

Company: GENESIS GAS & OIL, LLC

Well: FLETCHER GULCH 34-41

Field: WILDCAT

County: RIO BLANCO State: COLORADO

County: RIO BLANCO
Field: WILDCAT
Location: 556' F&L & 836' FWL
Well: FLETCHER GULCH 34-41
Company: GENESIS GAS & OIL LLC

CEMENT BOND LOG
GAMMA RAY
COLLAR/PRESSURE/TEMPERATURE

LOCATION		Elev: K.B. 6419.1 ft G.L. 6406.1 ft D.F. 6416.1 ft	
556' F&L & 836' FWL			
Permanent Datum:	GROUND LEVEL	Elev: 6408.1 ft	
Log Measured From:	KELLY BUSHING	11.0 ft above Perm. Datum	
Drilling Measured From:	KELLY BUSHING		

API Serial No.	Section	Township	Range
05 103 10960 00	34	2N	100W

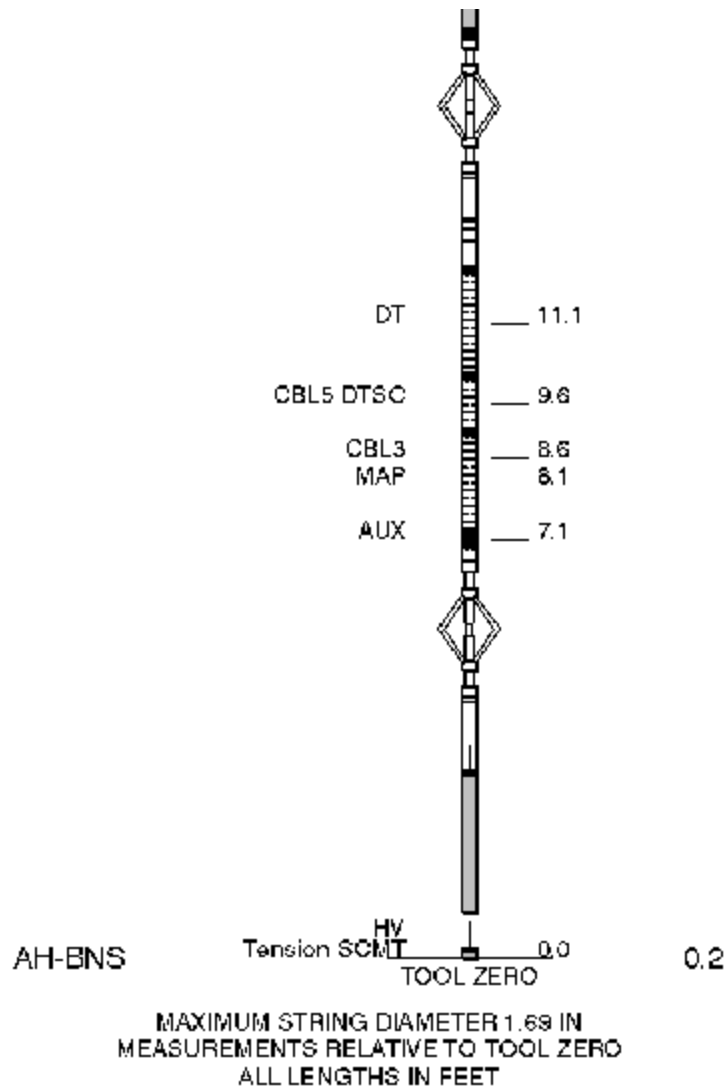
Logging Date 0-8-Sep-2000

Run Number	1
Depth Driller	2571 ft
Schlumberger Depth	2484 ft
Bottom Log Interval	2475.4 ft
Top Log Interval	100 ft
Casing Fluid Type	WATER
Salinity	
Density	0.34 lbm/gal
Fluid Level	0 ft
BIT/CASING/TUBING STRING	
Bit Size	7.075 in
From	0 ft
To	2571 ft
Casing/Tubing Size	5.500 in
Weight	17 lbm/ft
Grade	
From	0 ft
To	2434 ft
Maximum Recorded Temperatures	88 degF
Logget On Bottom	8-Sep-2000
Unit Number	403
Recorded By	SCOTT ROACH
Witnessed By	ED MARTIN

OIL DATA		Run 1	Run 2
Water Salinity			
Gas Gravity			
Bo			
Bw			
I/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			
Logget On Bottom			
Unit Number			
Recorded By			
Witnessed By			

[illegible]

Depth System Equipment				Date Created: 8-SEP-2008 13:56:17
Depth Measuring Device		Tension Device		Logging Cable
Type:	IDW-B	Type:	CMTD-C	Type:
Serial Number:	6408	Serial Number:	5022	Serial Number:
Calibration Date:	08-04-08	Calibration Date:	13-AUG-08	Length:
Calibrator Serial Number:	1	Calibrator Serial Number:	1	Conveyance Method:
Calibration Cable Type:	1-23P	Calibration Gain:	0.90	Rig Type:
Wheel Correction 1:	-4	Calibration Offset:	-120.00	
Wheel Correction 2:	-4			
Depth Control Parameters				
Log Sequence:		Subsequent Trip To the Well		
Reference Log Name:		PLATFORM EXPRESS		
Reference Log Run Number:		1		
Reference Log Date:		31-JUL-08		
Subsequent Trip Down Log Correction:		1.50 FT		
Depth Control Remarks				
1. IDW USED AS PRIMARY DEPTH CONTROL 2. Z-CHART USED AS SECONDARY 3. 4. 5. 6.				

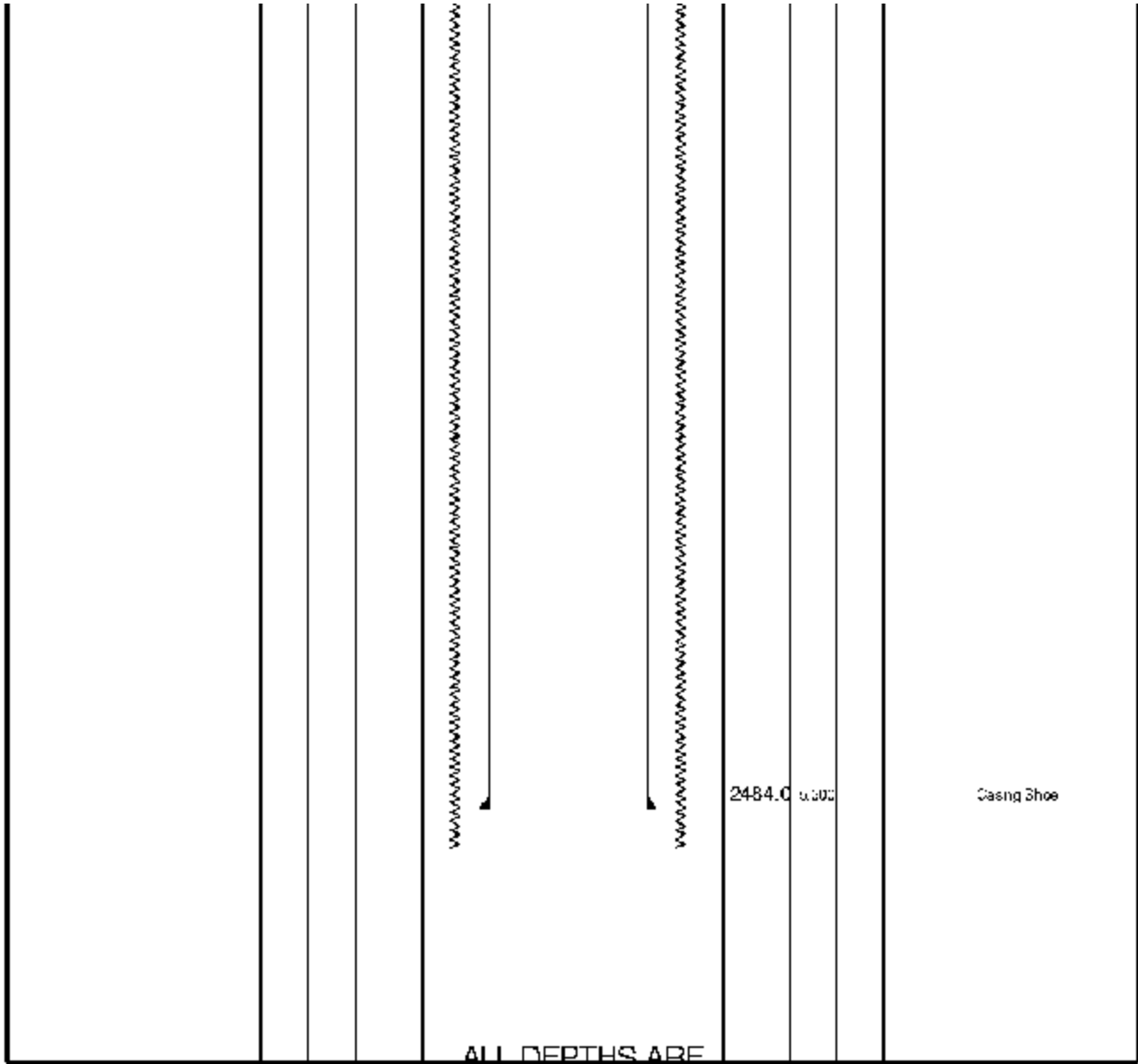


Client: GENESIS
Well: FG 34 41
Field: WILDCAT
State: CO
Country:US

Drawing Date: 8/2008
API #0510310960

Rig Name:
Reference Data: Kelly Bushing
Elevation:

Production String	CC	ID	MD	Well Schematic	CC	ID	MD	Casing String
					0.0	6.603		Etesog Segment



ALL DEPTHS ARE
DRILLER'S DEPTHS

Schlumberger

MAIN PASS

MAXIS Field Log

Output DLIS Files

DEFAULT

SCMT_PSP_005LUP

FN:4

PRODUCER

08-Sep-2008 14:06

2496.5 FT

84.0 FT

OP System Version: 15C0-309

MCM

SCMT-CA

SRPC-3582-Q1_2008_OP15

PSPT-A/B

SRPC-3582-Q1_2008_OP15

Changed Parameter Summary

DLIS Name

New Value

Previous Value

Depth & Time

TDL

2484.00 FT

-50000.00 FT

1736.0 14:19:27

PIP SUMMARY

☒ Time Mark Every 60 S

Gamma Ray (GR)

0 (GAPI) 150

Discriminated CCL (CCLD)

12 (V) -1

Well Temperature (WTEP)

100 (DEGF) 300

Cbl 3.ft Transit Time (TT)

400 (US) 200

Tension

(TENS)

(LBF)

0 2000

CBL Amplitude (CBL)

