

Schlumberger

Company: Noble Energy, Inc.

Well: Rogers 13-32

Field: Wildcat

County: Cheyenne

State: Kansas

County: Cheyenne

Field: Wildcat

Location: Sec. 32, T5S, R39W

Well: Rogers 13-32

Company: Noble Energy, Inc.

CBL – VDL

GR – CCL

LOCATION

Sec. 32, T5S, R39W

SHL: 2100' FSL / 200' FWL

Elev.: K.B. 3567.00 ft

G.L. 3561.00 ft

D.F. 3566.00 ft

Permanent Datum: _____

Ground Level _____

Elev.: 3561.00 ft

Log Measured From: _____

Kelly Bushing _____

6.00 ft

above Perm. Datum

Drilling Measured From: _____

Kelly Bushing _____

API Serial No.

15-023-21315-000C

Section 32

Township 5S

Range 39W

		Run 1	Run 2	Run 3
PVT DATA				
Oil Density				
Water Salinity				
Gas Gravity				
Bo				
Bw				
1/Bq				
Bubble Point Pressure				
Bubble Point Temperature				
Solution GOR				
Maximum Deviation		0 deg		
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	22-Aug-2011			
Run Number	1			
Depth Driller	1540 ft			
Schlumberger Depth	1476 ft			
Bottom Log Interval	1468 ft			
Top Log Interval	0 ft			
Casing Fluid Type	Water			
Salinity				
Density	8.4 lbm/gal			
Fluid Level	0 ft			
BIT/CASING/TUBING STRING				
Bit Size	6.250 in			
From				
To				
Casing/Tubing Size	4.500 in			
Weight	10.5 lbm/ft			
Grade				
From				
To				
Maximum Recorded Temperatures	95 degF			
Logger On Bottom	22-Aug-2011		10:30	
Unit Number	383	Fort Morgan		
Recorded By	Shane Walker			
Witnessed By	Gerald Lauer			

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				

DISCLAIMER

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OTHER SERVICES1

OS1: Swab

OS2: Perf

OS3:

OS4:

OS5:

OTHER SERVICES2

OS1:

OS2:

OS3:

OS4:

OS5:

REMARKS: RUN NUMBER 1

REMARKS: RUN NUMBER 2

Log correlated to log ran by Schlumberger dated 9-Aug-2011

Perf interval 1328' – 1352'

Gun Length: 24', 3 SPF, 72 shots

120 deg phasing, EH .41", Pen 18.5", 16.5 grams

Thank you for choosing Schlumberger

Crew: Shane Walker, Roger Wiley

RUN 1

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

BEW4-00121
18C0-147
0 ft

LOGGED INTERVAL

START

STOP

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL

START

STOP

EQUIPMENT	DESCRIPTION
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99	...
100	...

