

Company: Esso Australia Pty Ltd.

Well: FLA A25a

Field: Flounder

Rig: Prod 3 / Flounder Country: Australia

MPBT
Cement Bailers
28-Aug-2007

Rig: Prod 3 / Flounder
Field: Flounder
Location: Bass Strait
Well: FLA A25a
Company: Esso Australia Pty Ltd.

LOCATION			
Bass Strait		Elev.:	K.B. 40.8 m
Gippsland			G.L. -94 m
Basin			D.F. 40.8 m
Permanent Datum:		Mean Sea Level	Elev.: 40.8 m
Log Measured From:		Drill Floor	-40.8 m above Perm. Datum
Drilling Measured From:		Drill Floor	
State: Victoria	Max. Well Deviation 59.15 deg	Longitude 148° 06' 15.1"E	Latitude 38° 18'45.24"S

Logging Date	28-Aug-2007
Run Number	1
Depth Driller	3935 m
Schlumberger Depth	3561 m
Bottom Log Interval	3542 m
Top Log Interval	3541 .5 m
Casing Fluid Type	Produced Fluids
Salinity	
Density	
Fluid Level	
BIT/CASING/TUBING STRING	
Bit Size	9.875 in
From	816 m
To	3935 m
Casing/Tubing Size	7.625 in
Weight	29.7 lbm/ft
Grade	L-80
From	19.56 m
To	3903 m
Maximum Recorded Temperatures	
Logger On Bottom	28-Aug-2007
Unit Number	93
Recorded By	C.Rowand, B.Donahoe
Witnessed By	Mr M. Wilson

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		59.15 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				
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-AUG-2007 14:11:26

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-H	Type:	CMTD-B/A	Type:	2-32ZT
Serial Number:	797	Serial Number:	1721	Serial Number:	24016
Calibration Date:	11-May-2007	Calibration Date:	15-Aug-2007	Length:	5230.06 M
Calibrator Serial Number:	1	Calibrator Serial Number:	1173		
Calibration Cable Type:	2-32ZT	Calibration Gain:	0.89	Conveyance Method:	Wireline
Wheel Correction 1:	-3	Calibration Offset:	-731.00	Rig Type:	Offshore_Fixed
Wheel Correction 2:	-1				

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	Solar composite
Reference Log Run Number:	
Reference Log Date:	30-Jan-2004

Depth Control Remarks

- | |
|---|
| <ol style="list-style-type: none">1. Log referenced to Solar Composite Log provided by Esso.2. Correlated to the RST Log of 25–Aug–20073.4.5.6. Tool zeroed in Toolcatcher at 0 M. |
|---|

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OTHER SERVICES1	OTHER SERVICES2
OS1: RST	OS1:
OS2: 2-1/8" Phased	OS2:
OS3: Powerjet	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1
Referenced to Esso Solar Composite Log of 30-Jan-2004 provided by client.
Correlated to RST-C Sigma Log of 25-Aug-2007
Run Dummy Plug as drift run to 3548m MDKB.
Run MPBT and set 7-5/8" plug at 3542m (Top Seal Element at 3542.5m) MDKB.
Run 2 x 32 ft bailer runs, 1 water and 1 cement.
Dumping 0.65m of cement.

MPEX-DA H405320
MPEX-DA

3.20

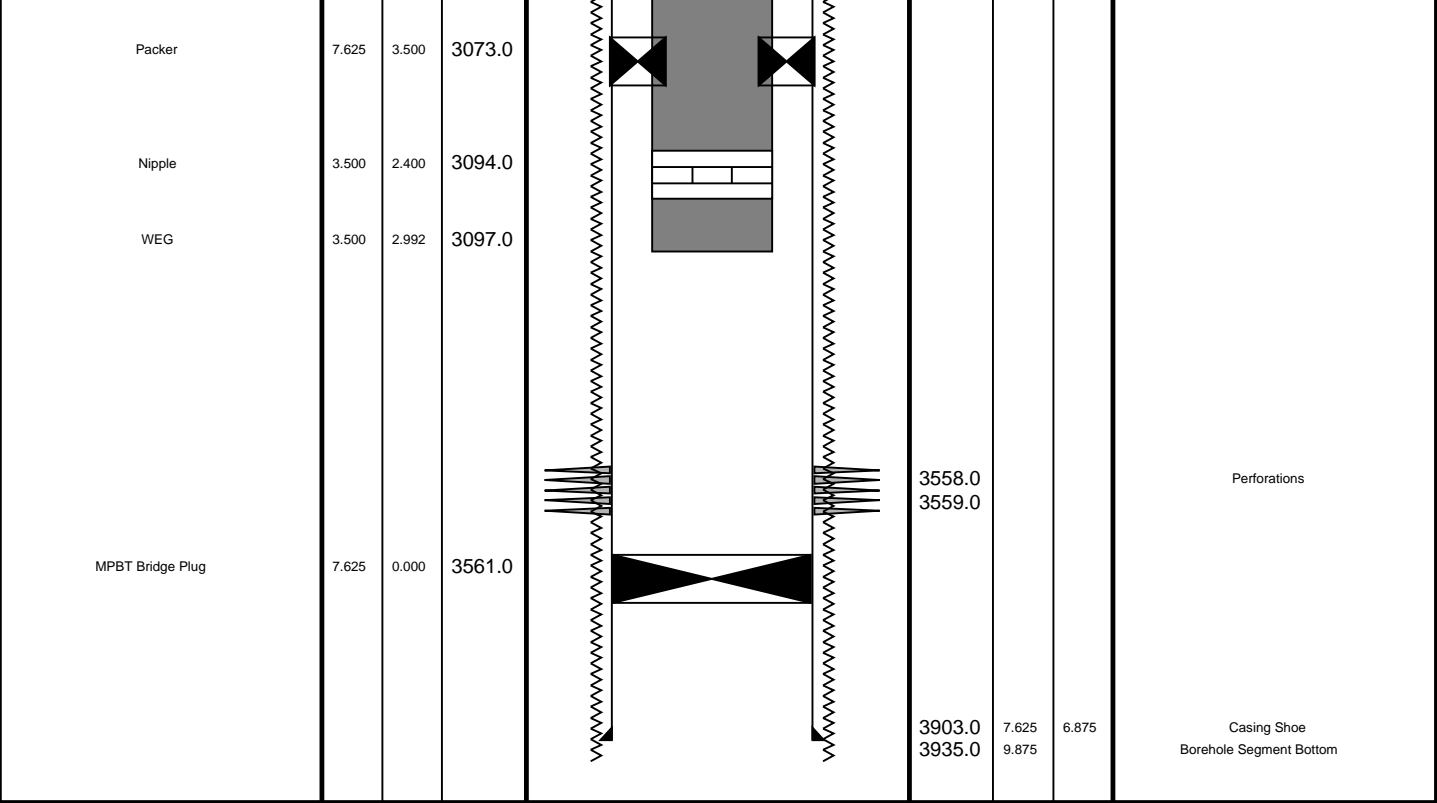
TOOL BOTTOM

MAXIMUM STRING DIAMETER 2.13 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