0 (MV) 20

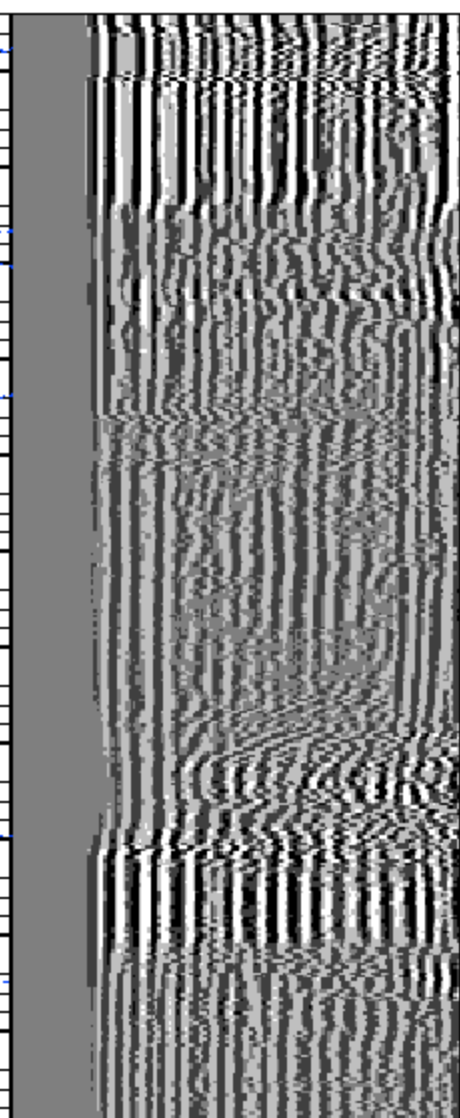
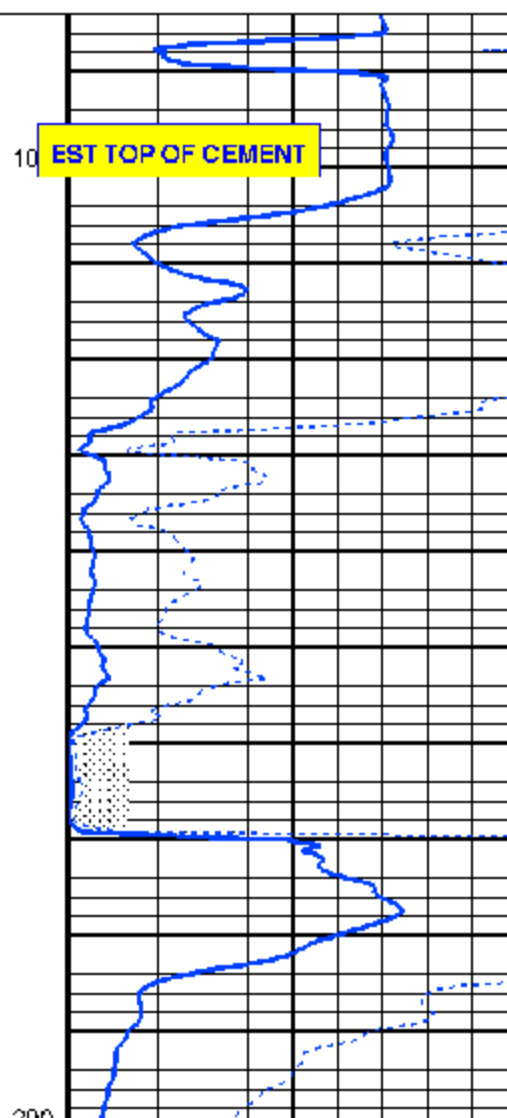
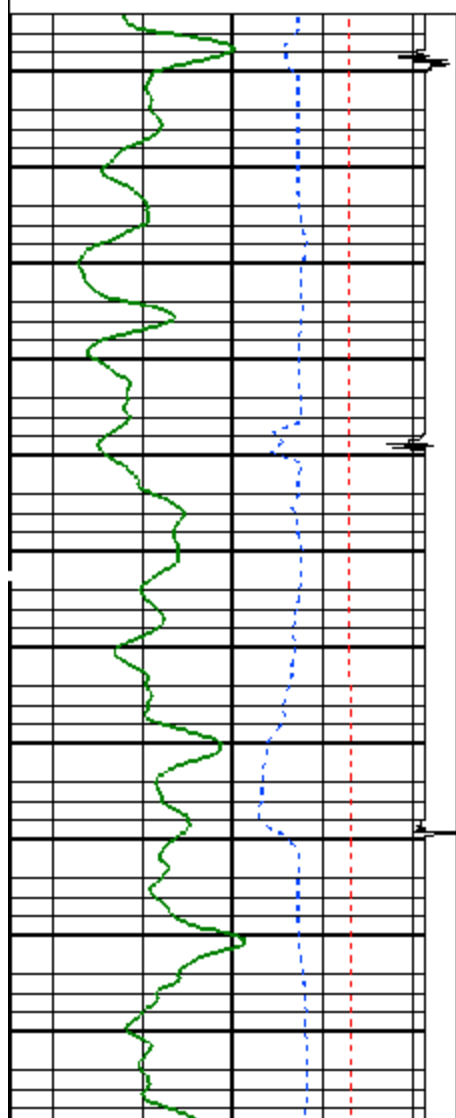
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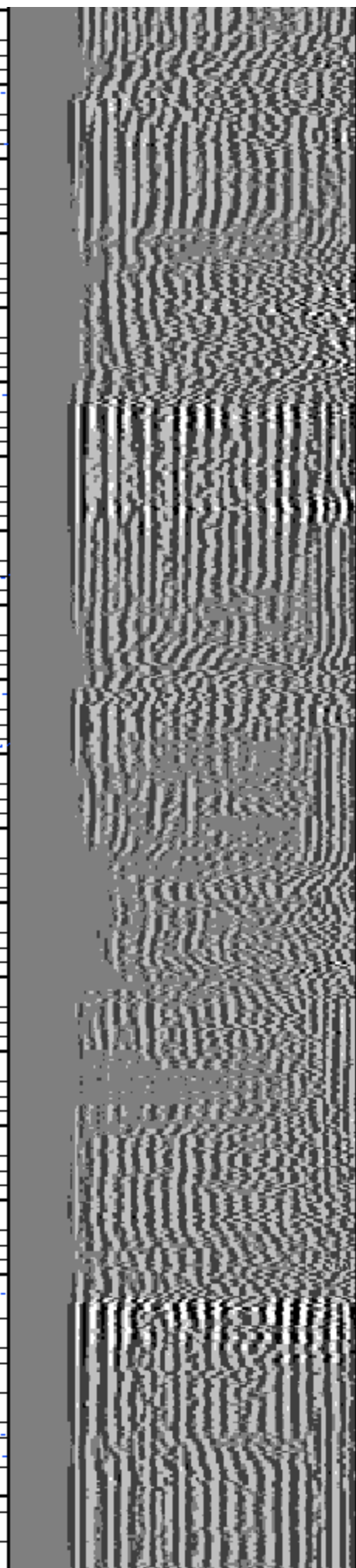
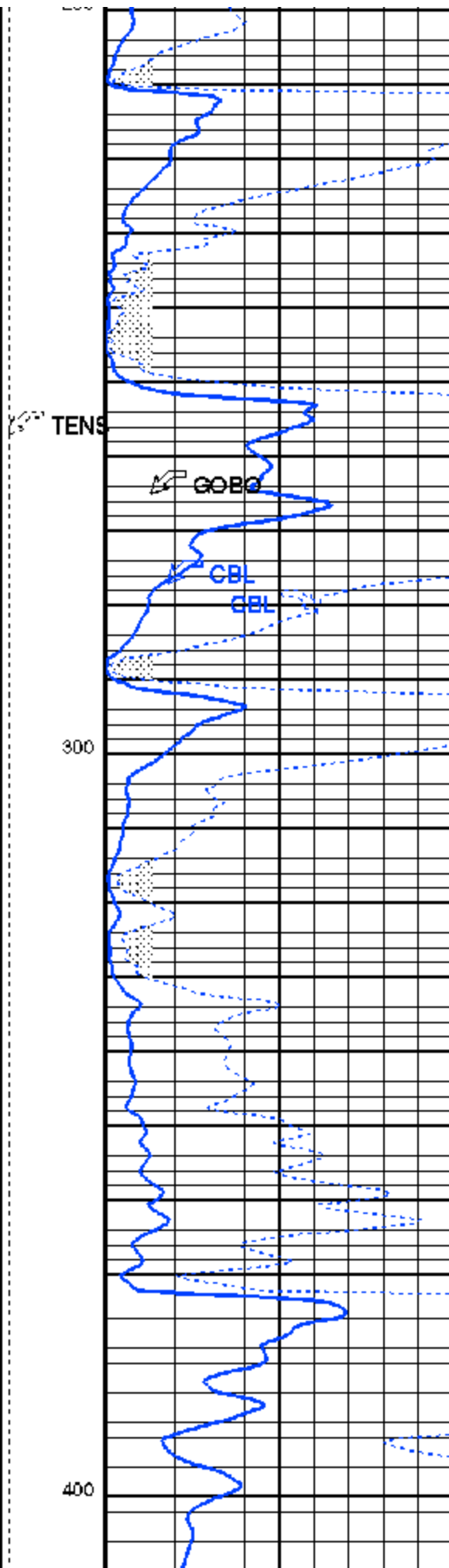
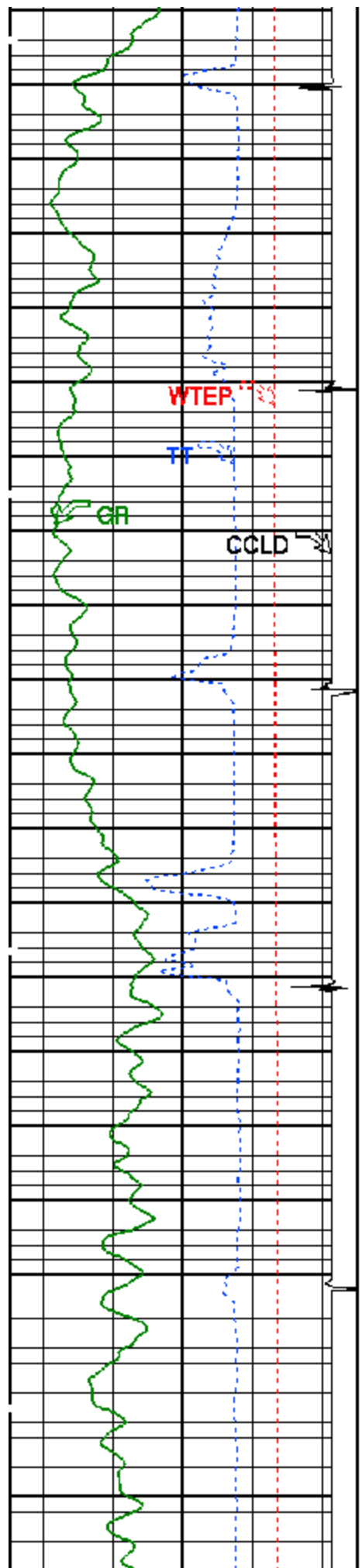
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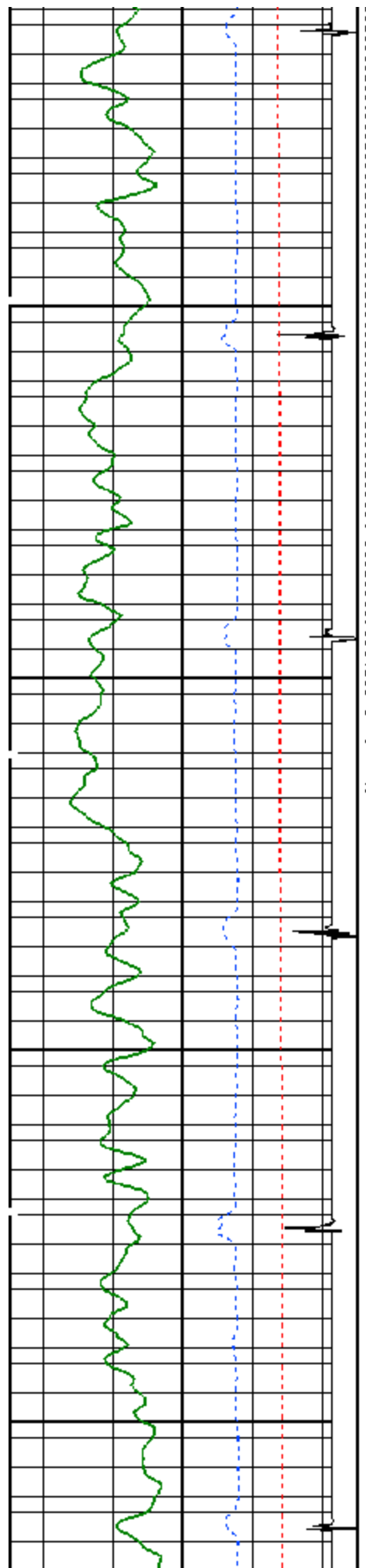
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VDL VariableDensity (VDL)

