SCMT-CB

SRPC-3779-Q1_2009_OP17_b

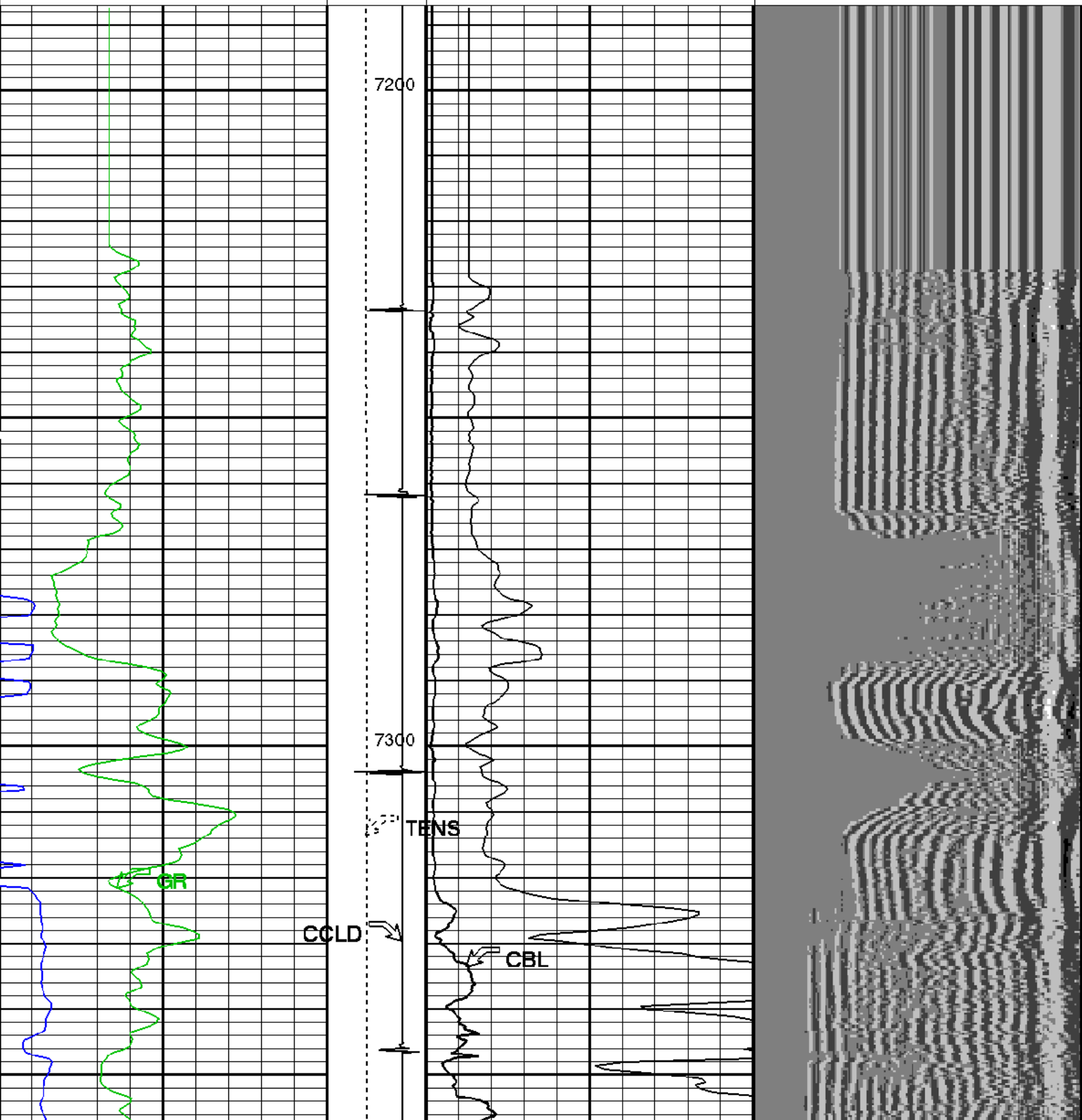
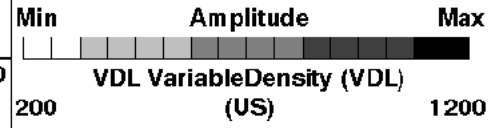
PSPT-A/B