TOOL BOTTOM

MAXIMUM STRING DIAMETER 2.13 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing Hanger	7.625	3.500	19.0		19.0	10.750	Casing String	
Tubing	3.500	2.992				7.625	6.875	Casing String
SSSV	3.500	2.750	449.0		786.0	10.750		Casing Shoe
					816.0	9.875		9-7/8" Bit Size
Side Pocket Mandrel	3.500	2.800	1043.0					
Side Pocket Mandrel	3.500	2.810	1786.0					
Side Pocket Mandrel	3.500	2.800	2084.0					
Nipple	3.500	2.750	2100.0					



Bailer Run 2

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
Bailer#1 Cement	Used	3542.0	3542.1	Wed Aug 29 12:46:30 2007

Output DLIS Files

DEFAULT PERFO_096PUP FN:111 PRODUCER 29-Aug-2007 13:11 3531.6 M 3488.1 M

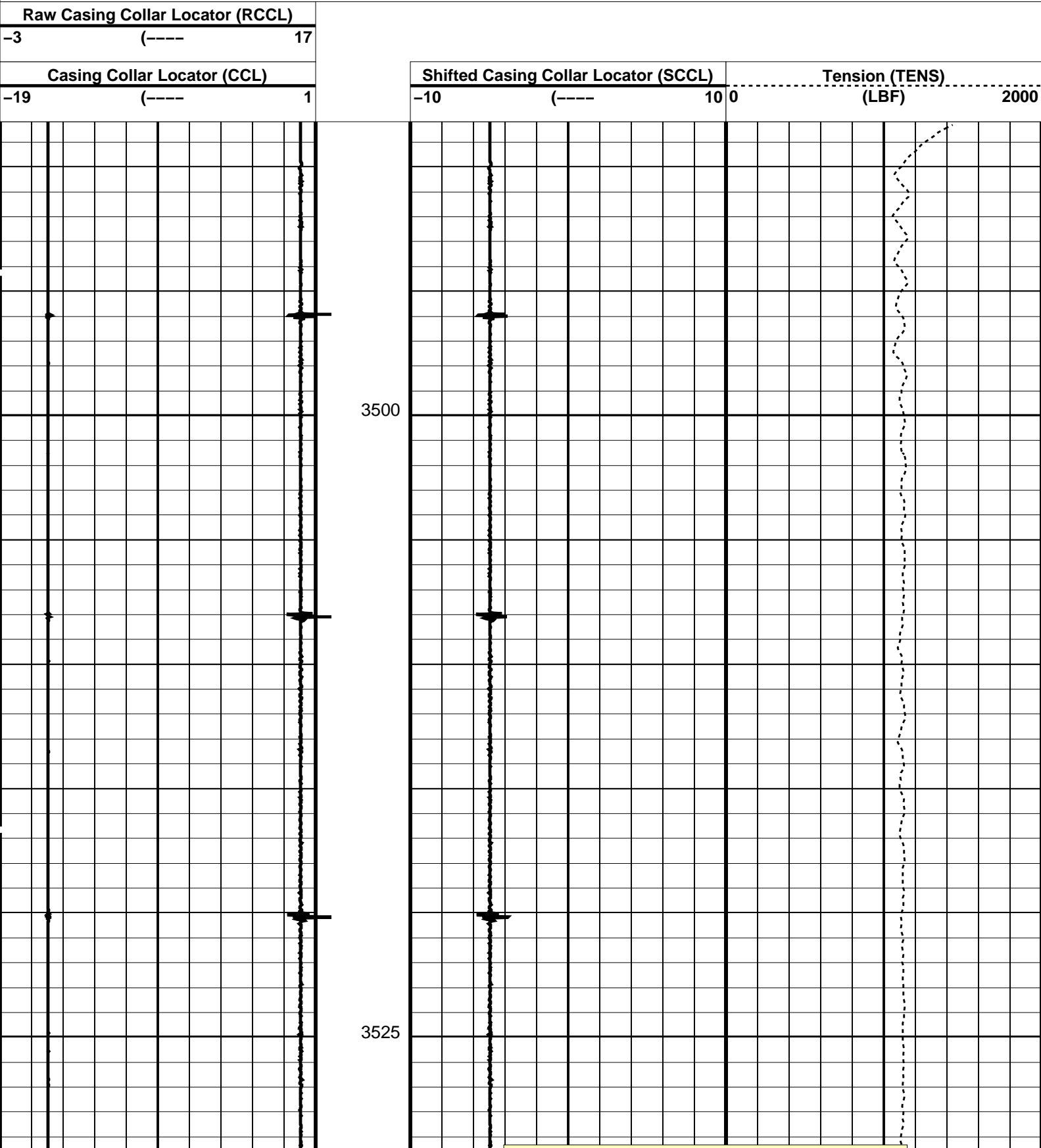
OP System Version: 15C0-309
MCM