200 (US) 1200

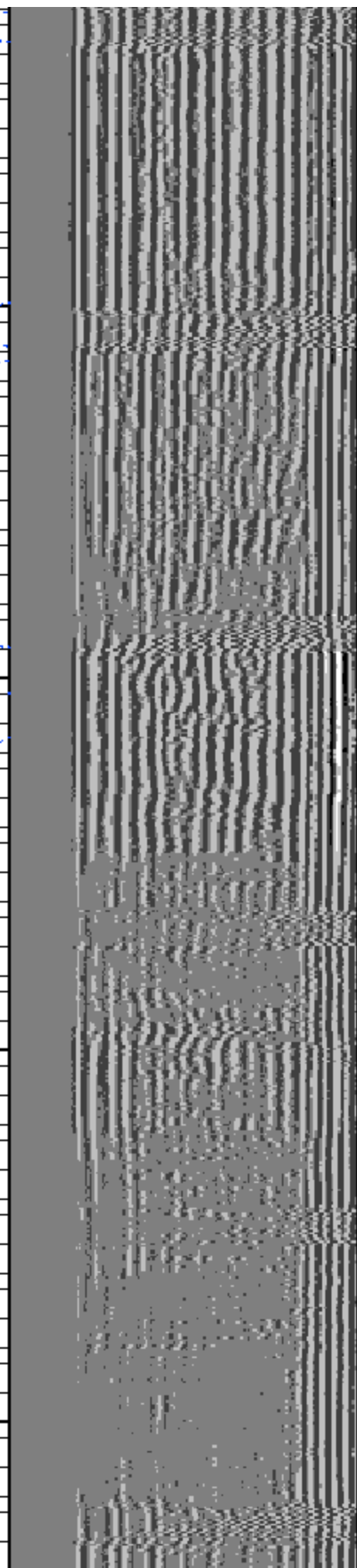
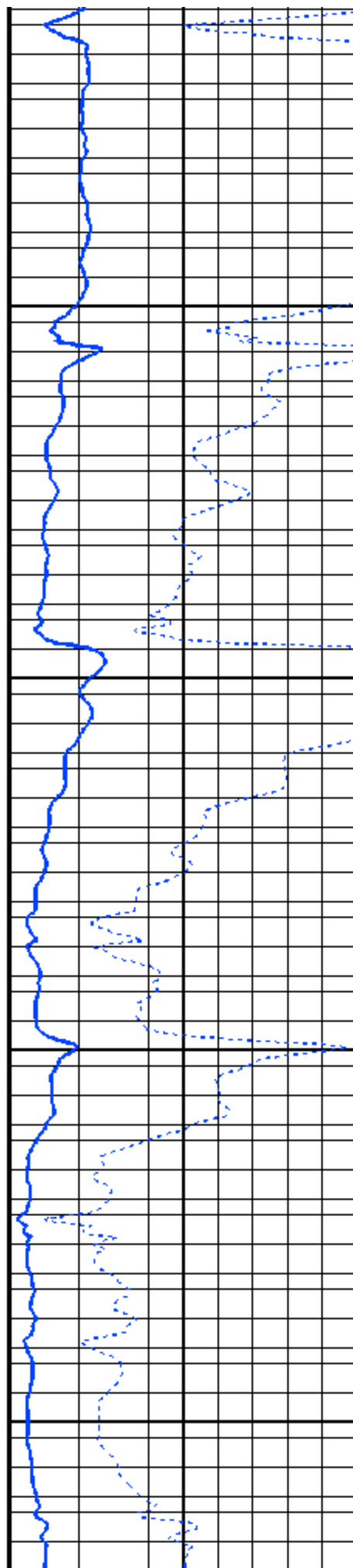


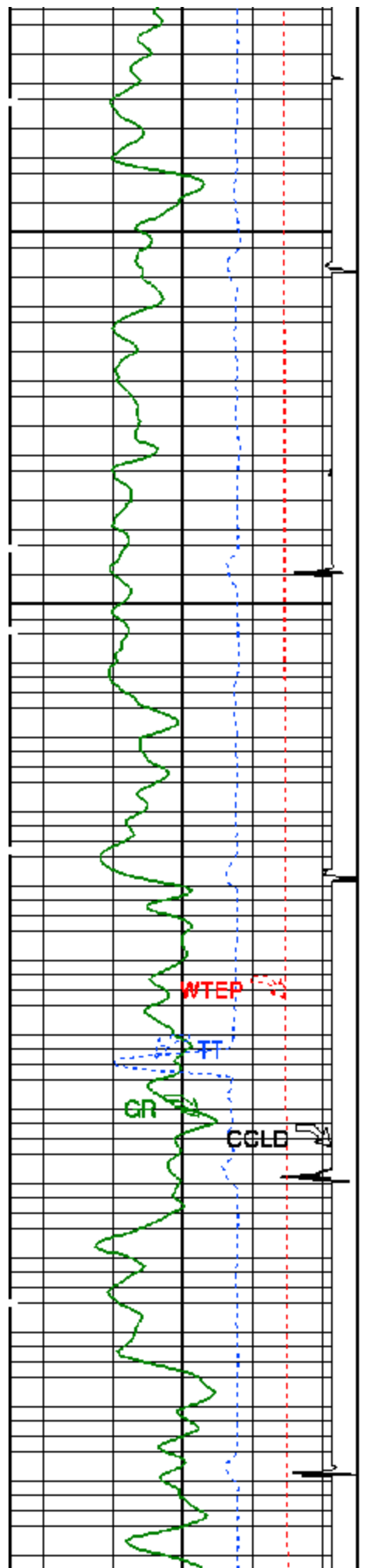




500

600





700

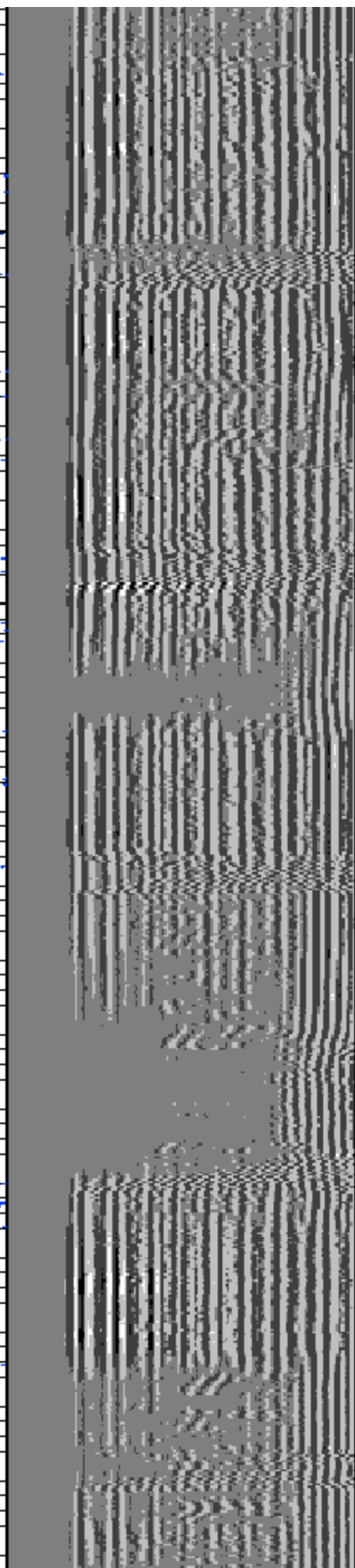
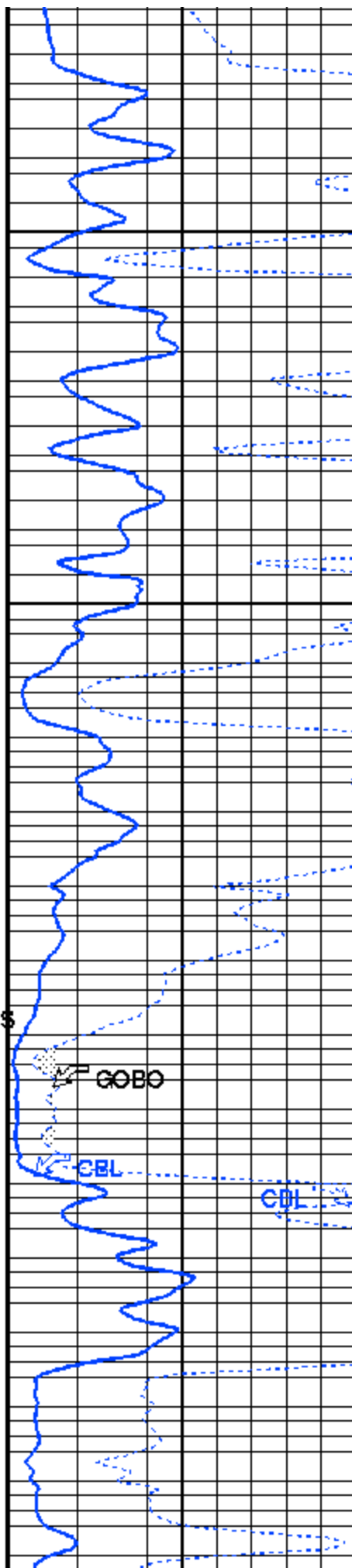
TENS