RUN 1

RUN 2

SURFACE EQUIPMENT

WITM-A
PSC 16MHZ

DOWNHOLE EQUIPMENT

MH-22
MH-22

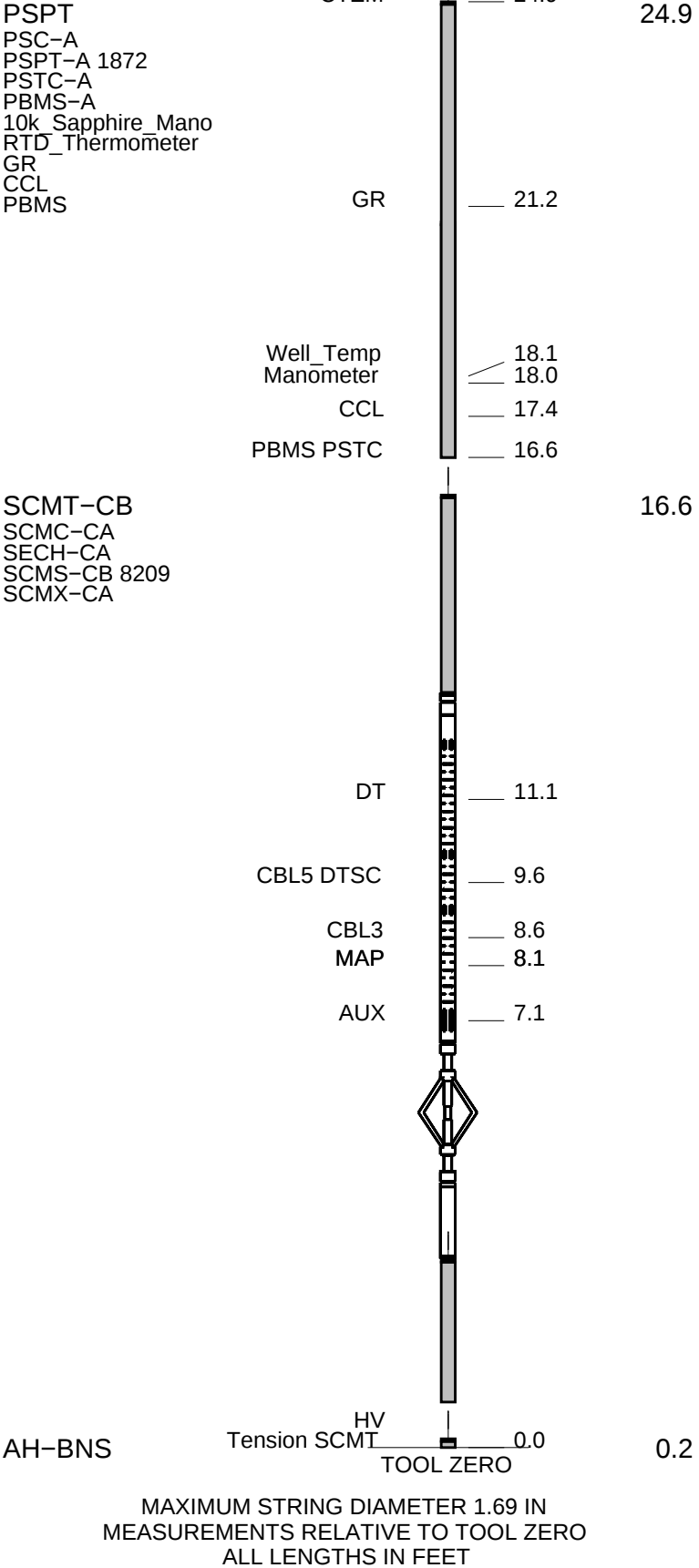
26.7

AH-38

Detail MT
TelStatus
CTFM

25.2

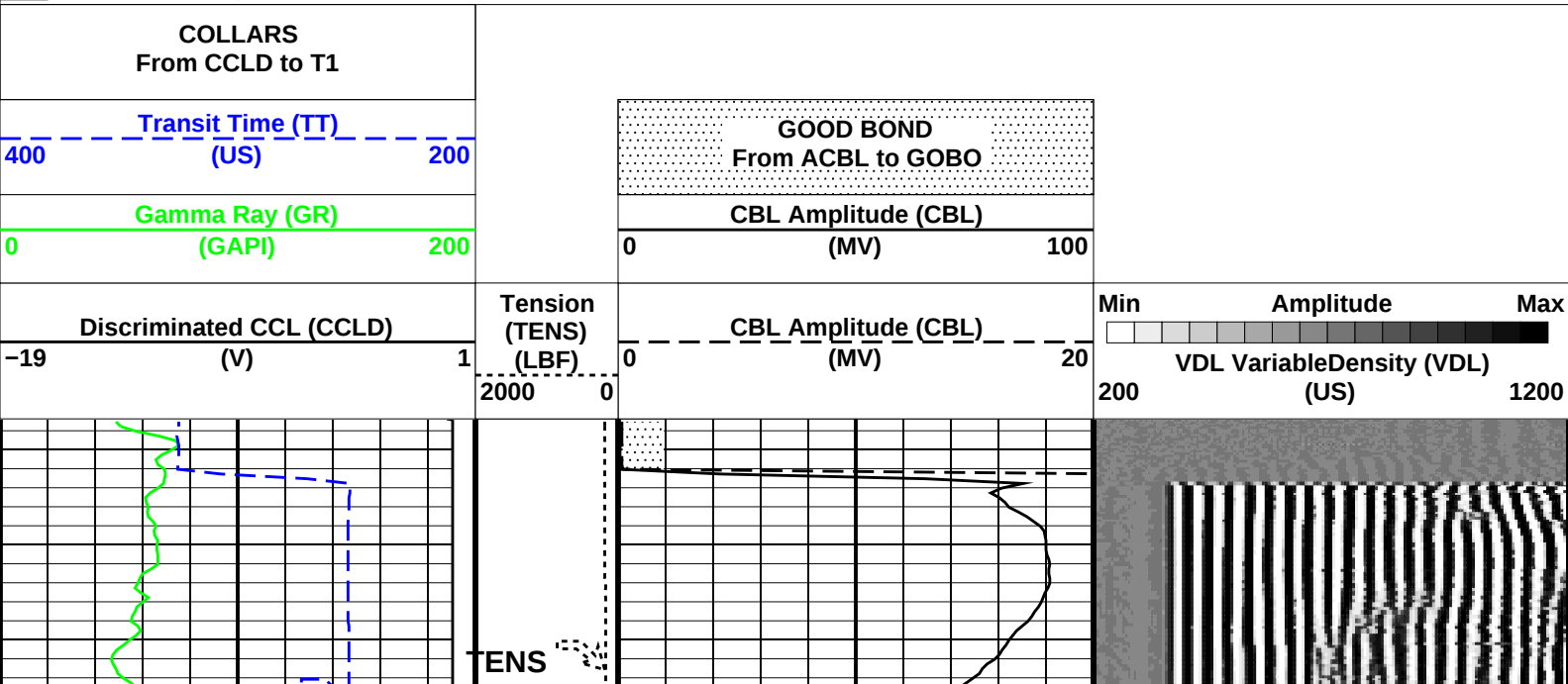