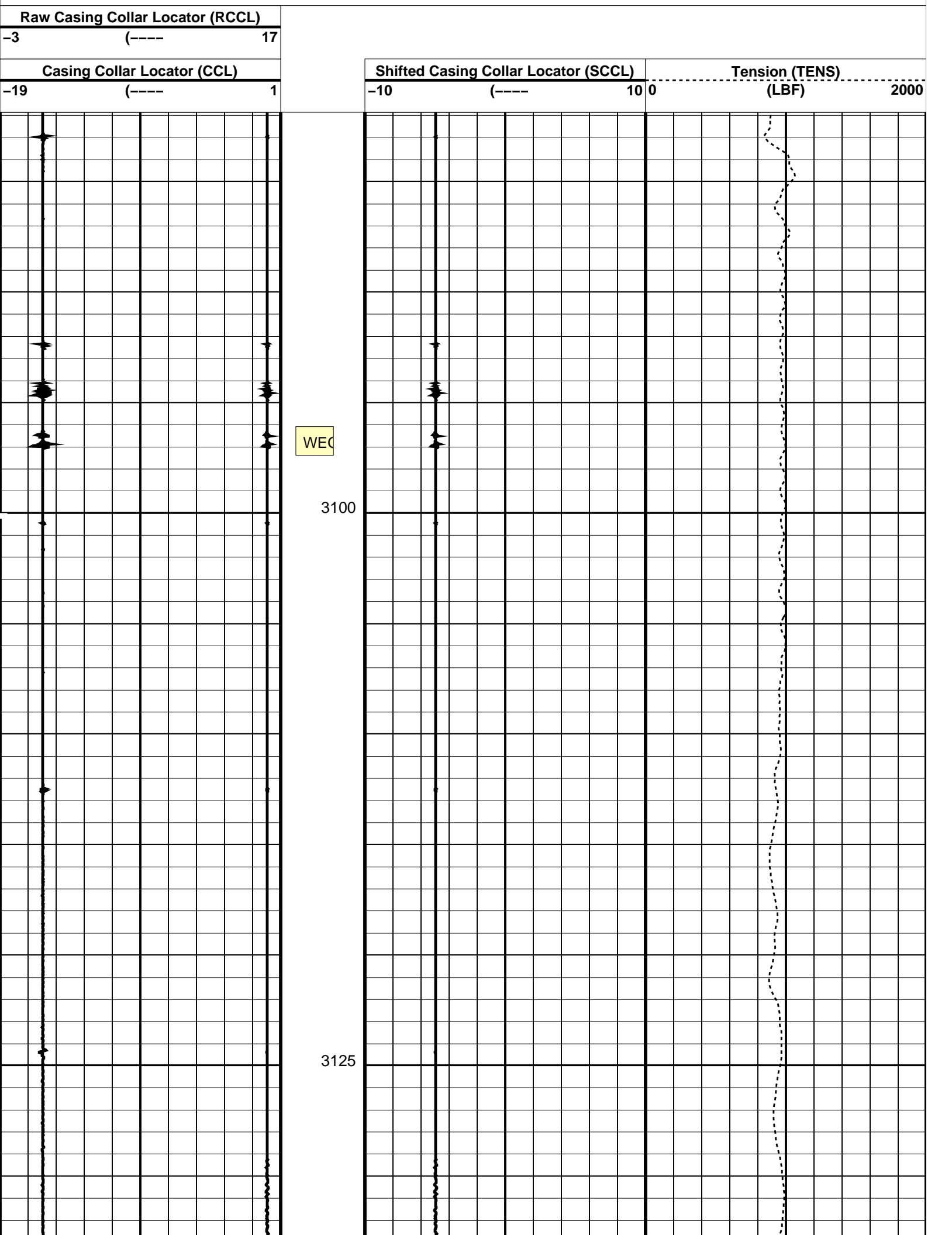
SHM_GUN 15C0-309 CCL-L 15C0-309

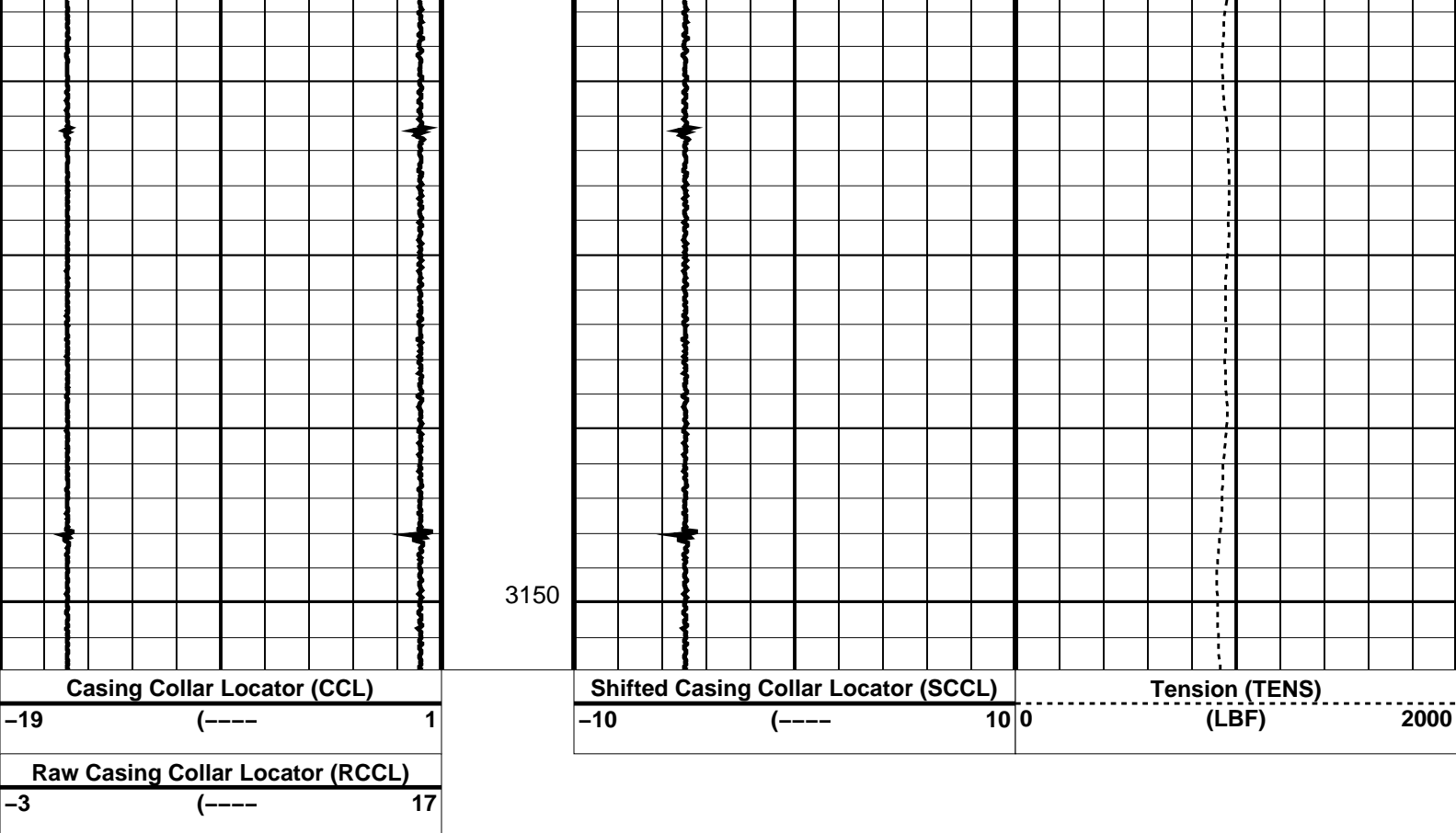
PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.9 V
DO	CCL Detection Level	0.0 M
PP	System and Miscellaneous	NORMAL
	Depth Offset for Playback	
	Playback Processing	

Format: CCLLog Vertical Scale: 1:200 Graphics File Created: 29-Aug-2007 13:07

OP System Version: 15C0-309

MCM

SHM_GUN 15C0-309 CCL-L 15C0-309

Input DLIS Files

DEFAULT Flip_PERFO_095LUP PRODUCER 29-Aug-2007 13:02 3525.0 M 3081.4 M

Output DLIS Files

DEFAULT PERFO_095PUP FN:109 PRODUCER 29-Aug-2007 13:07

Schlumberger

Bailer Run 1

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
Bailer	Used	3541.5	3541.5	Wed Aug 29 09:49:25 2007
Water				

Company: Esso Australia Pty Ltd.