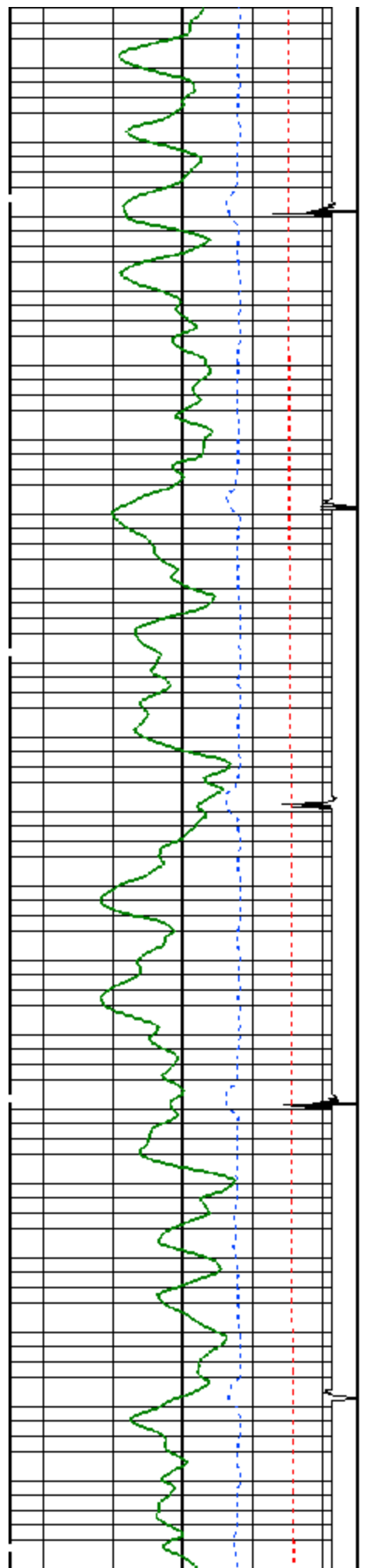
GOBO

CBL

CBL

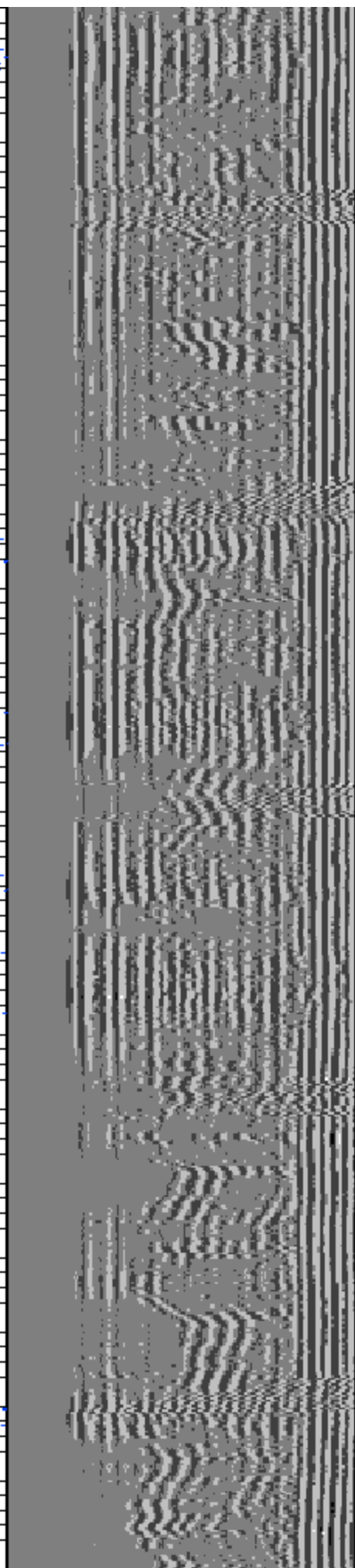
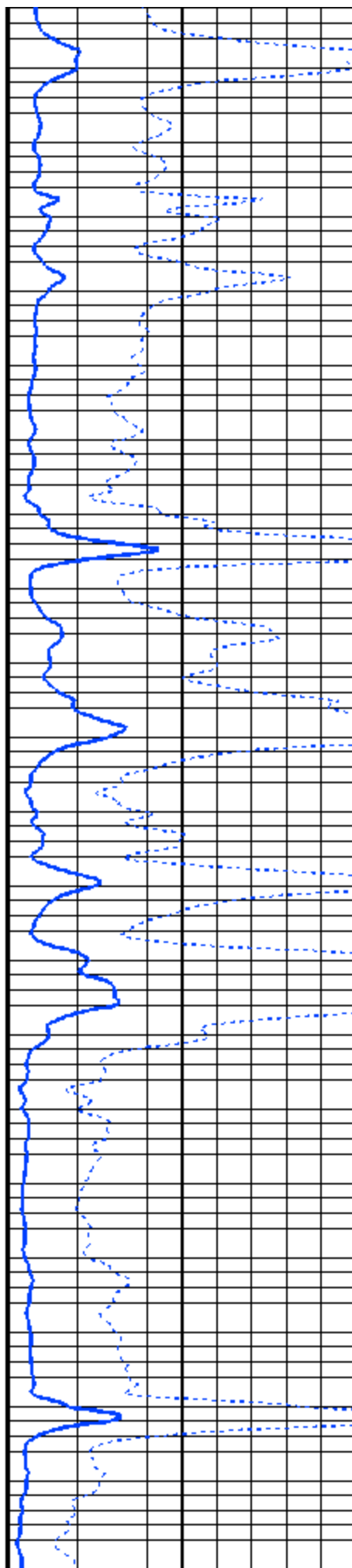
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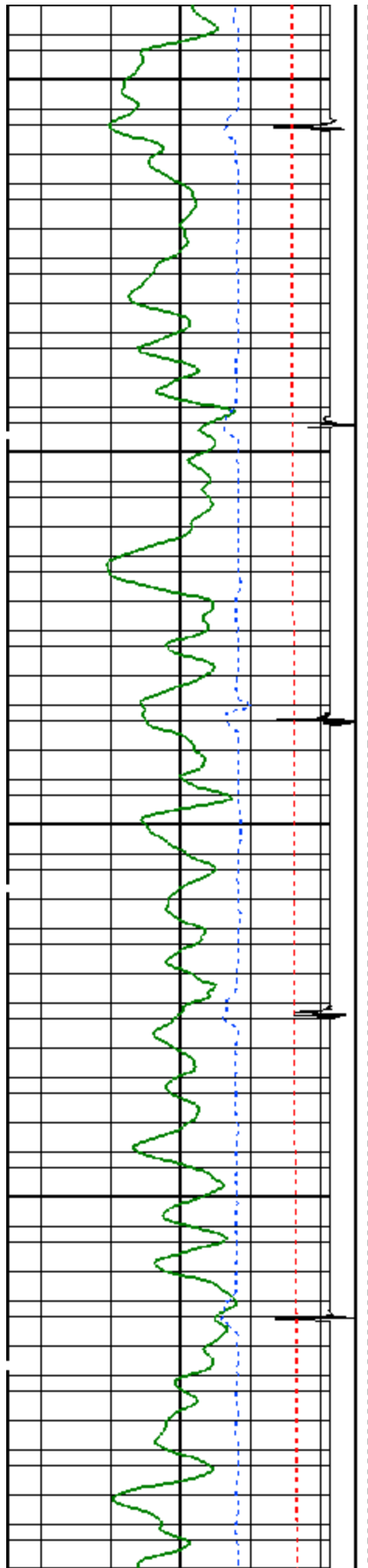




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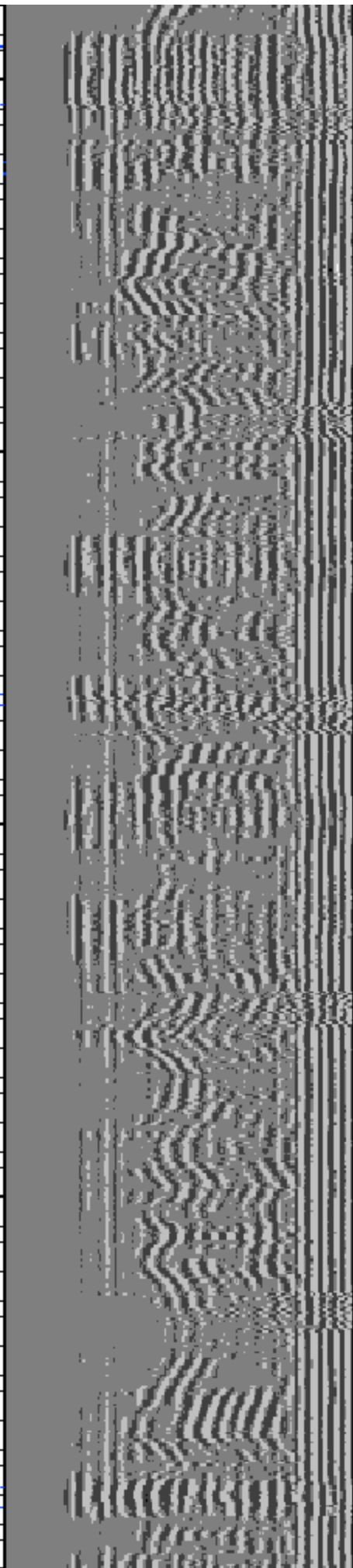
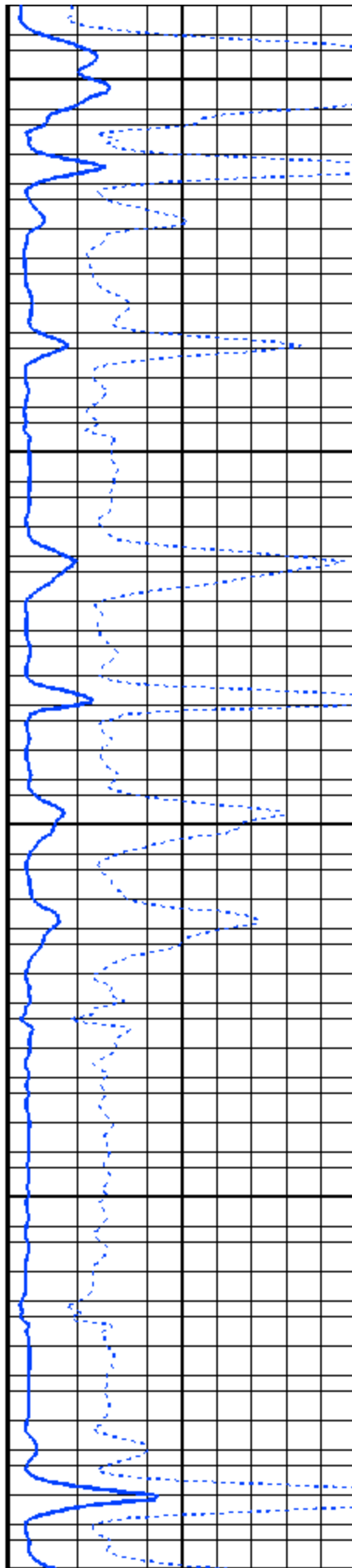
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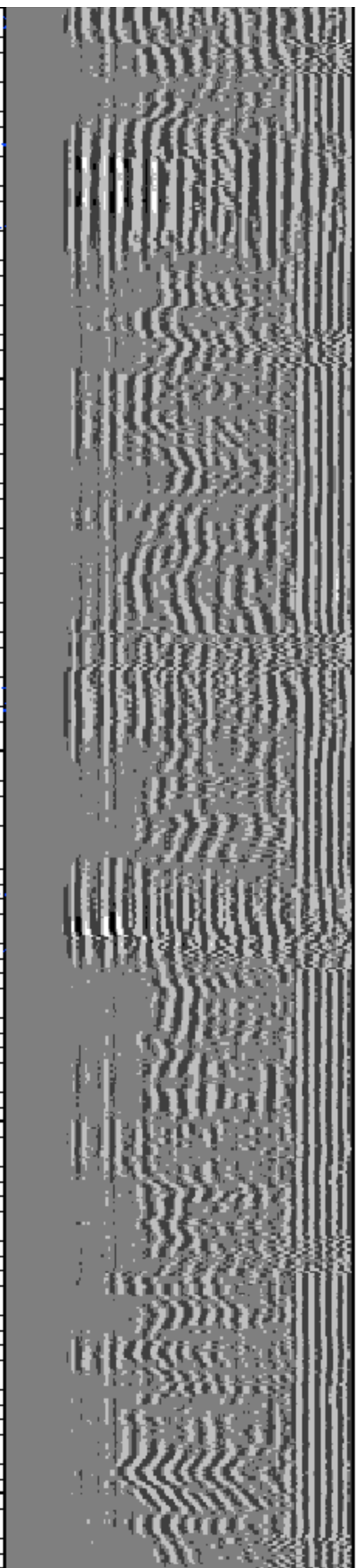
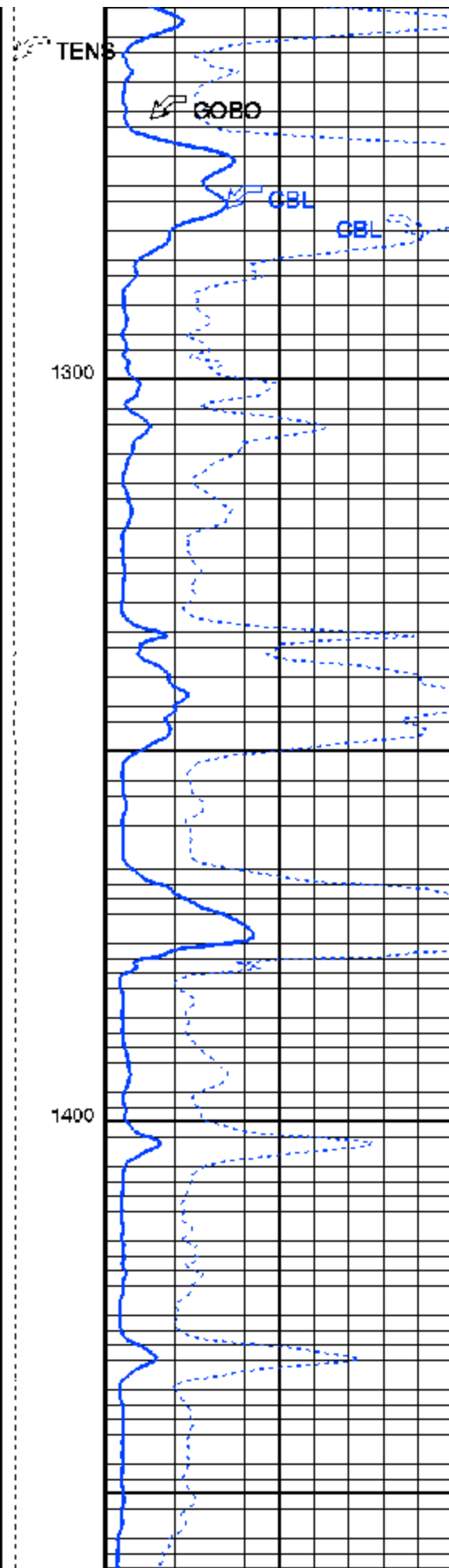
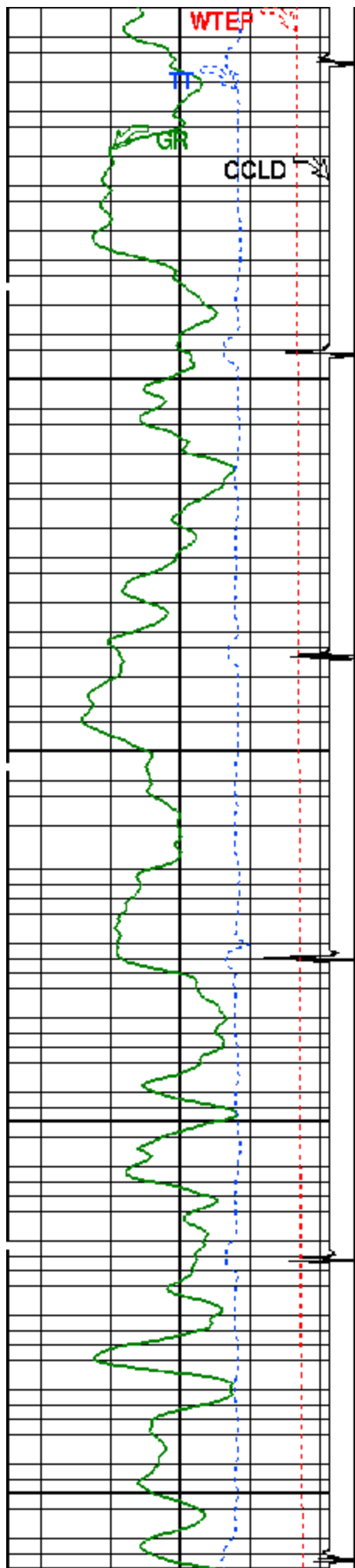