24.9

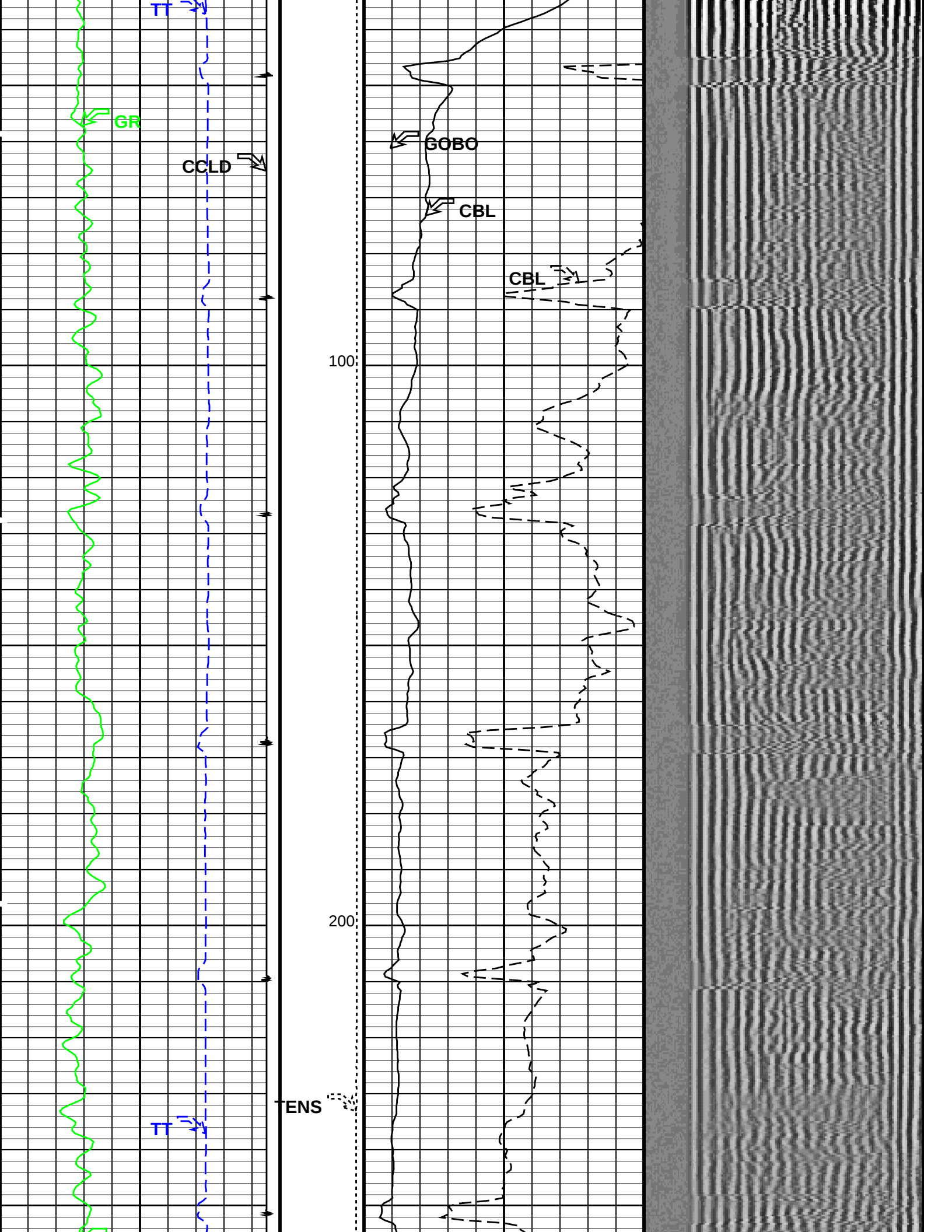


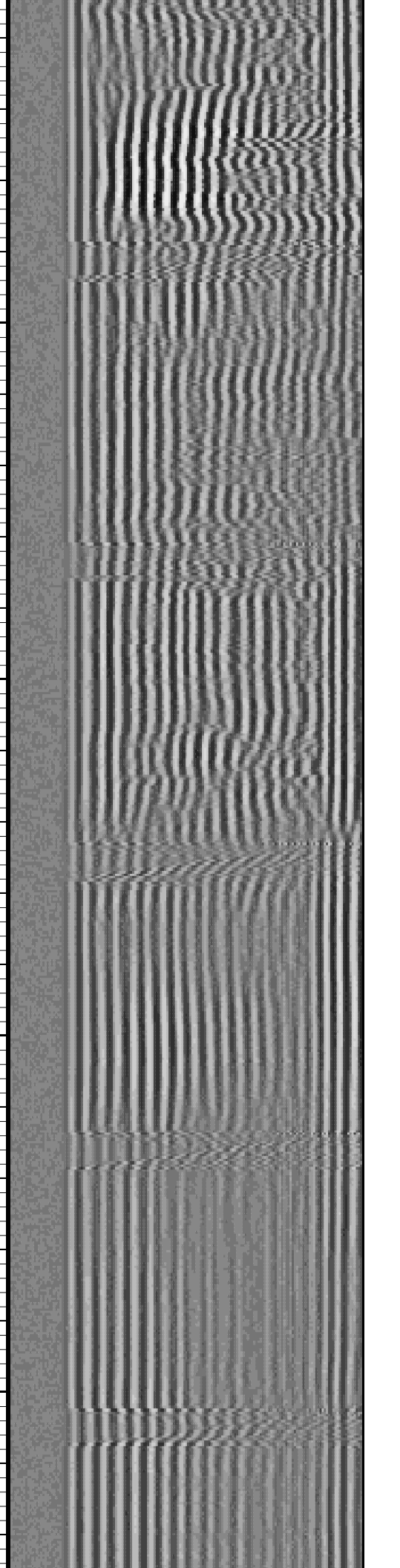
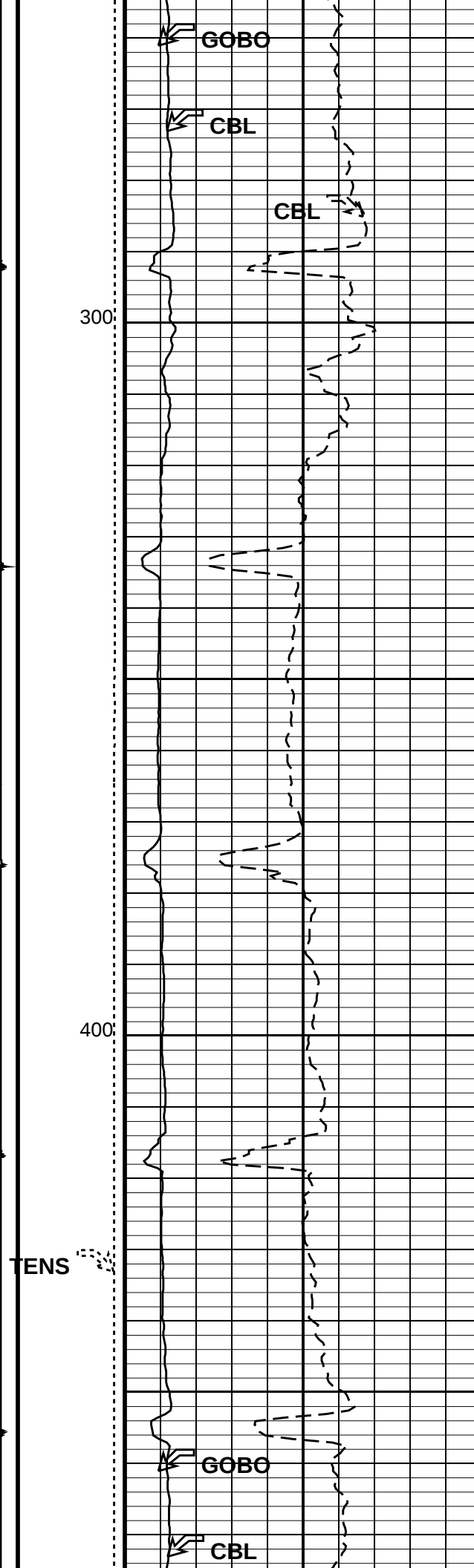
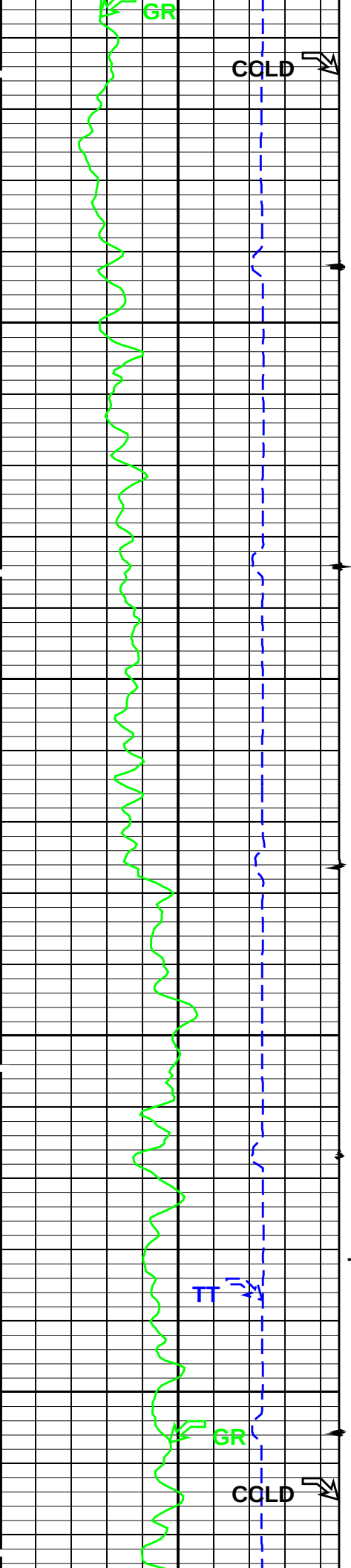
Input DLIS Files						
DEFAULT	SCMT_PSP_004LUP	FN:3	PRODUCER	22-Aug-2011 10:35	1487.5 FT	7.5 FT
Output DLIS Files						
DEFAULT	SCMT_PSP_006PUP	FN:5	PRODUCER	22-Aug-2011 11:02	1486.5 FT	6.5 FT