Well: FLA A25a

Output DLIS Files

DEFAULT	PERFO_094LUP	FN:100	PRODUCER	29-Aug-2007 09:46	3536.7 M	3494.1 M
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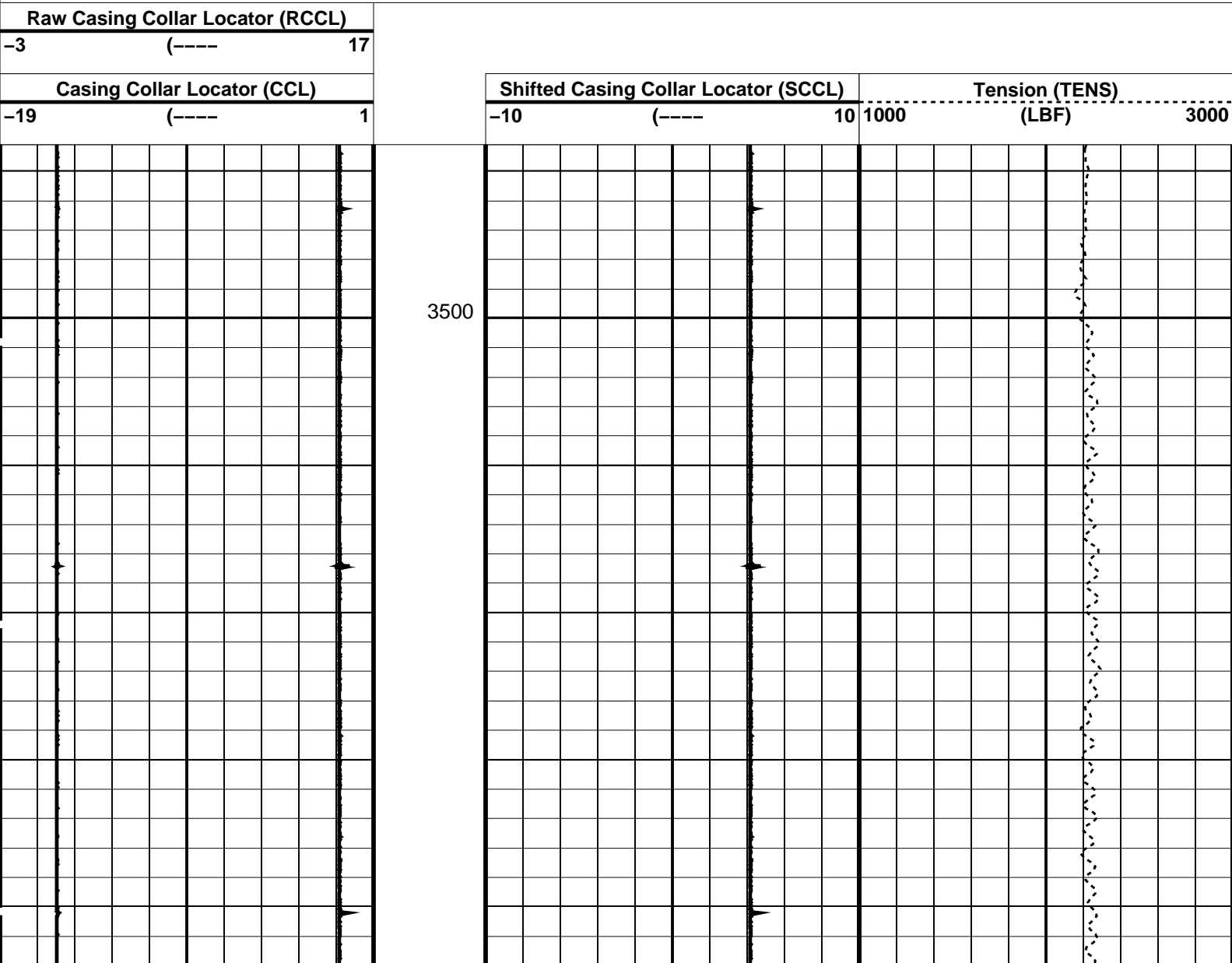
OP System Version: 15C0-309
MCM