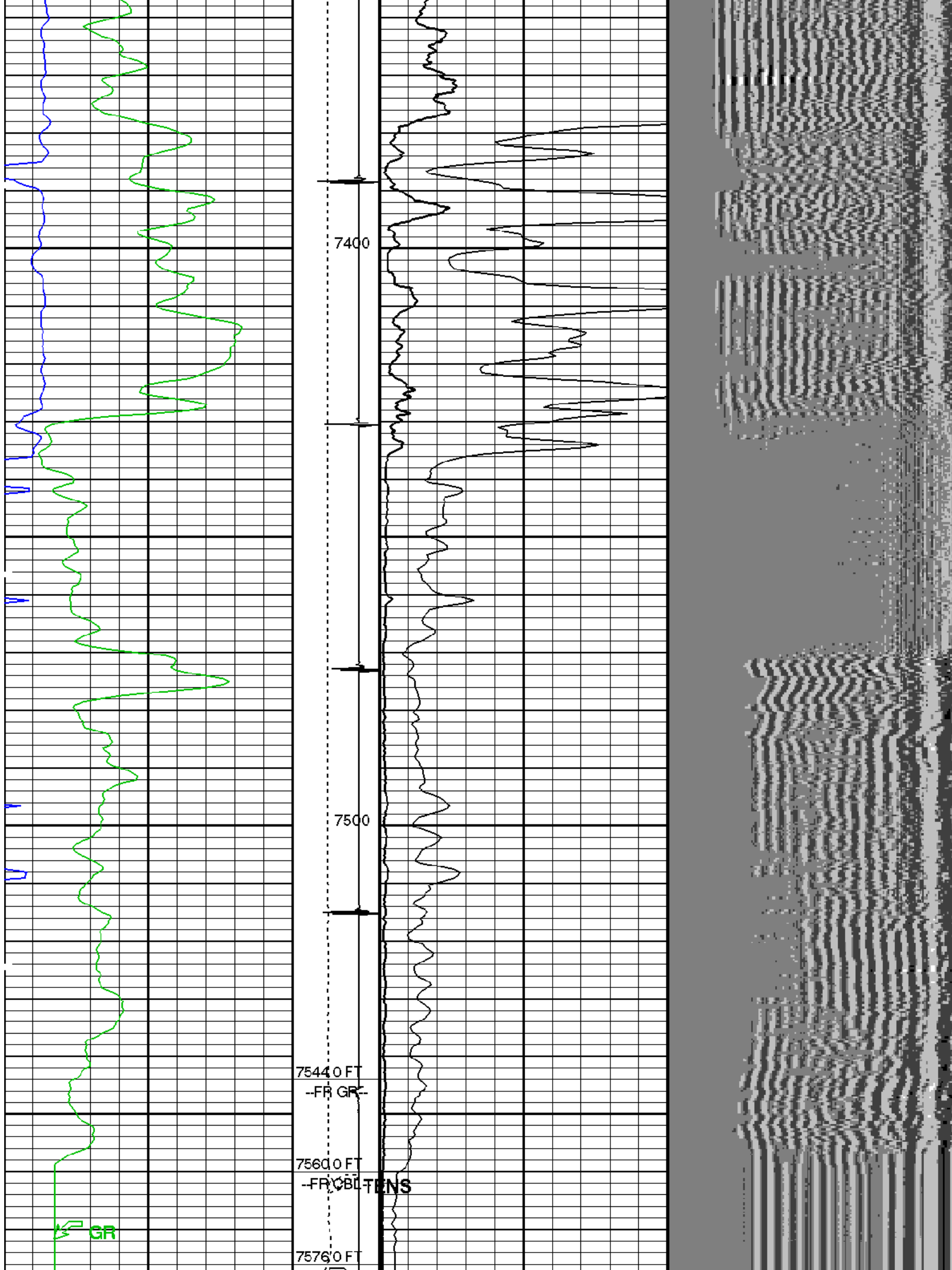
17C0-154

PIP SUMMARY

Time Mark Every 60 S

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





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

RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	7576	FT
TDD	Total Depth - Driller	7650.00	FT
TDL	Total Depth - Logger	7576.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: CBL_VDL

Vertical Scale: 5" per 100'

Graphics File Created: 30-Mar-2009 19:34

OP System Version: 17C0-154

SCMT-CB

SRPC-3779-Q1_2009_OP17_b

PSPT-A/B

17C0-154

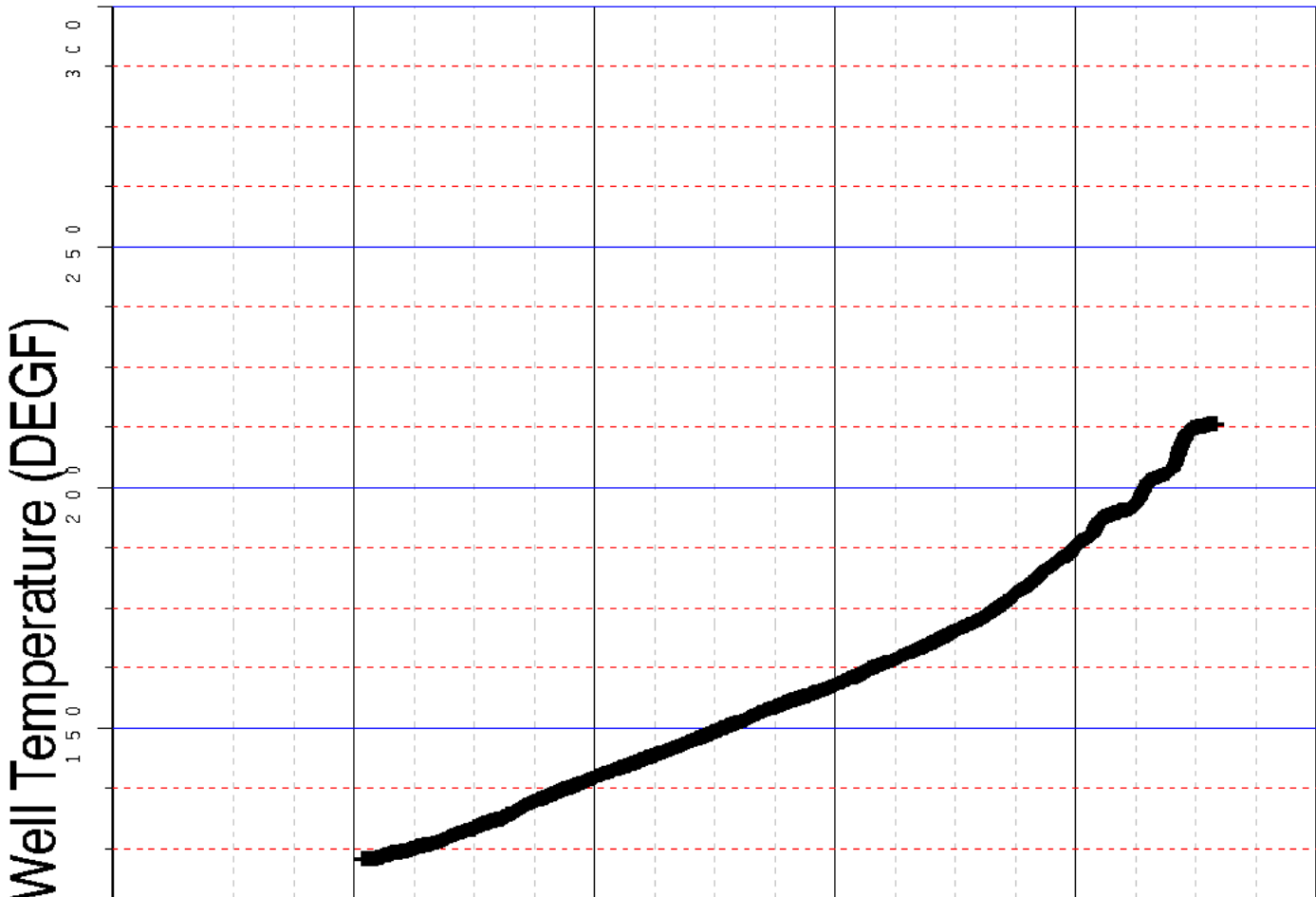
Input DLIS Files						
DEFAULT	SCMT_PSP_045LUP	FN:44	PRODUCER	30-Mar-2009 18:33	7587.0 FT	7221.0 FT
Output DLIS Files						
DEFAULT	SCMT_PSP_049PUP	FN:48	PRODUCER	30-Mar-2009 19:34		