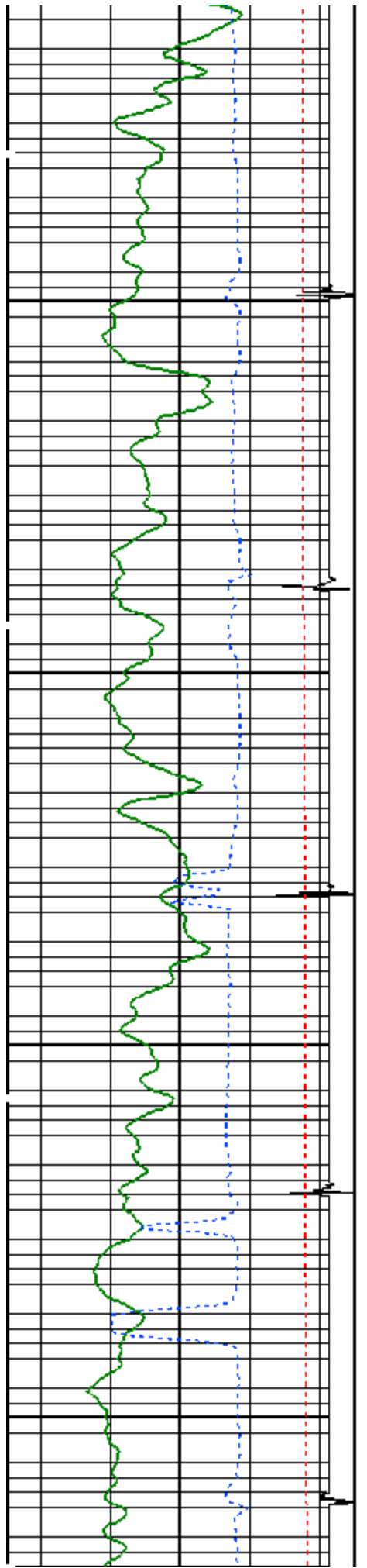


1100

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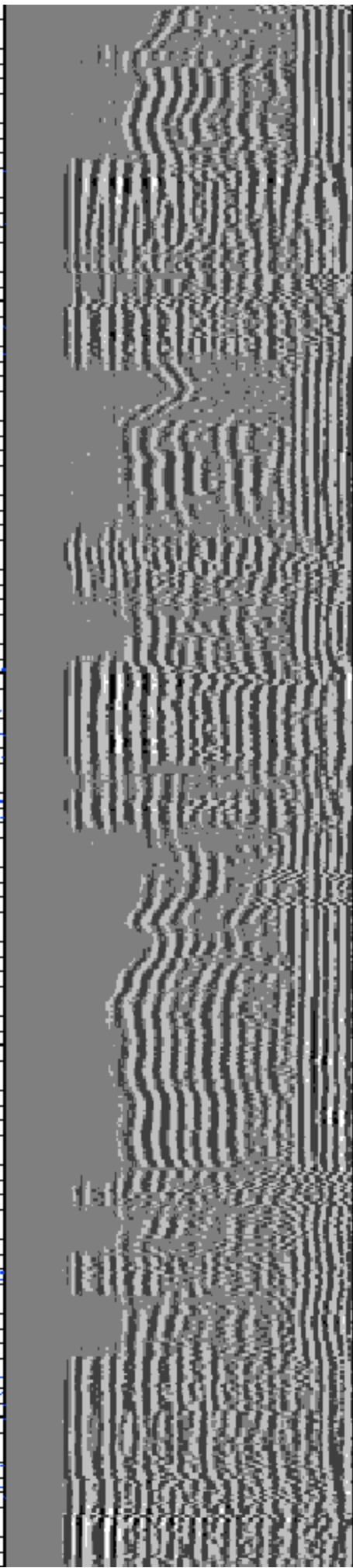
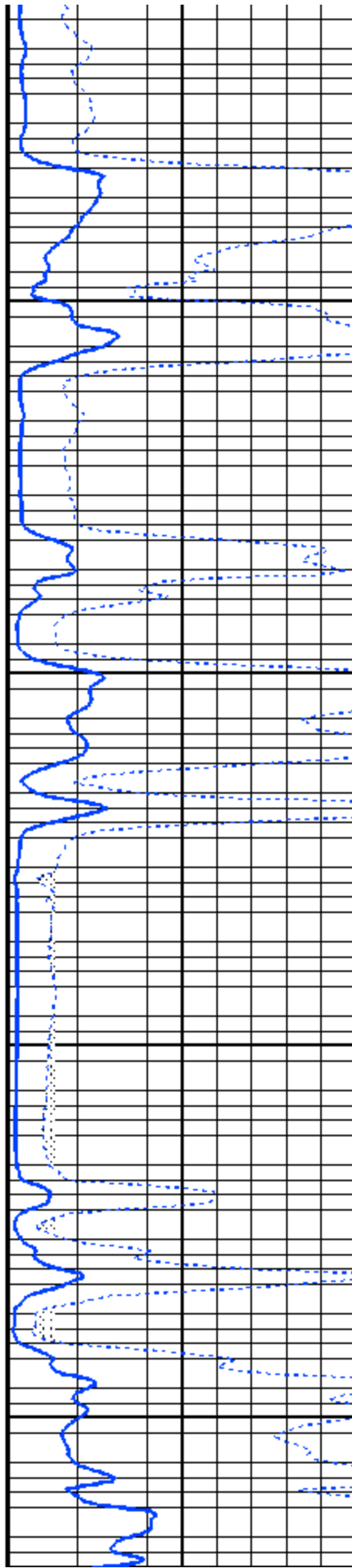