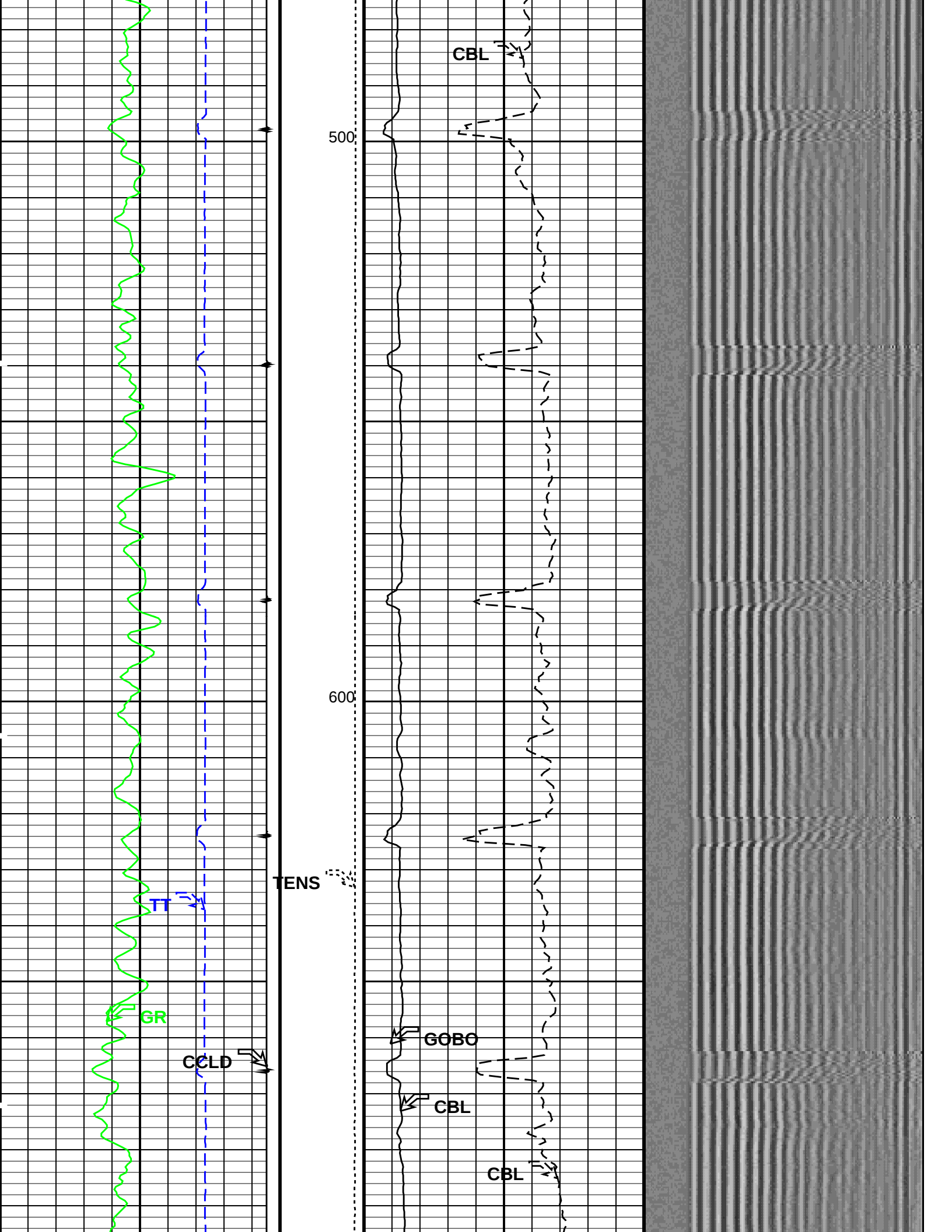
OP System Version: 18C0-147			
SCMT-CB	HFE-4028-IFLEX	PSPT	HFE-4028-IFLEX