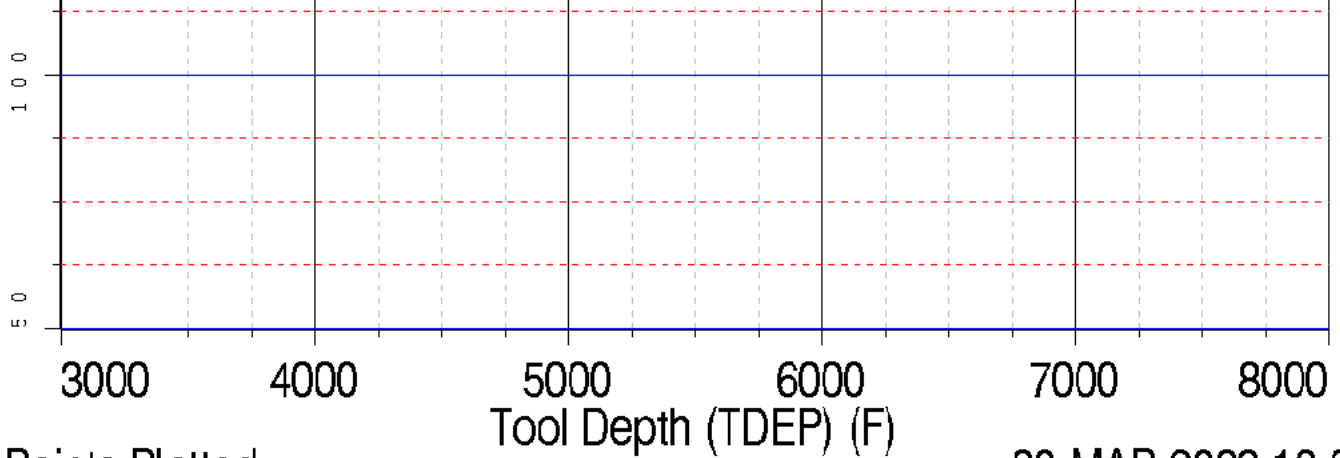
Schlumberger

TEMPERATURE PLOT

MAXIS Field Log

Index: 7587.0 - 4043.5 FT





7088 Points Plotted

30-MAR-2009 19:37

Schlumberger

TEMPERATURE LOG

MAXIS Field Log

Company: BILL BARRETT CORPORATION

Well: BRYNILDSON 24C-20-692