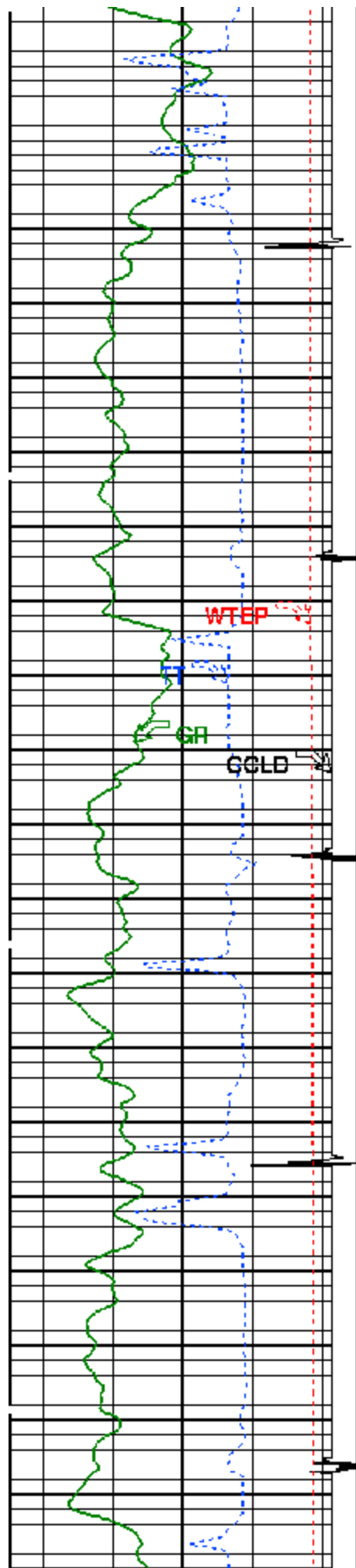




1500

1600





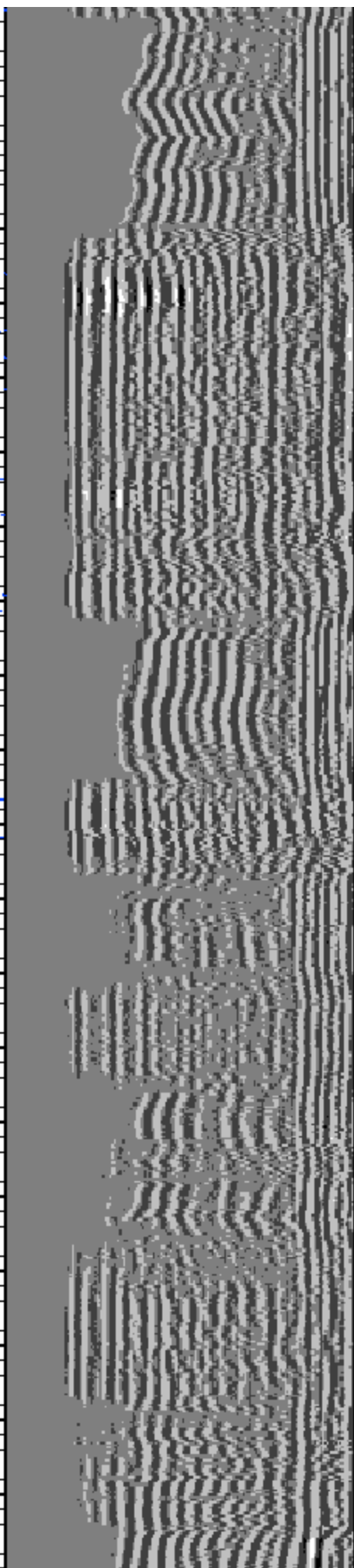
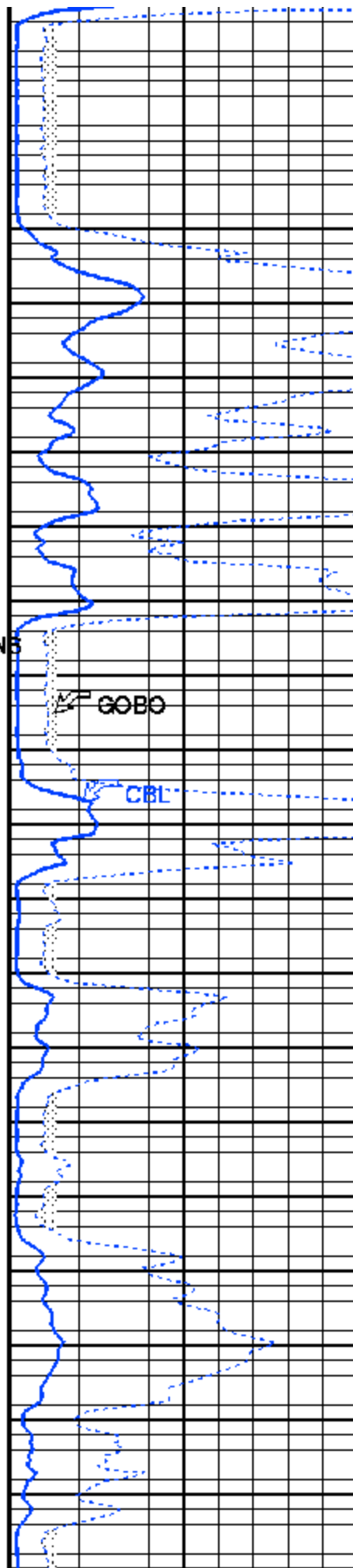
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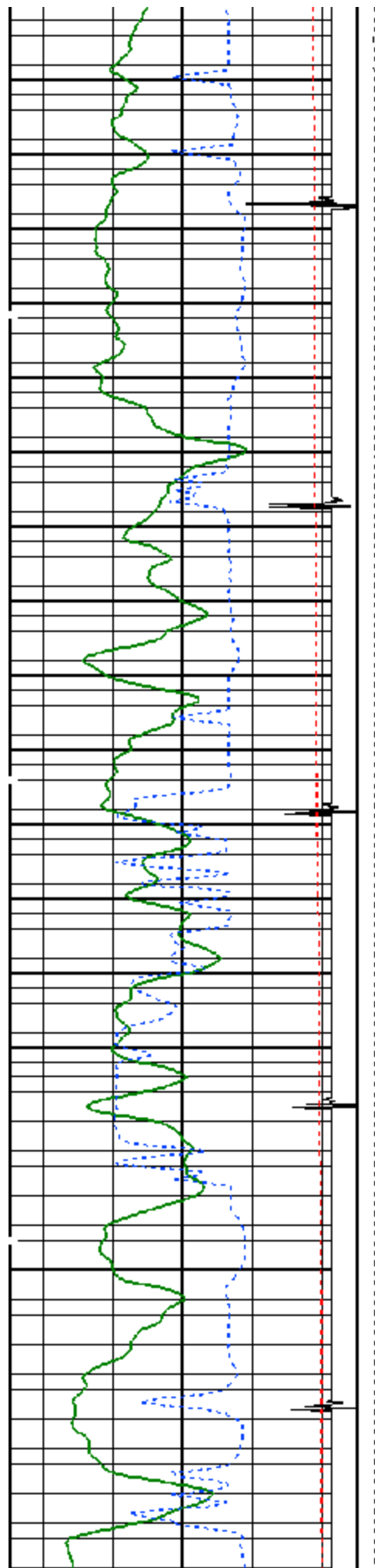
TENS

GOBO

CBL

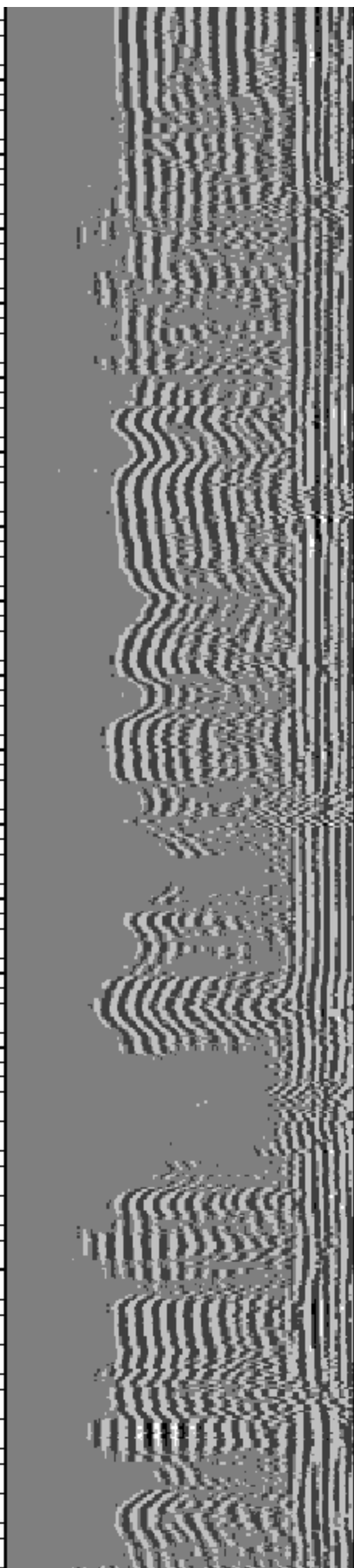
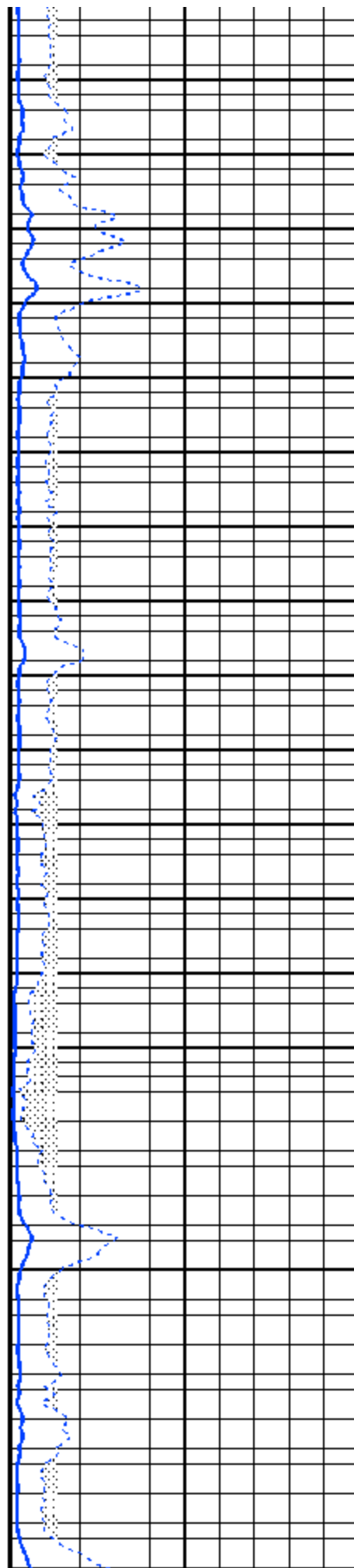
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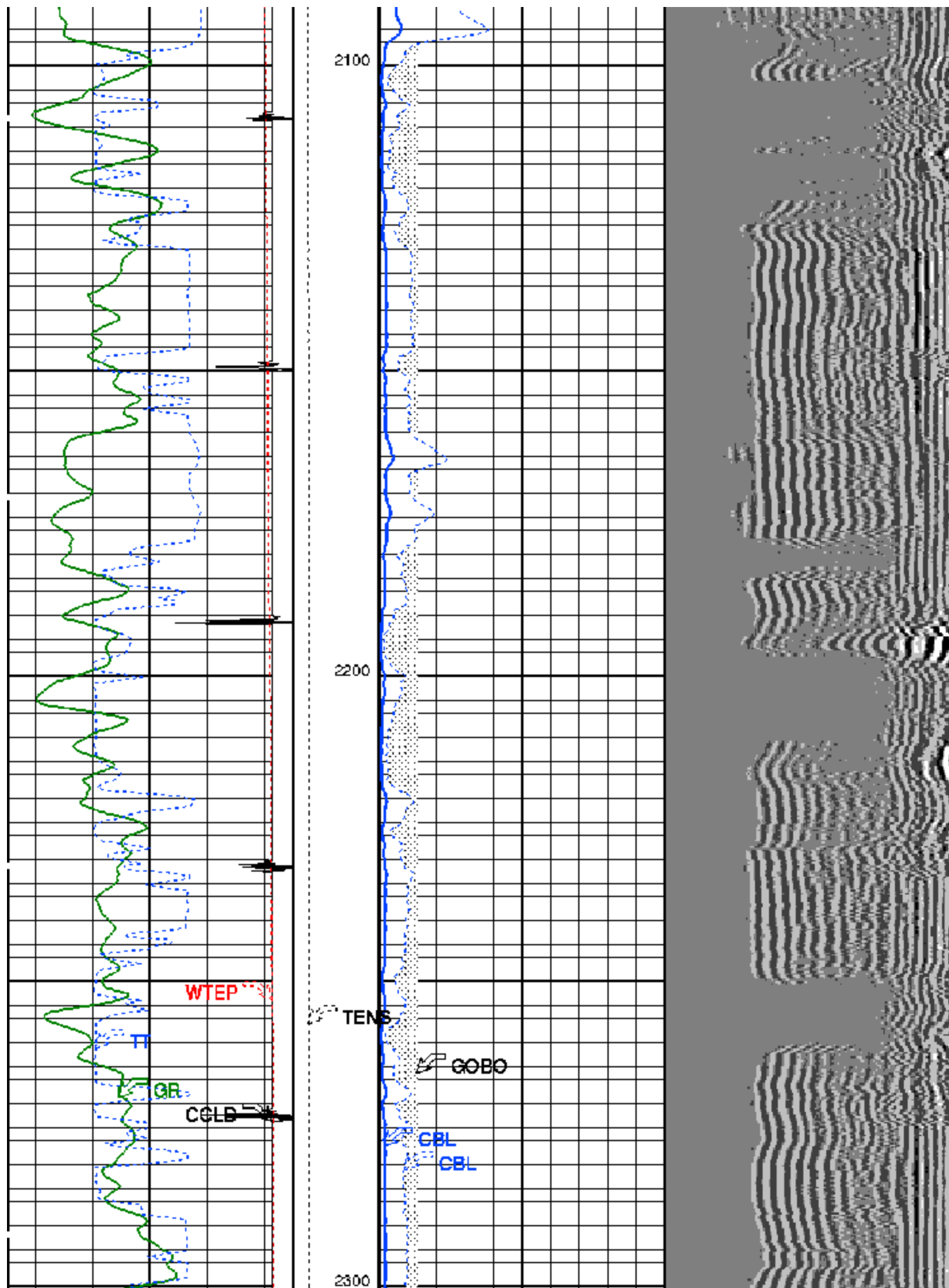