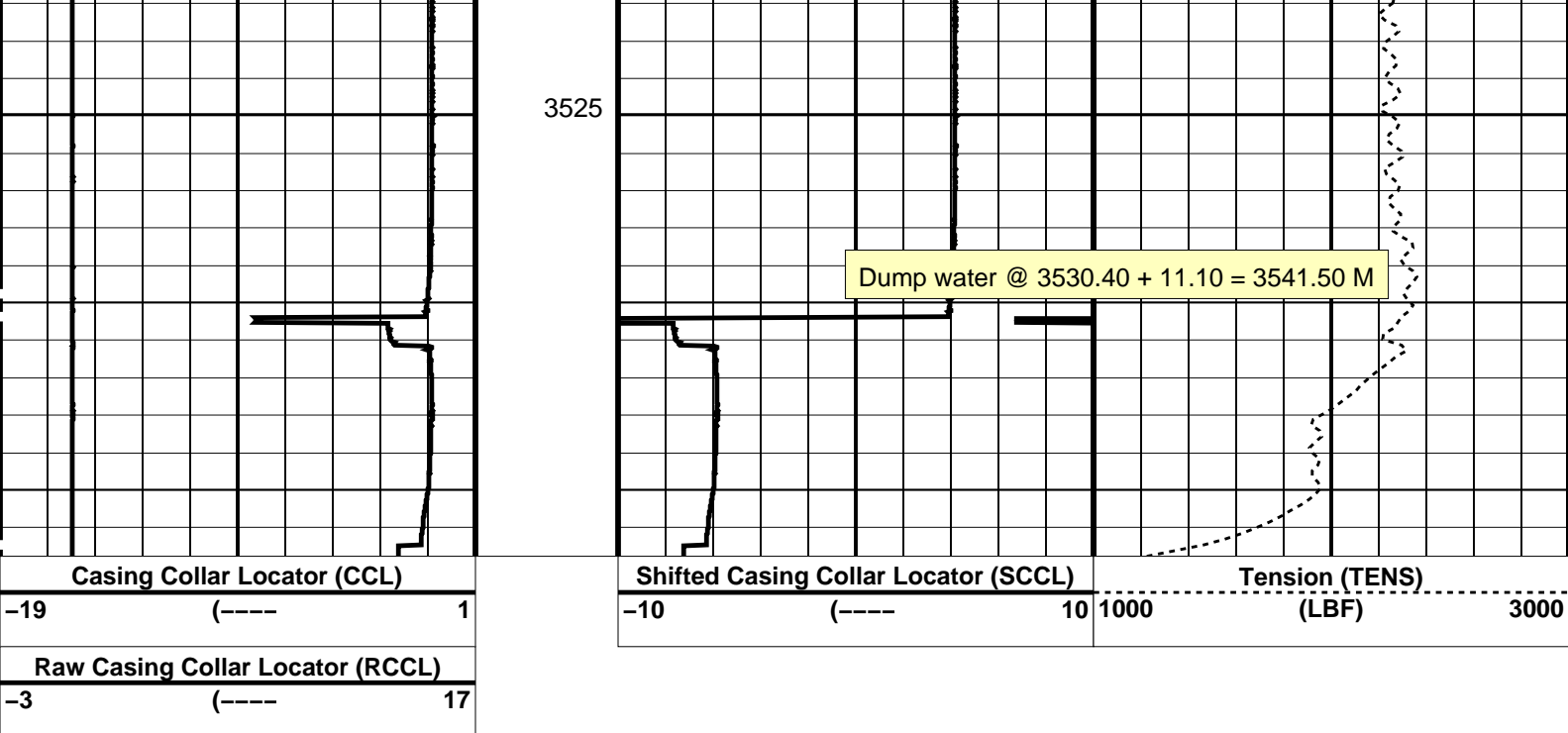
SHM_GUN	15C0-309	CCL-L	15C0-309
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PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Parameters		
DLIS Name	Description	Value
CCL-L: Casing Collar Locator		
CCLD	CCL reset delay	12 IN
CCLT	CCL Detection Level	0.9 V

Format: CCLLog Vertical Scale: 1:200 Graphics File Created: 29-Aug-2007 09:46

OP System Version: 15C0-309

MCM

SHM_GUN 15C0-309 CCL-L 15C0-309

Output DLIS Files		
DEFAULT	PERFO_094LUP	FN:100 PRODUCER 29-Aug-2007 09:46

Bailer Run 1 Tag Plug

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: FLA A25a

Input DLIS Files		
DEFAULT	PERFO_093LUP	FN:99 PRODUCER 29-Aug-2007 09:36 3541.9 M 3493.6 M

Output DLIS Files		
DEFAULT	PERFO_093PUP	FN:102 PRODUCER 29-Aug-2007 10:57 3534.0 M 3495.0 M

OP System Version: 15C0-309

MCM

SHM_GUN

15C0-309

CCL-L

15C0-309

PIP SUMMARY

Casing Collars

Time Mark Every 60 S



PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Parameters

DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	
CCLT	CCL reset delay	12 IN
	CCL Detection Level	0.9 V
DO	System and Miscellaneous	
PP	Depth Offset for Playback	0.9 M
	Playback Processing	NORMAL

Format: CCLLog Vertical Scale: 1:200 Graphics File Created: 29-Aug-2007 10:57

OP System Version: 15C0-309

MCM

SHM_GUN	15C0-309	CCL-L	15C0-309
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Input DLIS Files

DEFAULT	PERFO_093LUP	FN:99	PRODUCER	29-Aug-2007 09:36	3541.9 M	3493.6 M
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Output DLIS Files

DEFAULT	PERFO_093PUP	FN:102	PRODUCER	29-Aug-2007 10:57		
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Schlumberger

Bailer 1 Correlation to WEG

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: FLA A25a

Output DLIS Files

DEFAULT	PERFO_092LUP	FN:98	PRODUCER	29-Aug-2007 09:21	3128.9 M	3070.3 M
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OP System Version: 15C0-309

MCM

SHM_GUN	15C0-309	CCL-L	15C0-309
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PIP SUMMARY