Input DLIS Files

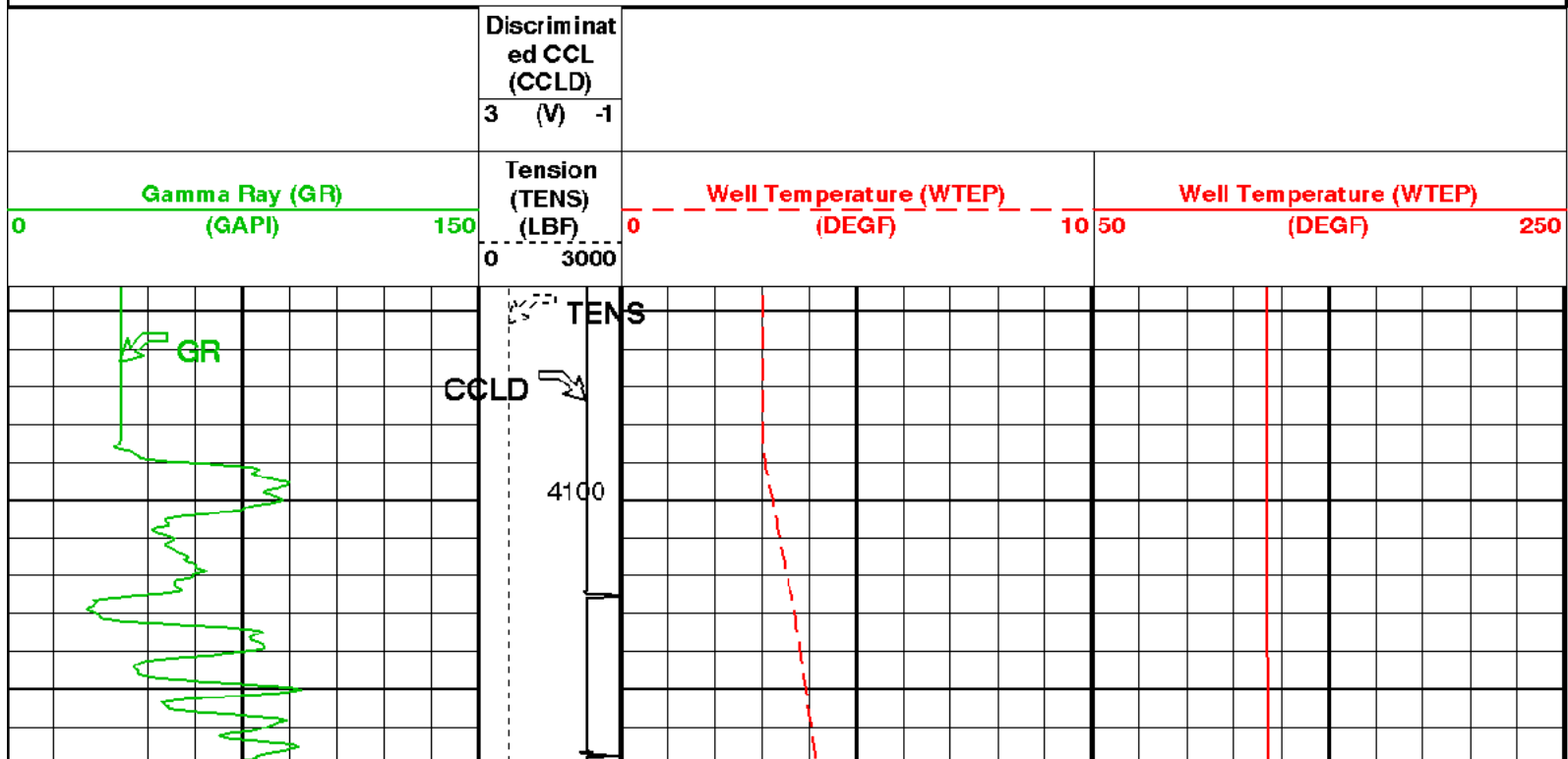
DEFAULT	SCMT_PSP_047LUP	FN:46	PRODUCER	30-Mar-2009 18:42	7581.0 FT	4073.5 FT
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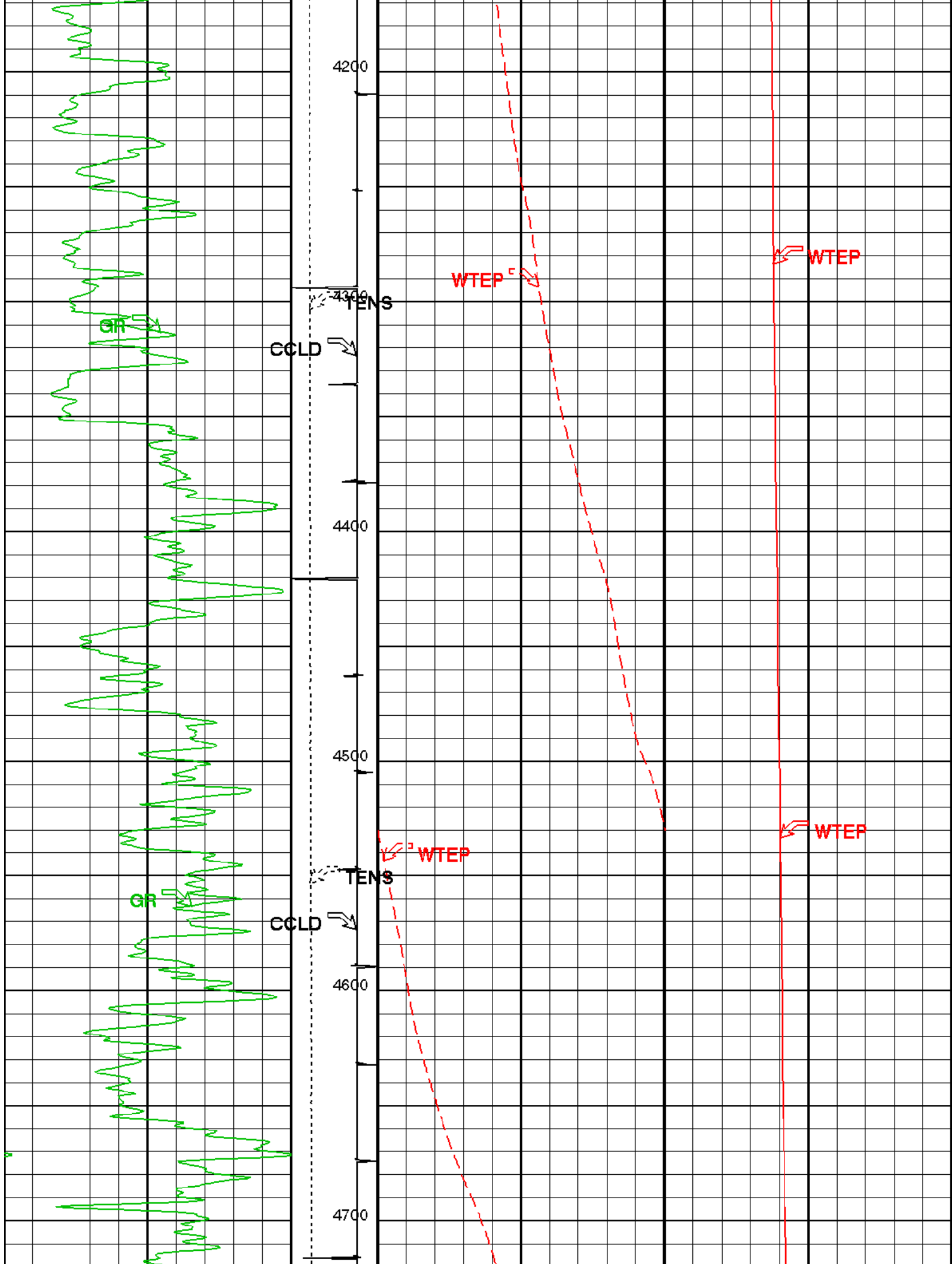
Output DLIS Files