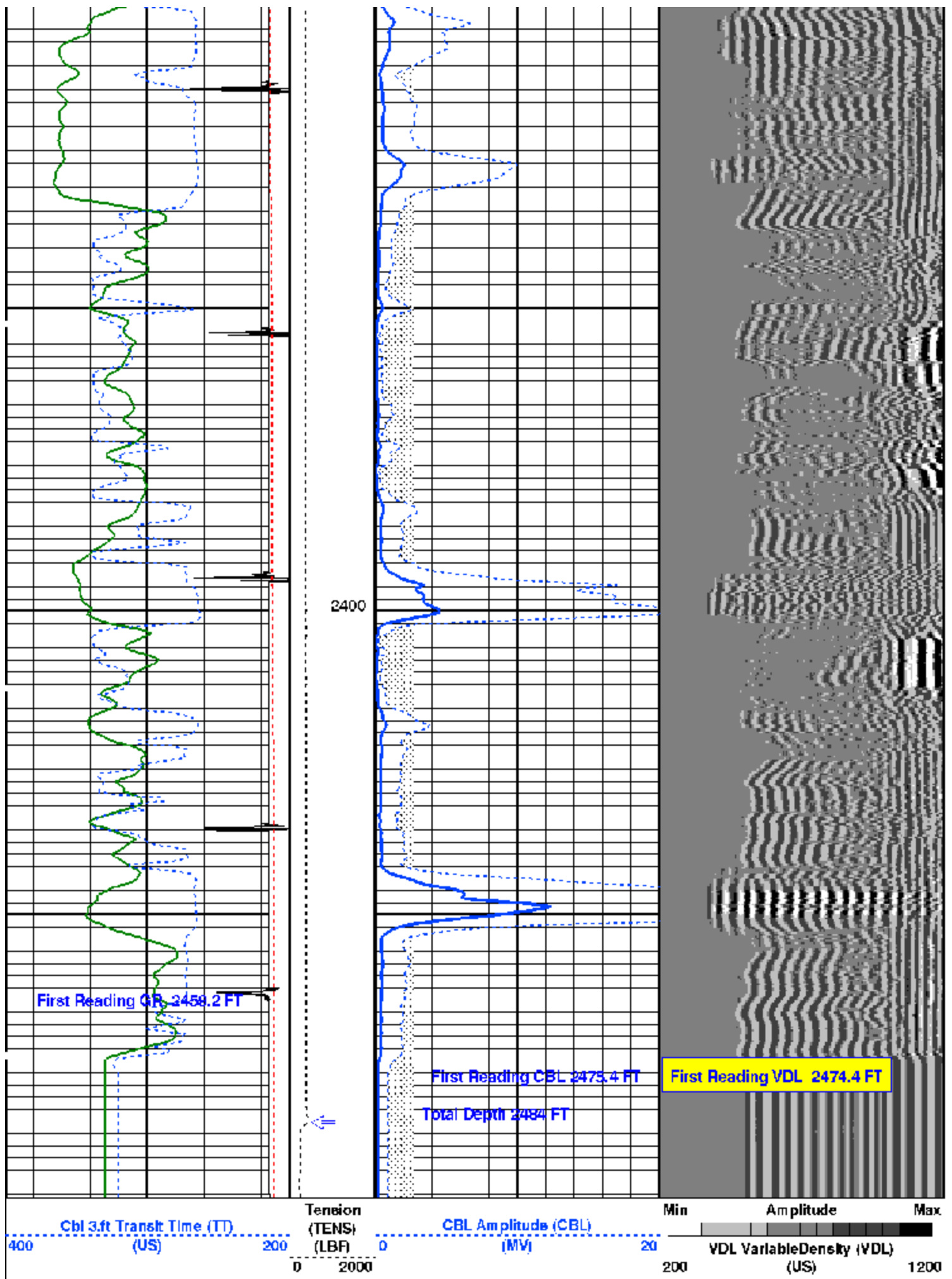


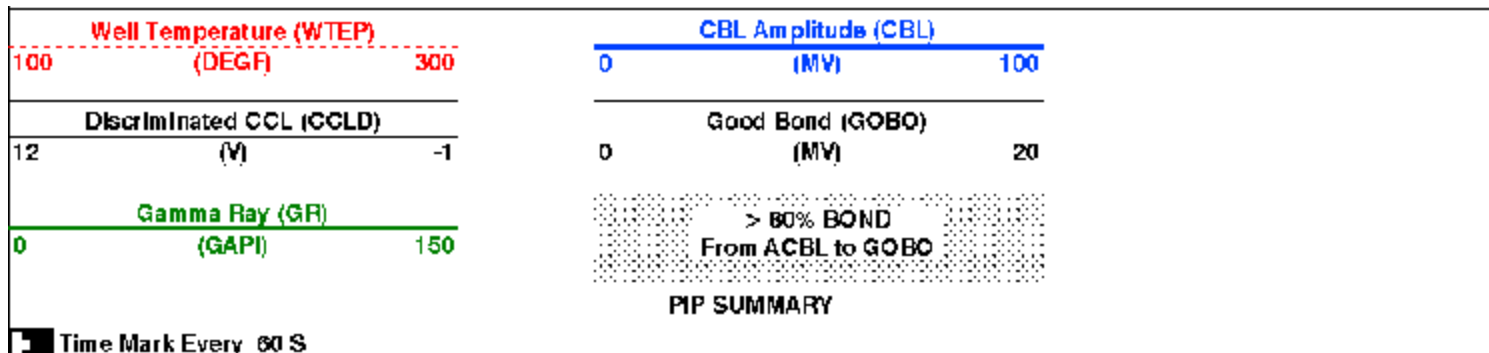
1900

2000









Format: Sfmt_Amp_VDL Vertical Scale: 5' per 100' Graphics File Created: 08-Sep-2008 14:06

OP System Version: 15C0-309

MCM

SCMT-CA

SRPC-3582-Q1_2008_OP15

PSPT-A/B

SRPC-3582-Q1_2008_OP15

Parameters

DLIS Name	Description	Value
SCMT-CA: Slim Cement Mapping Tool 1-11/16 OD		
BIQI	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	238.059 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	352.059 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	71 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	0.308128 IN
DTF	Delta-T Fluid	189 US/F
FATT	Acoustic Attenuation due to Fluid	0 DB/F
FCF	CBL Fluid Compensation Factor	0.930926
GOBO	Good Bond	2.63842 MV
MAPD	SCMT MAP Peak Detection Mode	PEAK
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	181.059 US
MAPT	SCMT MAP Fixed Threshold Level	30 MV
MATT	Maximum Attenuation	13.848 DB/F
MCCF	MAP Cement Type Compensation Factor	1
MCI	Minimum Cemented Interval for Isolation	4.75 FT
MMSA	MAP Minimum Sonic Amplitude	7.35072 MV
MSA	Minimum Sonic Amplitude	1.15842 MV
PEDE	Peak Detection On/Off Switch in Playback	OFF
RBC	Relative Bearing Correction Allow/Disallow	ALLOW
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)	212 DEGF
CSID	Casing Size I.D.	4.892 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	DB12
PSTP	PSTC Tool Position on CAN Bus	1
SHT	Surface Hole Temperature	68 DEGF
System and Miscellaneous		
ALTDCHAN	Name of alternate depth channel	SpeedCorrectedDepth
BS	Bit Size	7.875 IN
BSAL	Borehole Salinity	-50000.00 PPM
CS17	Current Casing Size	5.500 IN

CWEI	Casing Weight	17.00	LB/F
DFD	Drilling Fluid Density	8.34	LB/G
FLEV	Fluid Level	0.00	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	-50000	FT
TDD	Total Depth - Driller	2571.00	FT
TDL	Total Depth - Logger	-50000.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Output DLIS Files