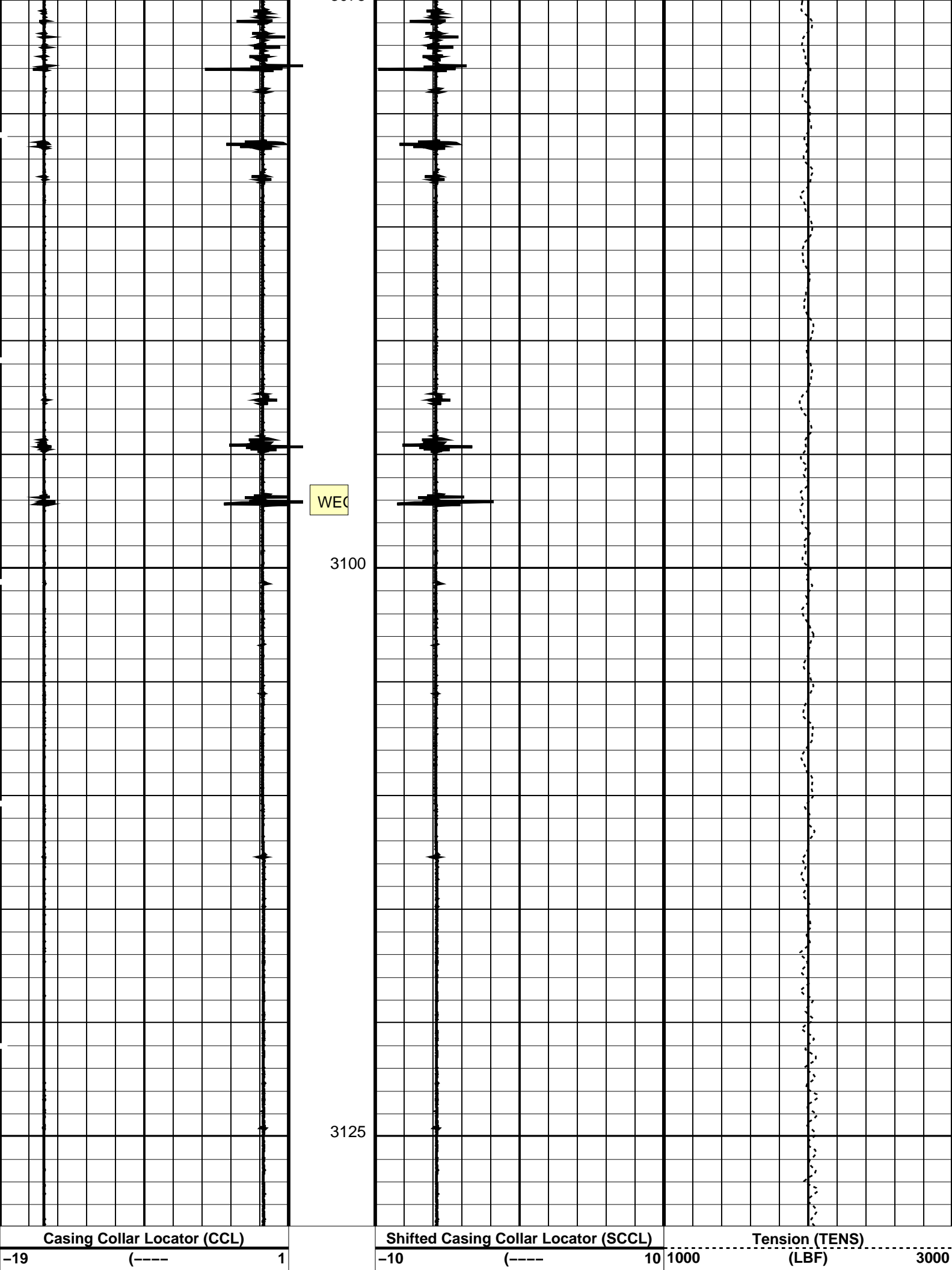
Time Mark Every 60 S

Casing Collars

Raw Casing Collar Locator (RCCL)			
-3	(---- 17		
Casing Collar Locator (CCL)			
-19	(---- 1		

Shifted Casing Collar Locator (SCCL)		Tension (TENS)	
-10	(---- 10	1000	(LBF) 3000

3075



Raw Casing Collar Locator (RCCL)	
-3 (---- 17	

PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Parameters		
DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.9 V
	CCL Detection Level	
Format: CCLLog Vertical Scale: 1:200		Graphics File Created: 29-Aug-2007 09:21