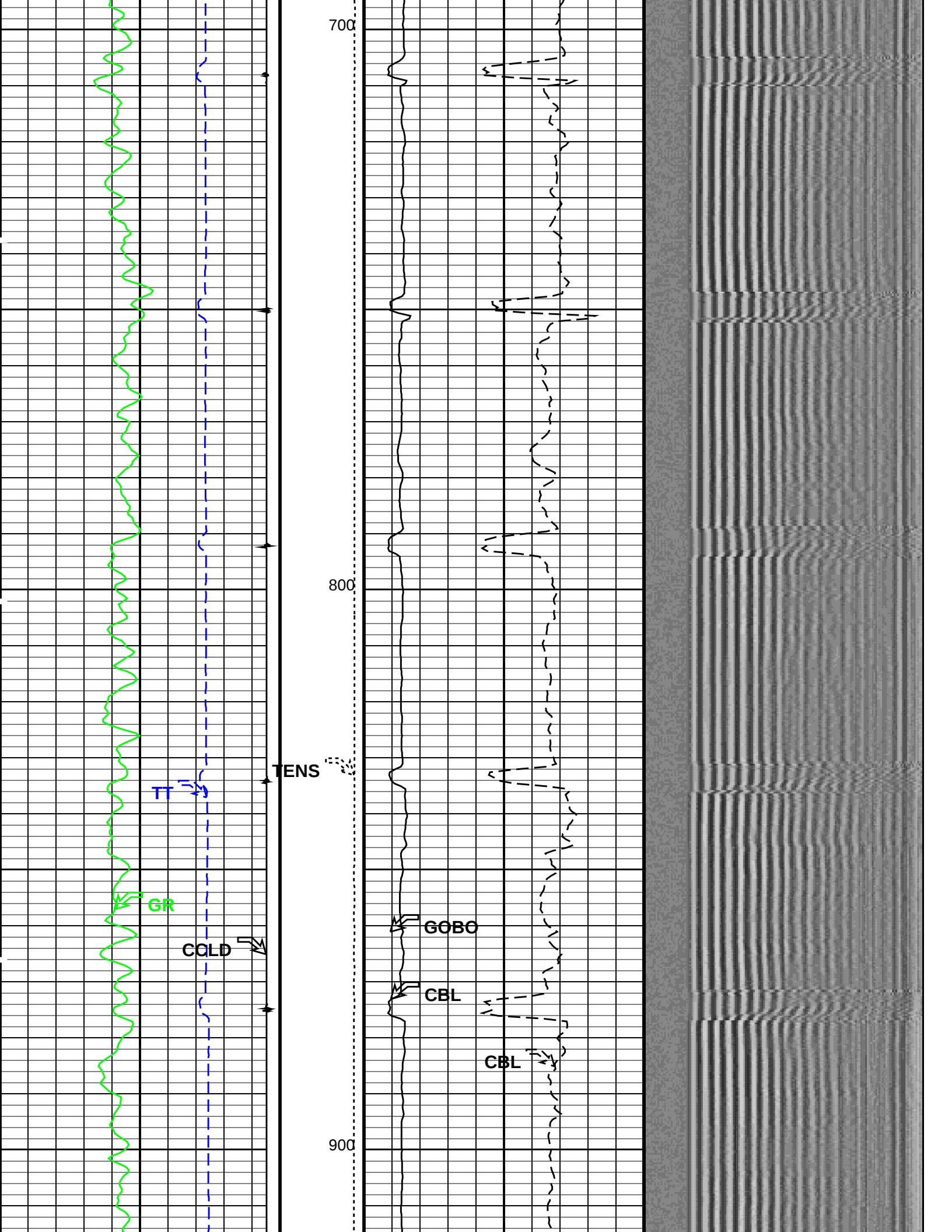
PIP SUMMARY	
Time Mark Every 60 S	

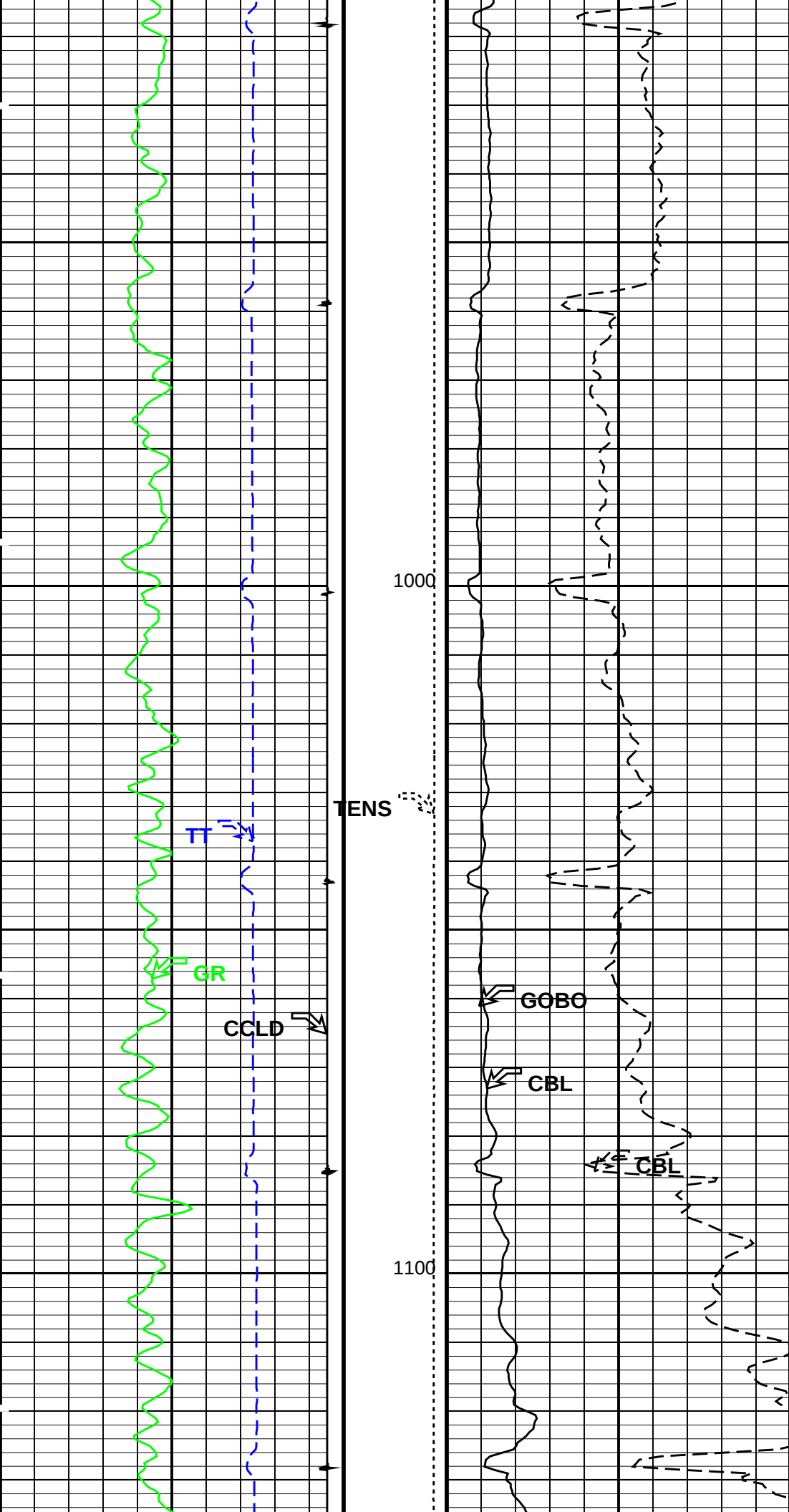


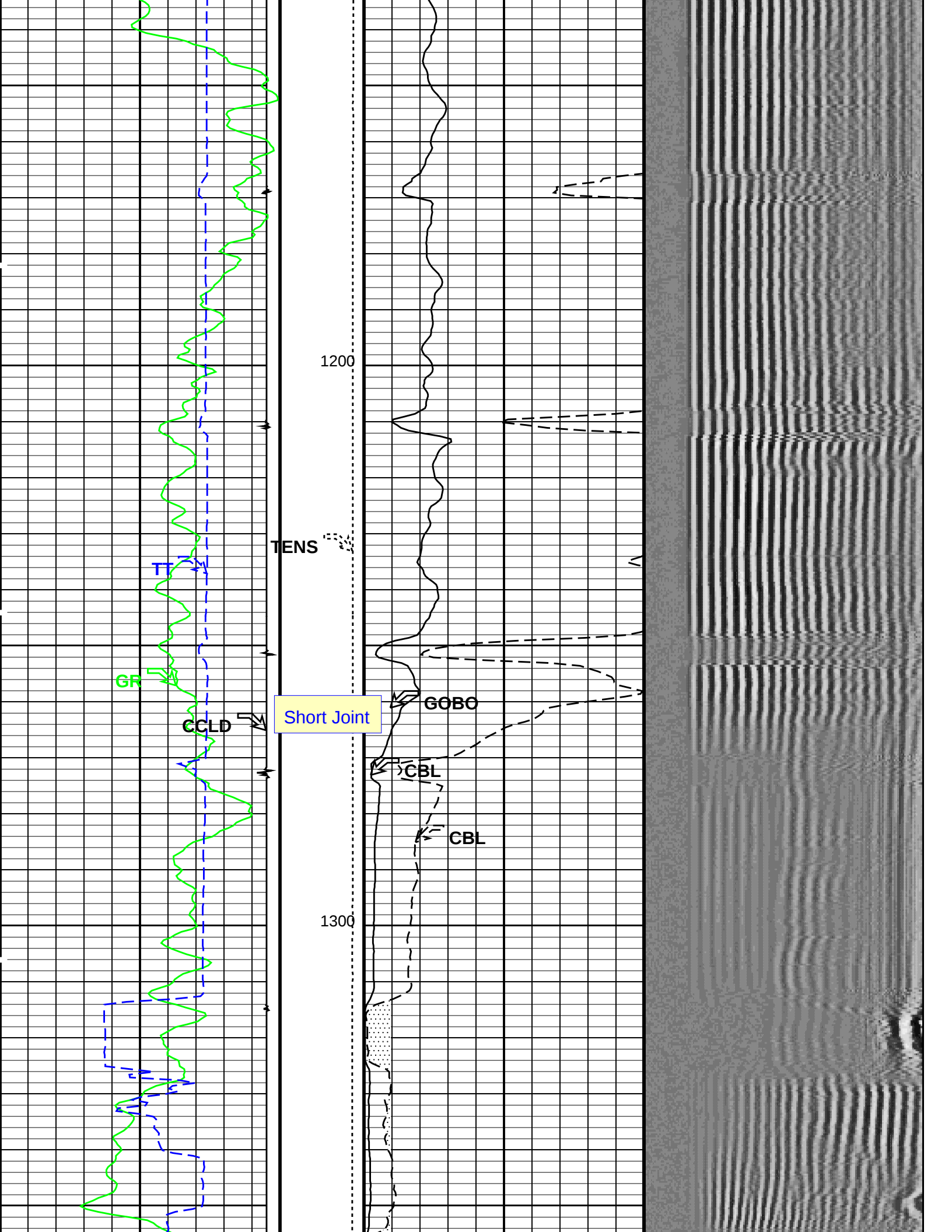


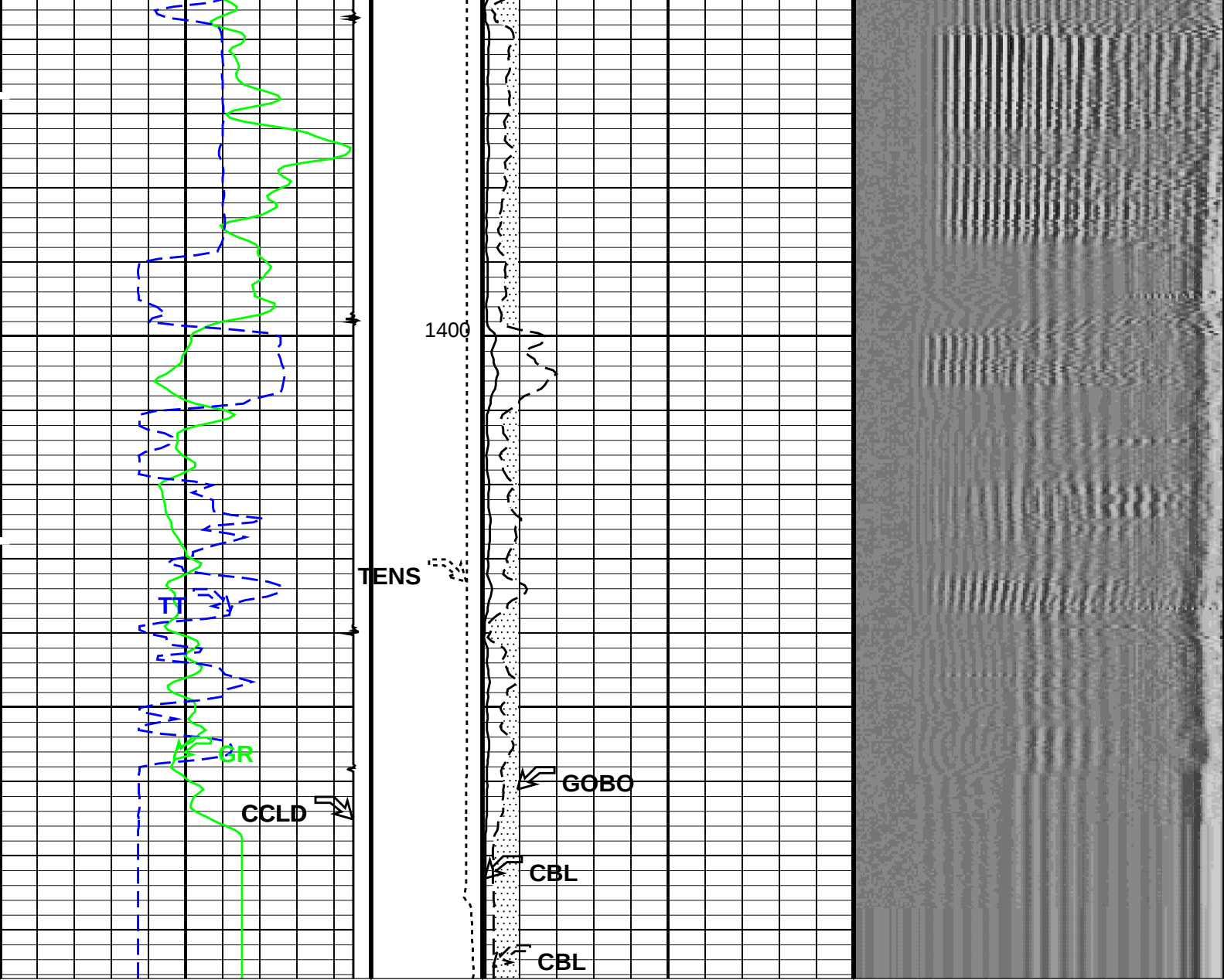












Discriminated CCL (CCLD) (V)	Tension (TENS) (LBF)	CBL Amplitude (CBL) (MV)	Min 200	Amplitude VARIABLE DENSITY (VDL) (US)	Max 1200
-19	2000	0			
1	0	20			
Gamma Ray (GR) (GAPI)		CBL Amplitude (CBL) (MV)			
0		0			
200		100			
Transit Time (TT) (US)					
400					
200					
COLLARS From CCLD to T1					

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
CB3D	SCMT CBL 3 ft Peak Detection Mode	PEAK
CB3G	SCMT CBL 3 ft Peak Detection T0_Delay and Noise Gate	225.329 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	339.329 US
CB5T	SCMT CBL 5 ft Fixed Threshold Level	20 MV