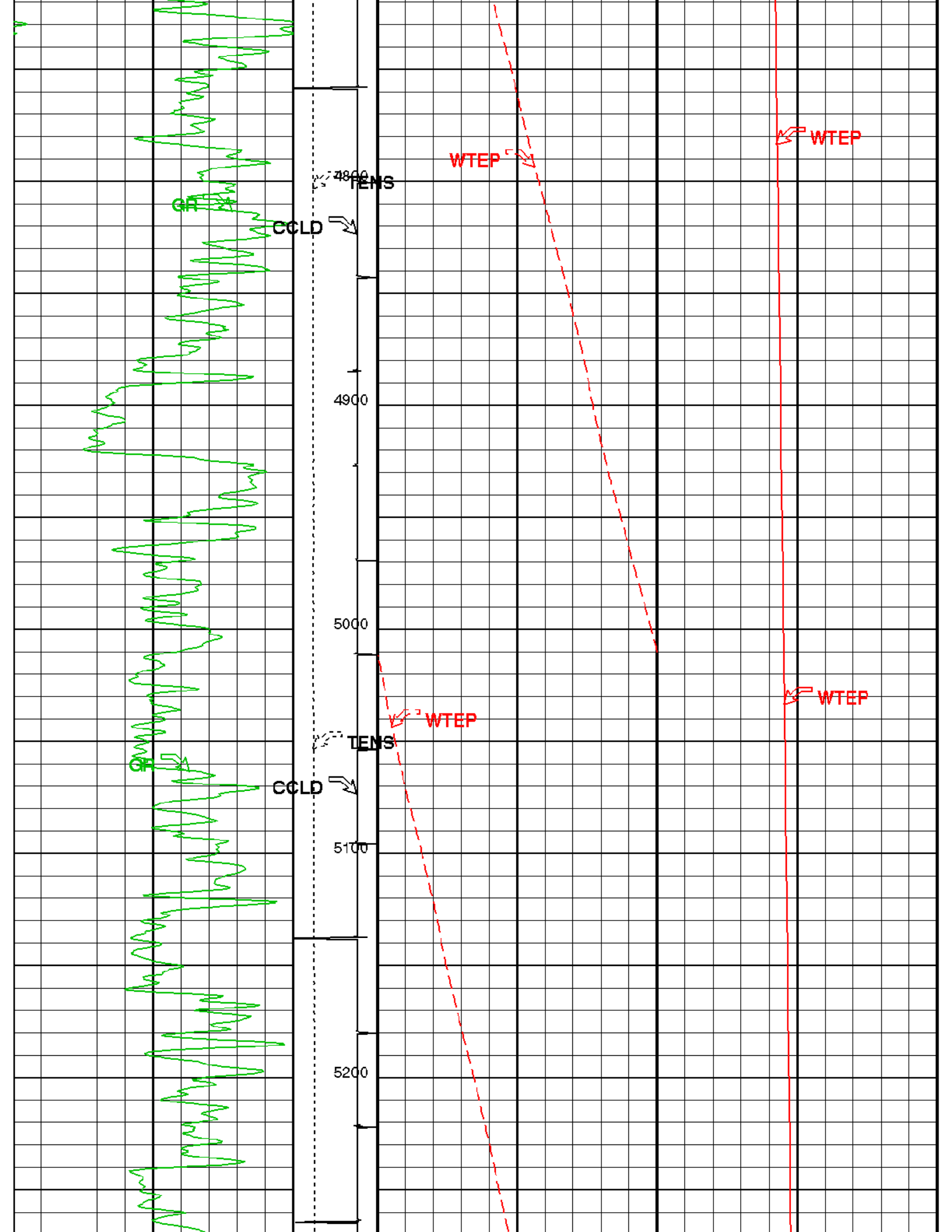
DEFAULT	SCMT_PSP_050PUP	FN:49	PRODUCER	30-Mar-2009 19:36	7587.0 FT	4043.5 FT
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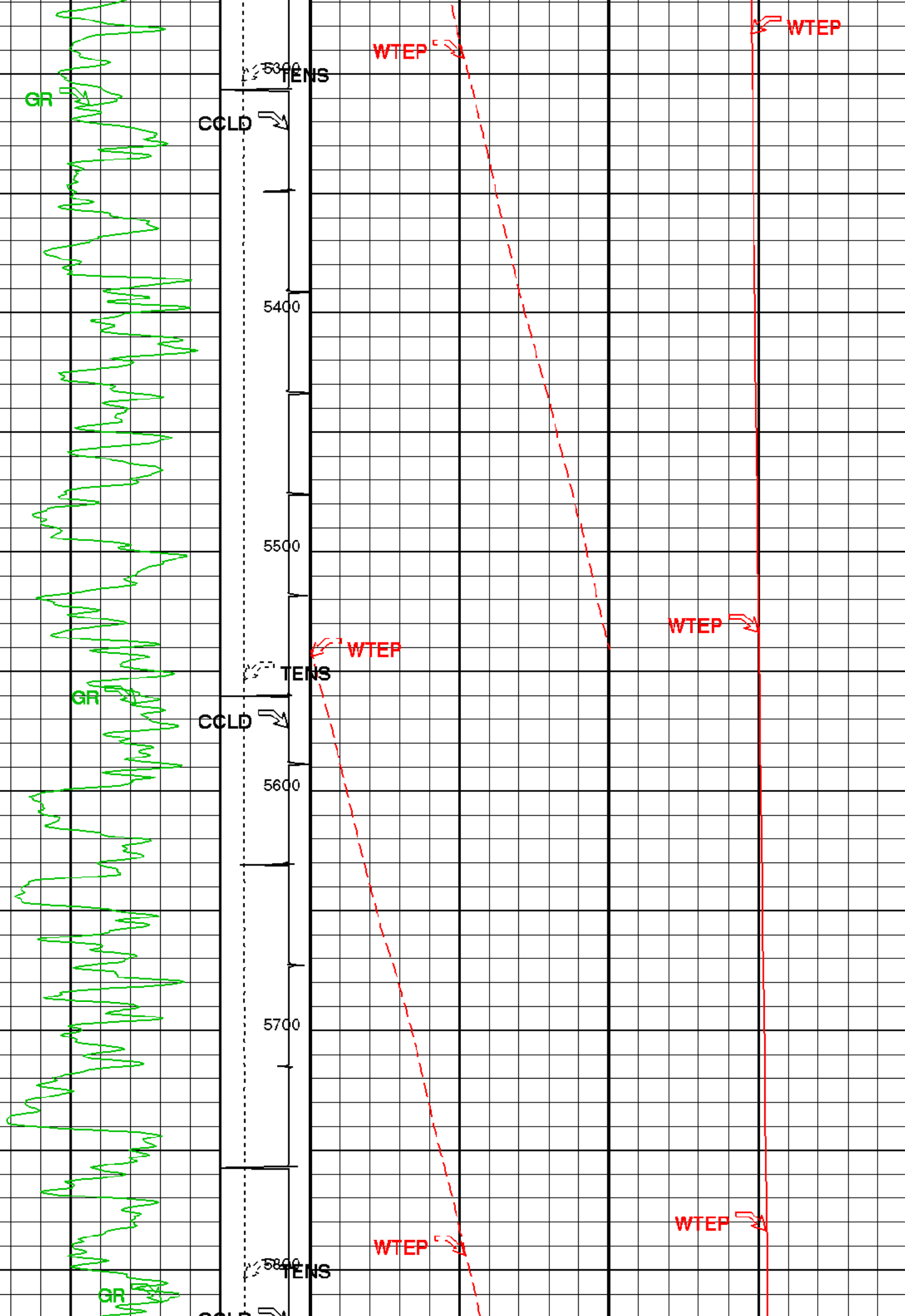
OP System Version: 17C0-154