OP System Version: 15C0-309

MCM

SHM_GUN15C0-309CCL-L15C0-309

Output DLIS Files		
DEFAULT	PERFO_092LUP	FN:98 PRODUCER 29-Aug-2007 09:21

Schlumberger

MPBT Log Out Position

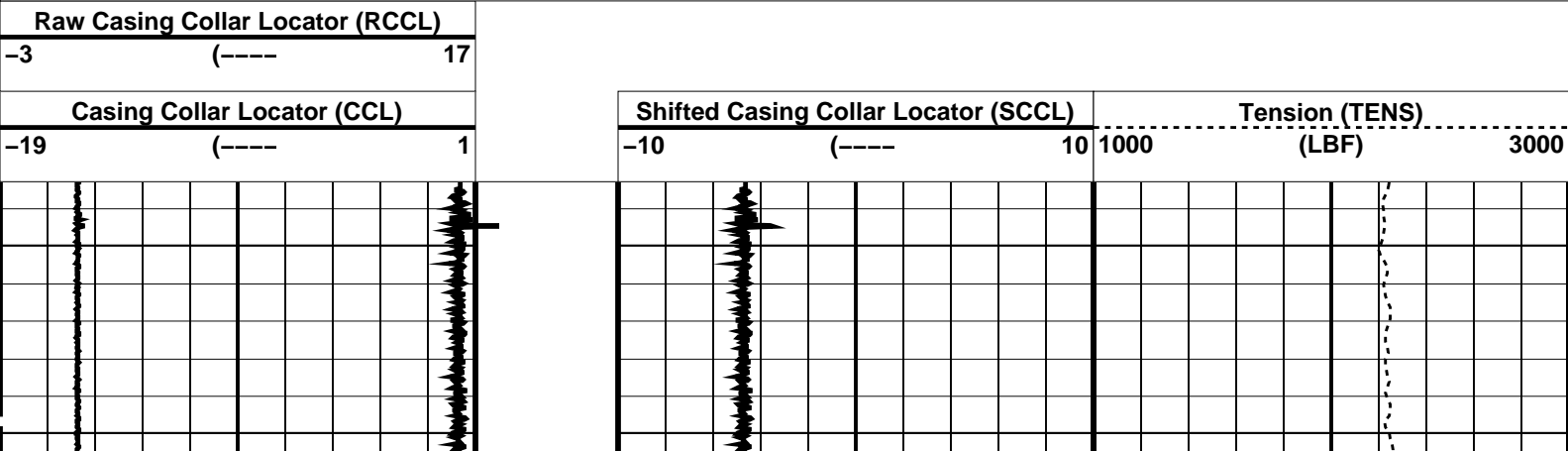
MAXIS Field Log

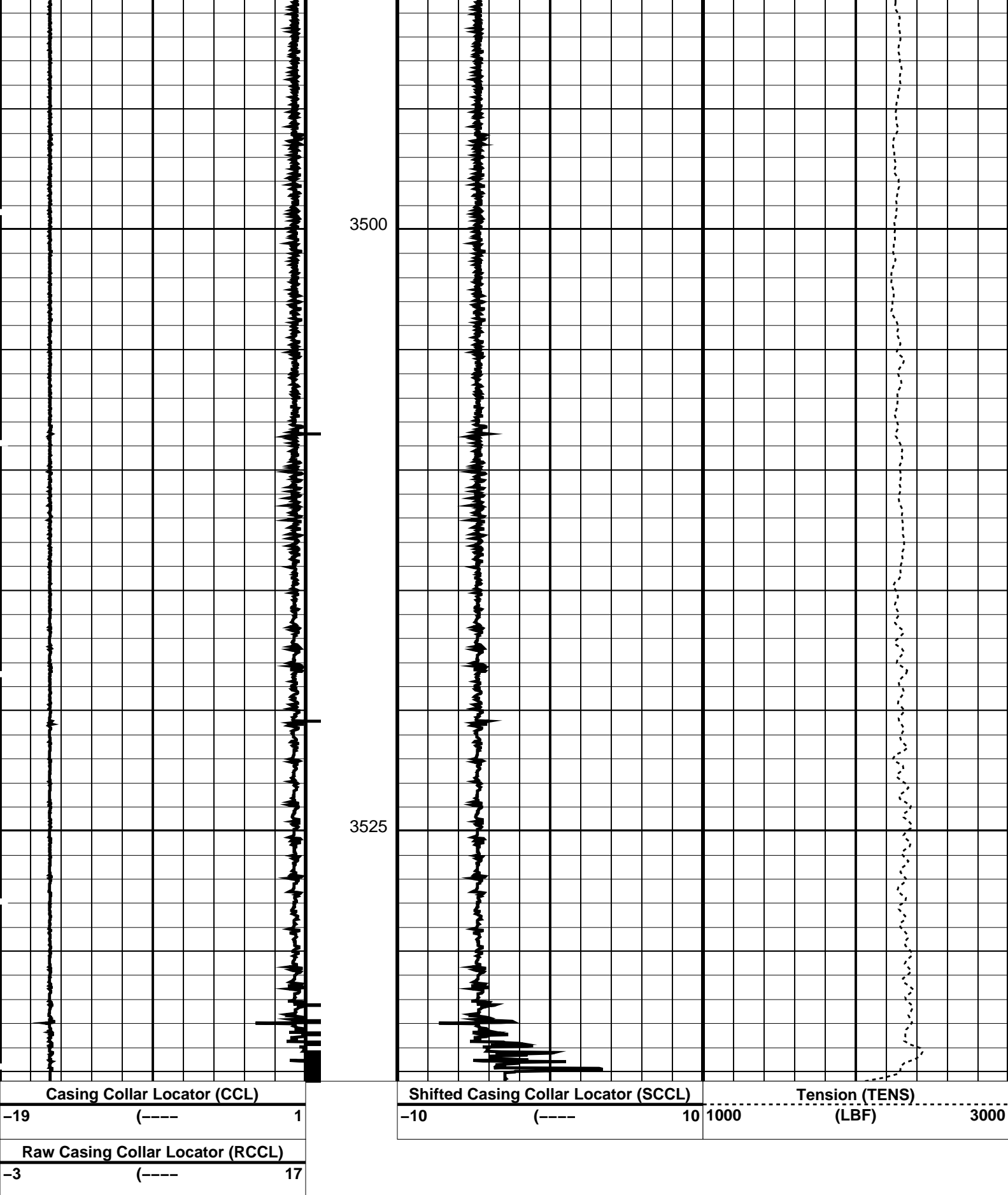
Company:				Well:	
Output DLIS Files					
DEFAULT	CCL_082LUP	FN:88	PRODUCER	28-Aug-2007 18:13	
OP System Version: 15C0-309					
MCM					
MPEX-DA	15C0-309	MPSU-CA		15C0-309	
CCL-L	15C0-309				

PIP SUMMARY

Time Mark Every 60 S

Casing Collars





PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
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CCLD
CCLT