CBLC	CBL Gate Width	40 US

CBLG	CBL Gate Width	40	US
CBRA	CBL LQC Reference Amplitude in Free Pipe	79	MV
CMCF	CBL Cement Type Compensation Factor	1	
CMTC	SCMT Slow Channel Multiplexer Mode	SCAN	
CMTM	SCMT Operating Mode	LOG	
CSCS	SCMT Slow Channel Index	VCC	
CTHI	Casing Thickness	0.229988	IN
DTF	Delta-T Fluid	189	US/F
FATT	Acoustic Attenuation due to Fluid	0	DB/F
FCF	CBL Fluid Compensation Factor	1	
GOBO	Good Bond	0.945006	MV
MAPD	SCMT MAP Peak Detection Mode	PEAK	
MAPG	SCMT MAP Peak Detection T0_Delay and Noise Gate	168.329	US
MAPT	SCMT MAP Fixed Threshold Level	30	MV
MATT	Maximum Attenuation	18.4392	DB/F
MCCF	MAP Cement Type Compensation Factor	1	
MCI	Minimum Cemented Interval for Isolation	10	FT
MMSA	MAP Minimum Sonic Amplitude	2.94385	MV
MSA	Minimum Sonic Amplitude	0.312526	MV
PEDE	Peak Detection On/Off Switch in Playback	OFF	
VDLG	VDL Manual Gain	5	
ZCMT	Acoustic Impedance of Cement	6.8	MRAY
System and Miscellaneous			
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	10.50	LB/F
DFD	Drilling Fluid Density	8.40	LB/G
DO	Depth Offset for Playback	-1.0	FT
PP	Playback Processing	NORMAL	
TD	Total Depth	-50000	FT

Format: CBL_VDL Vertical Scale: 5" per 100' Graphics File Created: 22-Aug-2011 11:02

OP System Version: 18C0-147

SCMT-CB	HFE-4028-IFLEX	PSPT	HFE-4028-IFLEX
Input DLIS Files			
DEFAULT	SCMT_PSP_004LUP	FN:3 PRODUCER	22-Aug-2011 10:35 1487.5 FT 7.5 FT
Output DLIS Files			
DEFAULT	SCMT_PSP_006PUP	FN:5 PRODUCER	22-Aug-2011 11:02

Company: **Noble Energy, Inc.**

Schlumberger

Well: **Rogers 13-32**

Field: **Wildcat**

County: **Cheyenne**

State: **Kansas**

CBL - VDL

GR - CCL