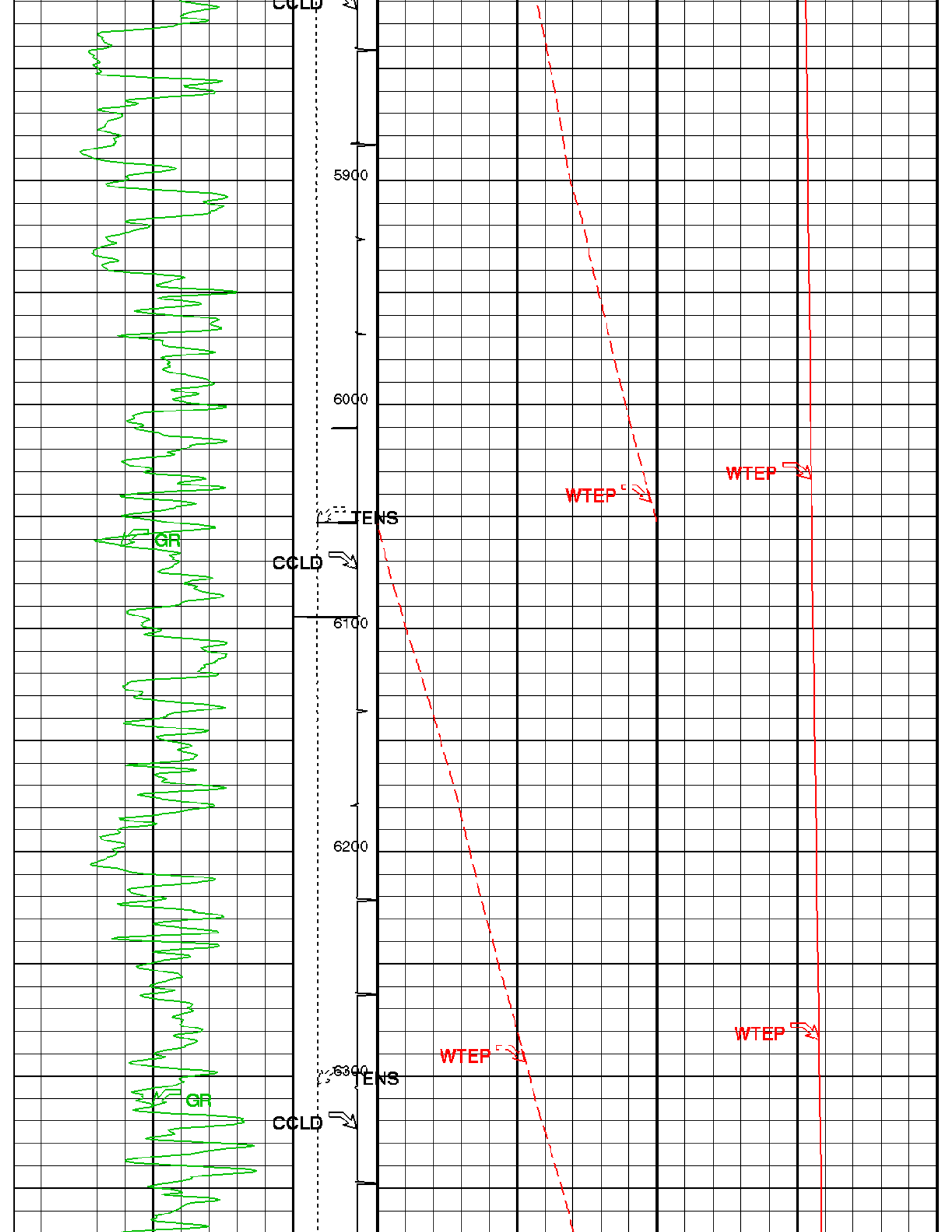
SCMT-CB	SRPC-3779-Q1_2009_OP17_b	PSPT-A/B	17C0-154
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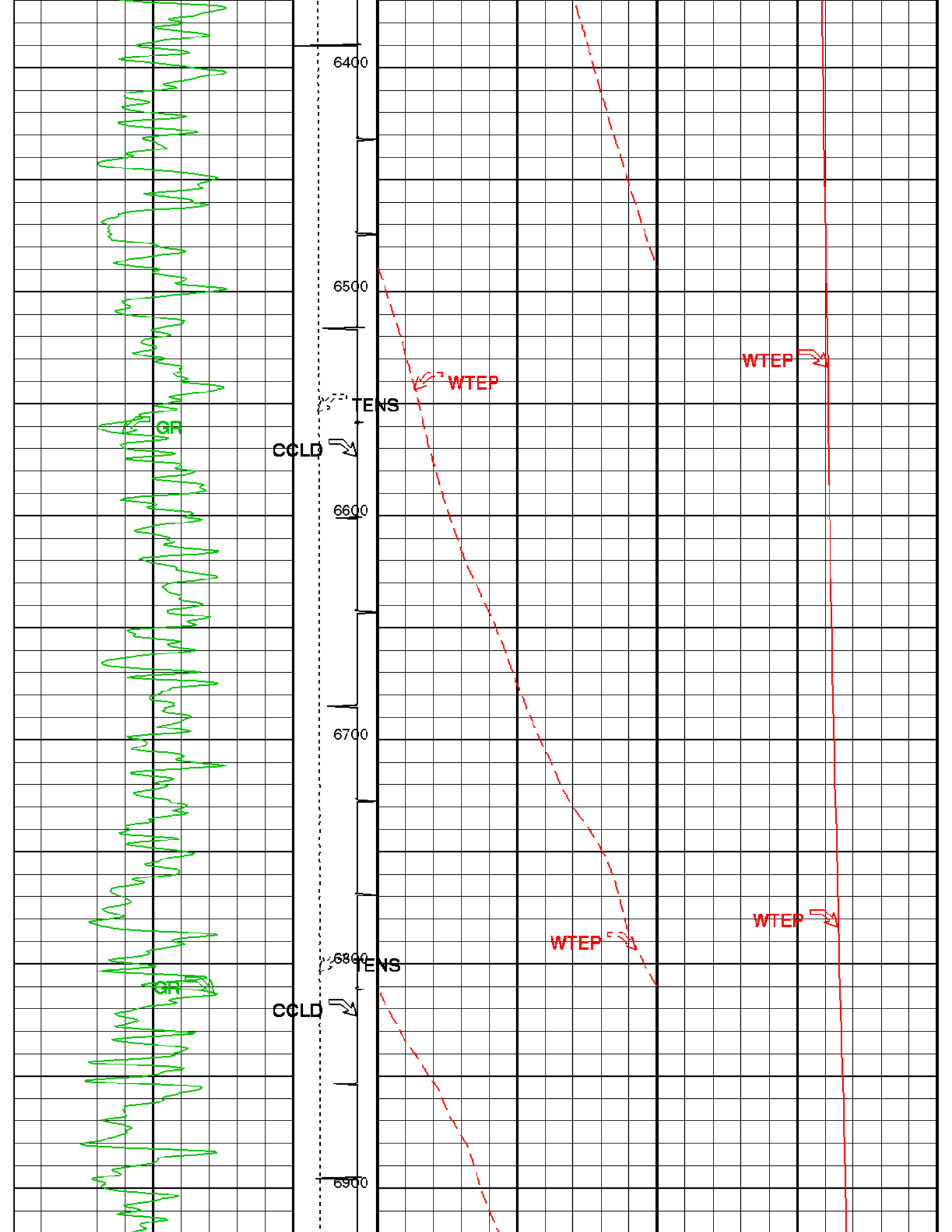