DEFAULT

SCMT_PSP_005LUP

FN:4

PRODUCER

08-Sep-2008 14:08

Schlumberger

REPEAT PASS

MAXIS Field Log

Company: GENESIS GAS & OIL, LLC

Well: FLETCHER GULCH 34-41

Output DLIS Files

DEFAULT

SCMT_PSP_007LUP

FN:6

PRODUCER

08-Sep-2008 14:50

OP System Version: 15C0-309

MCM

SCMT-CA

SRPC-3582-Q1_2008_OP15

PSPT-A/B

SRPC-3582-Q1_2008_OP15

PIP SUMMARY

☒ Time Mark Every 60 S

Gamma Ray (GR)
(GAPI) 0 150

Discriminated CCL (CCLD)
(V) 12 -1

Well Temperature (WTEP)
(DEGF) 100 300

Cbl 3.ft Transit Time (TT)
(US) 400 200

> 80% BOND
From ACBL to GOBO

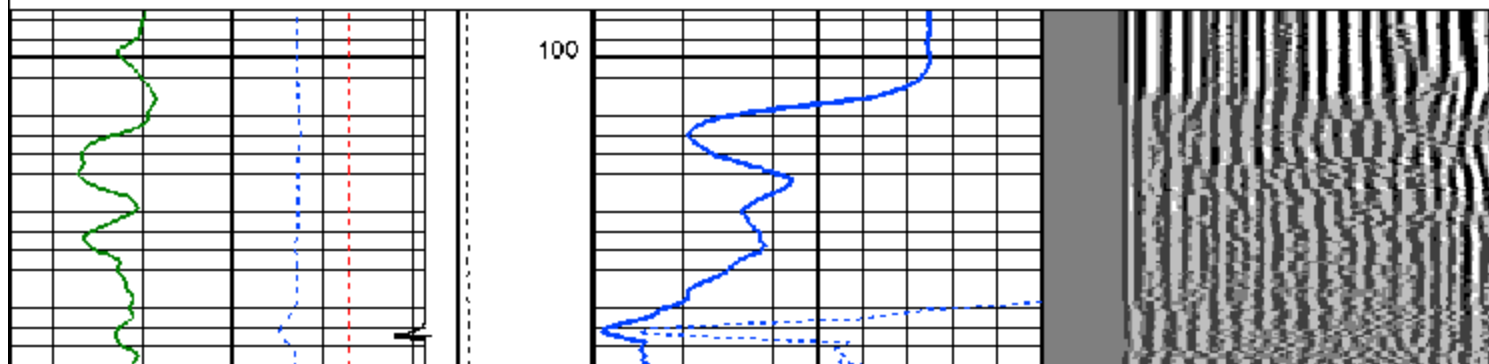
Good Band (GOBO)
(MV) 0 20

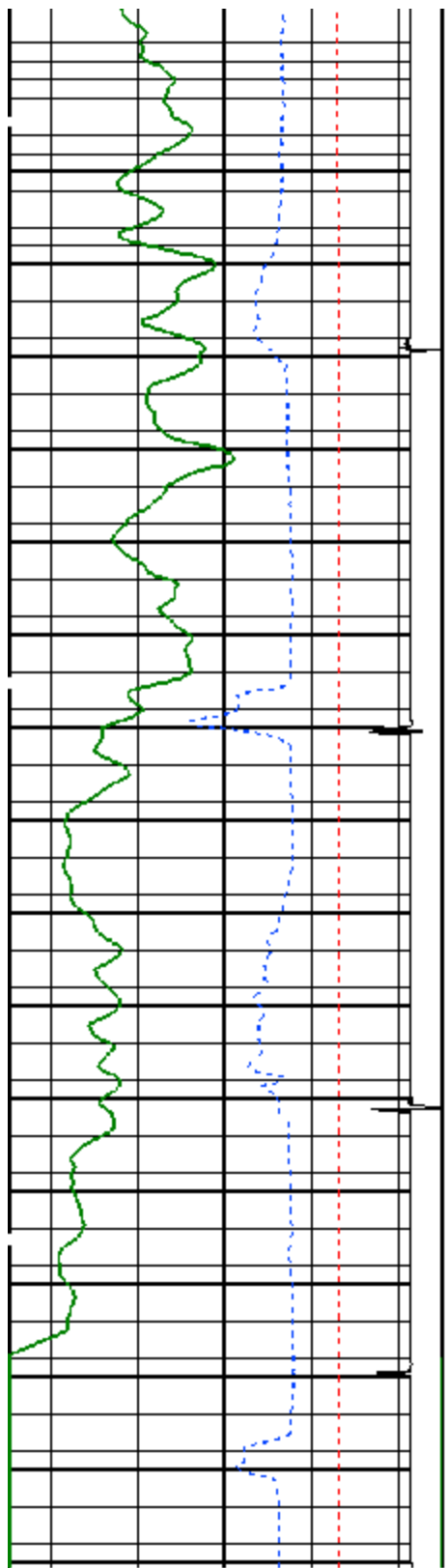
CBL Amplitude (CBL)
(MV) 0 100

Tension
(TENS)
(LBF) 0 2000

CBL Amplitude (CBL)
(MV) 0 20

Min Amplitude Max
VDL Variable Density (VDL)
(US) 200 1200





Cbl 3.ft Transit Time (TT)
(US)

400 200

Well Temperature (WTEP)
(DEGF)

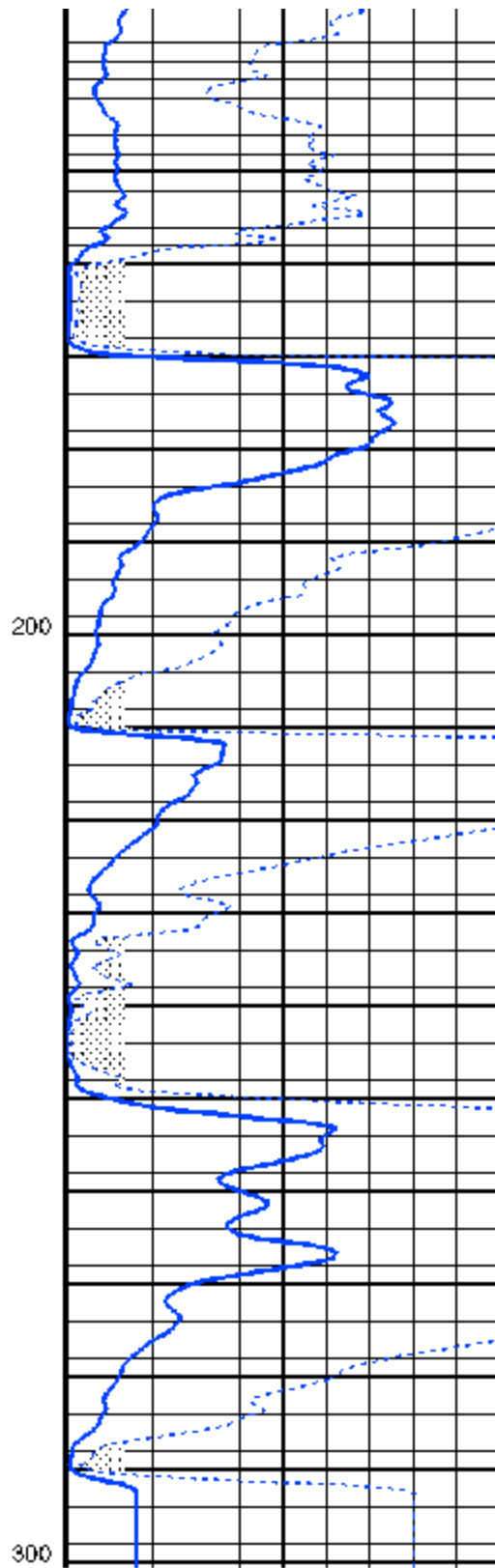
100 300

Discriminated CCL (CCLD)
(V)

12 -1

Gamma Ray (GR)
(GAPI)

0 150



Tension
(TENS)
(LBF)

200 300

CBL Amplitude (CBL)
(MV)

0 20

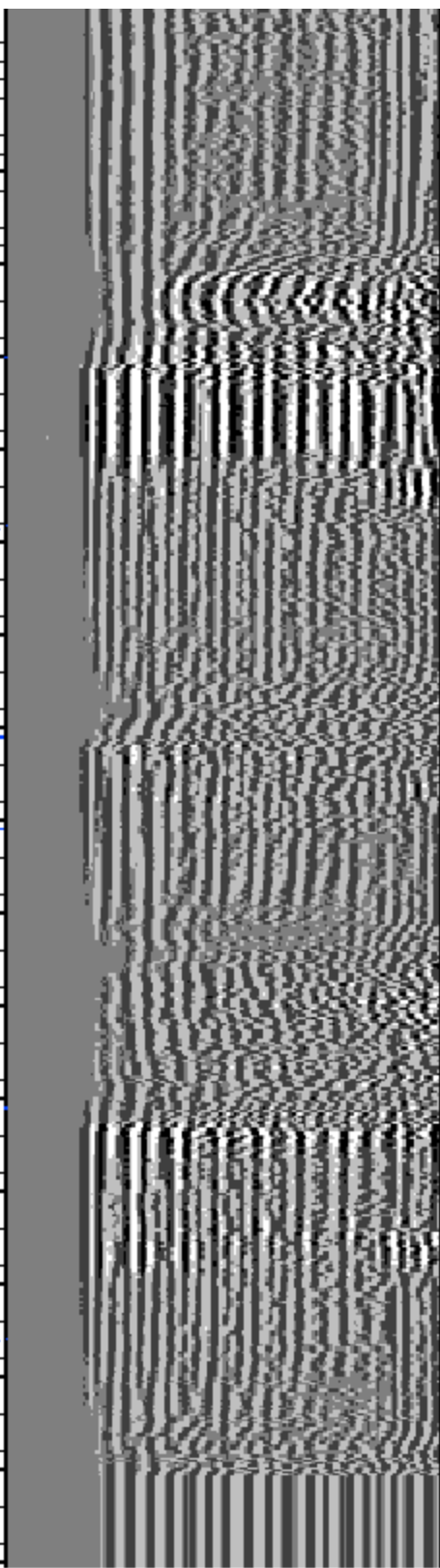
CBL Amplitude (CBL)
(MV)

0 100

Good Band (GOBO)
(MV)

0 20

> 80% BOND
From ACBL to GOBO



Min Amplitude Max

VDL Variable Density (VDL)
(US)

200 1200

PIP SUMMARY

Time Mark Every 60 S

Format: Sfmt_Amp_VDL Vertical Scale: 5" per 100'

Graphics File Created: 08-Sep-2008 14:50

OP System Version: 15C0-309

MCM

SCMT-CA

SRPC-3582-Q1_2008_OP15

PSPT-A/B

SRPC-3582-Q1_2008_OP15

Parameters

DLIS Name	Description	Value	
SCMT-CA: 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	238.059	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	352.059	US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20	MV
CBLG	CBL Gate Width	40	US
CBRA	CBL LOC Reference Amplitude In Free Pipe	71	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	0.306128	IN
DTF	Delta-T Fluid	189	US;F
FATT	Acoustic Attenuation due to Fluid	0	DB;F
FCF	CBL Fluid Compensation Factor	0.930926	
GOBO	Good Bond	2.63842	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0 Delay and Noise Gate	181.059	US
MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	13.848	DB;F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	4.75	FT
MMSA	MAP Minimum Sonic Amplitude	7.35072	MV
MSA	Minimum Sonic Amplitude	1.15842	MV
PEDE	Peak Detection On/Off Switch In Playback	OFF	
RBC	Relative Bearing Correction Allow/Disallow	ALLOW	
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)	212	DEGF
CSID	Casing Size I.D.	4.892	IN
GCSE	Generalized Caliper Selection	ES	
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	DB12	
PSTP	PSTC Tool Position on CAN Bus	1	
SHT	Surface Hole Temperature	68	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	5.500	IN
CWEI	Casing Weight	17.00	LB;F
DFD	Drilling Fluid Density	8.34	LB;G
FLEV	Fluid Level	0.00	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	-50000	FT
TDD	Total Depth - Driller	2571.00	FT
TDL	Total Depth - Logger	2484.00	FT
TWEG	Temperature of Connate Water Sample	189.00	DEGF

TWS		Temperature of Circulate Water Sample		100.00		DLMT	
Output DLIS Files							
DEFAULT	SCMT_PSP_007LUP	FN:6	PRODUCER	08-Sep-2008 14:50			
<div>Company: GENESIS GAS & OIL, LLC</div> <div>Well: FLETCHER GULCH 34-41</div> <div>Field: WILDCAT</div> <div>County: RIO BLANCO</div> <div>State: COLORADO</div> <div>Schlumberger</div> <div>CEMENT BOND LOG</div> <div>GAMMA RAY</div> <div>COLLAR/PRESSURE/TEMPERATURE</div>							