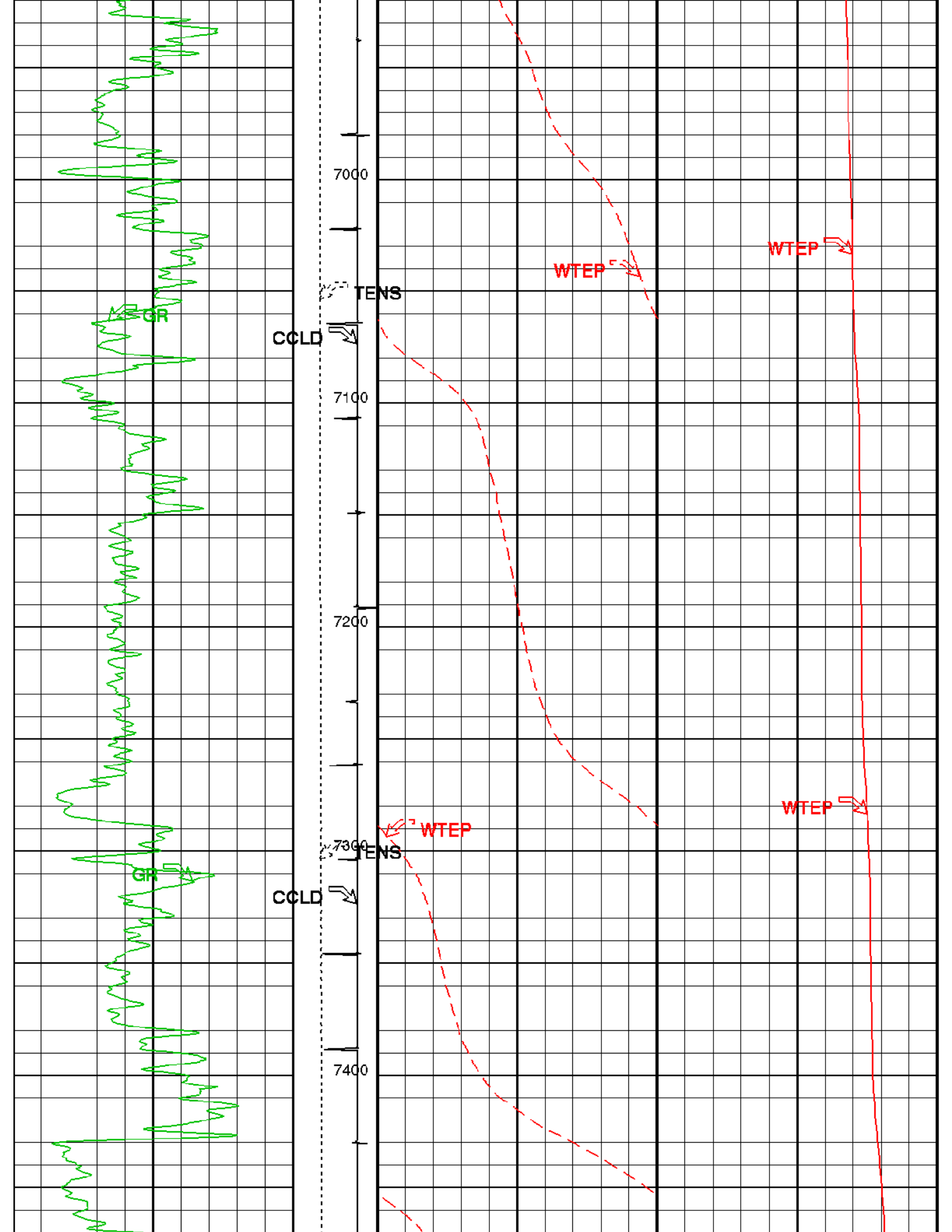


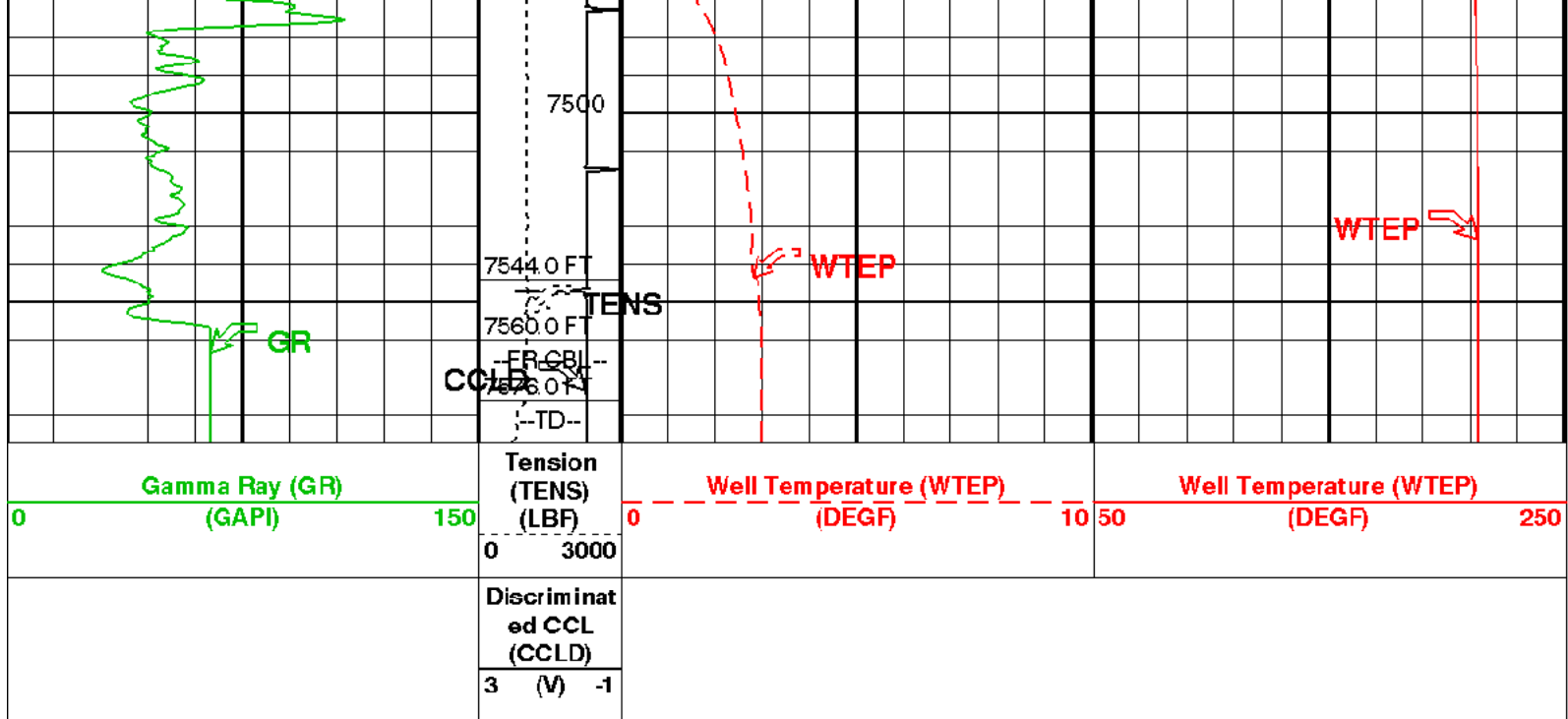












Parameters

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)	213 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		
ALTRCHAN	Name of alternate depth channel	SpeedCorrectedDepth

ALTD CHAN	Name of alternate depth channel	Speed	Corrected Depth	
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		6.0	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		7576	FT
TDD	Total Depth - Driller		7650.00	FT
TDL	Total Depth - Logger		7576.00	FT
TWS	Temperature of Connate Water Sample		100.00	DEGF

Format: TEMPERATURE_S2

Vertical Scale: 2" per 100'

Graphics File Created: 30-Mar-2009 19:36

OP System Version: 17C0-154

SCMT-CB

SRPC-3779-Q1_2009_OP17_b

PSPT-A/B

17C0-154

Input DLIS Files

DEFAULT

SCMT_PSP_047LUP

FN:46

PRODUCER

30-Mar-2009 18:42

7581.0 FT

4073.5 FT

Output DLIS Files

DEFAULT

SCMT_PSP_050PUP

FN:49

PRODUCER

30-Mar-2009 19:36

Schlumberger

COEFFICIENTS

MAXIS Field Log

Client:	BILL BARRETT CORPORATON	Tool:	PSP
Field:	MAMM CREEK	Sub Type:	PBMS
Well:	BRYNILDSON 14A-20-692	Sensor:	GR
Run date:	30-Mar-2009		

PBMS Gamma Ray

Sonde Serial NB

Sensor Serial NB

Calib Date ddmmyy

Matrix Size

Coeff CRC

RESISTORS FOR GR SENSOR N.33659, TOOL PBMS-AA1959. SENSOR S/N:

33659

090703

12

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	+1.02875069491E+03
	Tt**3	Tt**4	Tt**5
Tt**0	-1.153744880398E+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**



Well: **BRYNILDSON 24C-20-692**
Field: **MAMM CREEK**
County: **GARFIELD**
State: **COLORADO**

CEMENT BOND LOG
CBL / VDL
GAMMA RAY / CCL