CCL-L: Casing Collar Locator
CCL reset delay
CCL Detection Level

12
0.9

IN
V

Format: CCLLog Vertical Scale: 1:200 Graphics File Created: 28-Aug-2007 18:13

OP System Version: 15C0-309
MCM

MPEX-DA 15C0-309 MPSU-CA 15C0-309
CCL-L 15C0-309

Output DLIS Files

DEFAULT CCL_082LUP FN:88 PRODUCER 28-Aug-2007 18:13

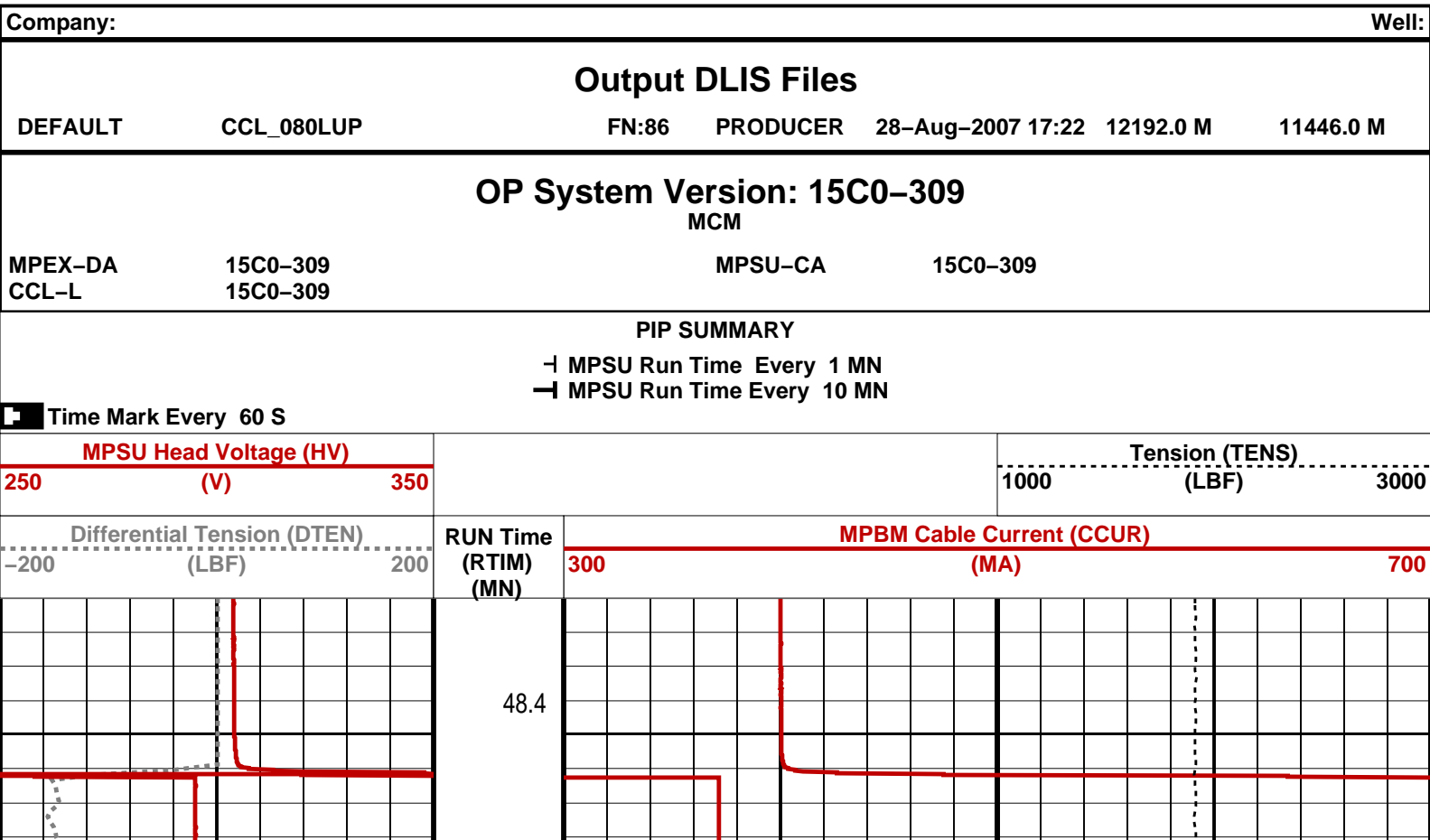
Schlumberger

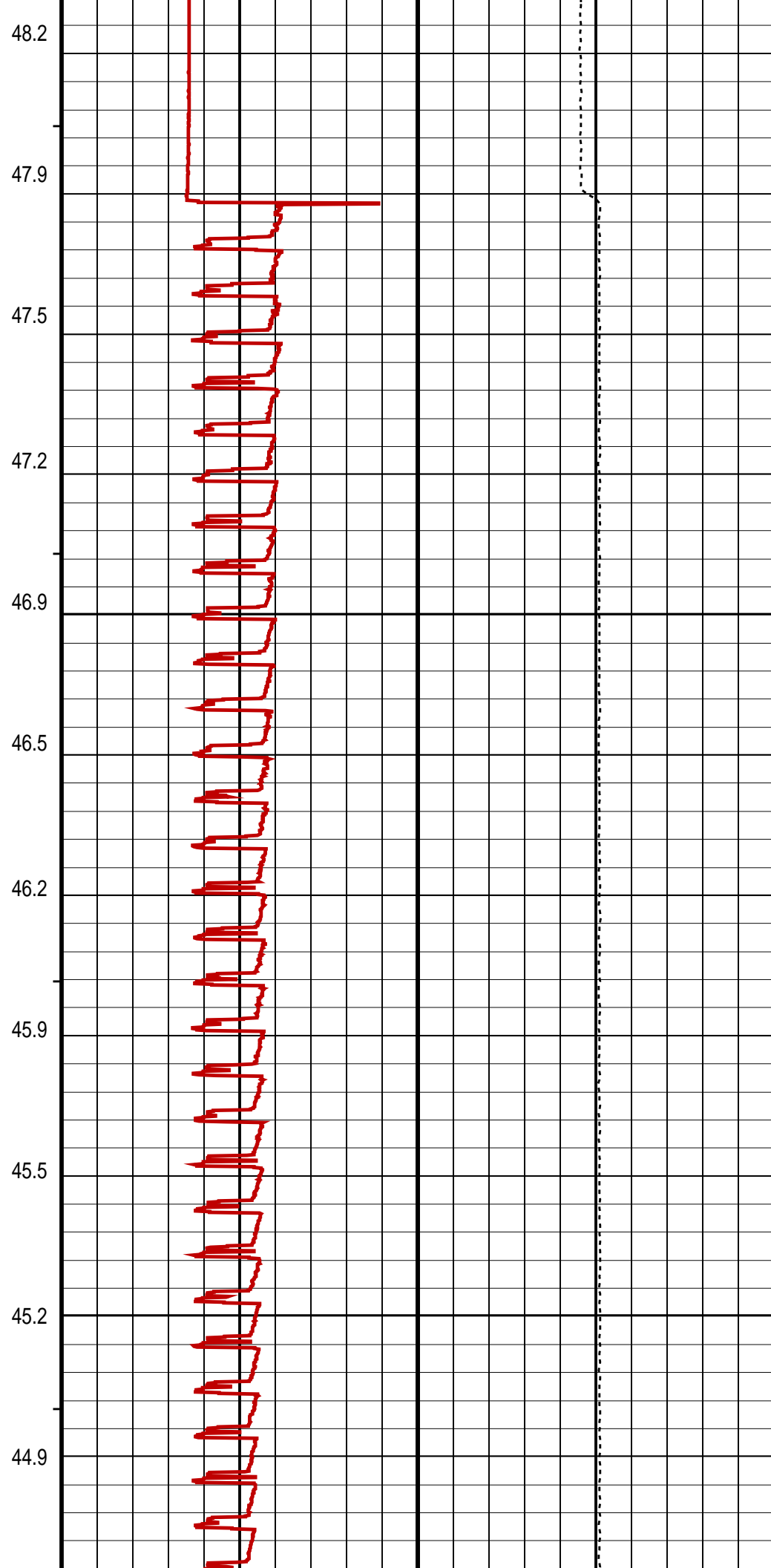
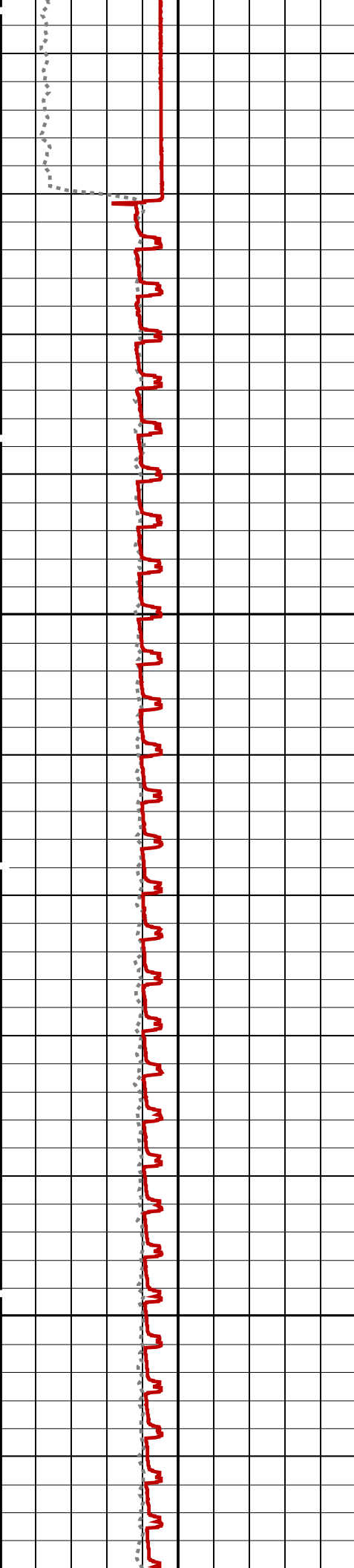
MPBT Setting Pass

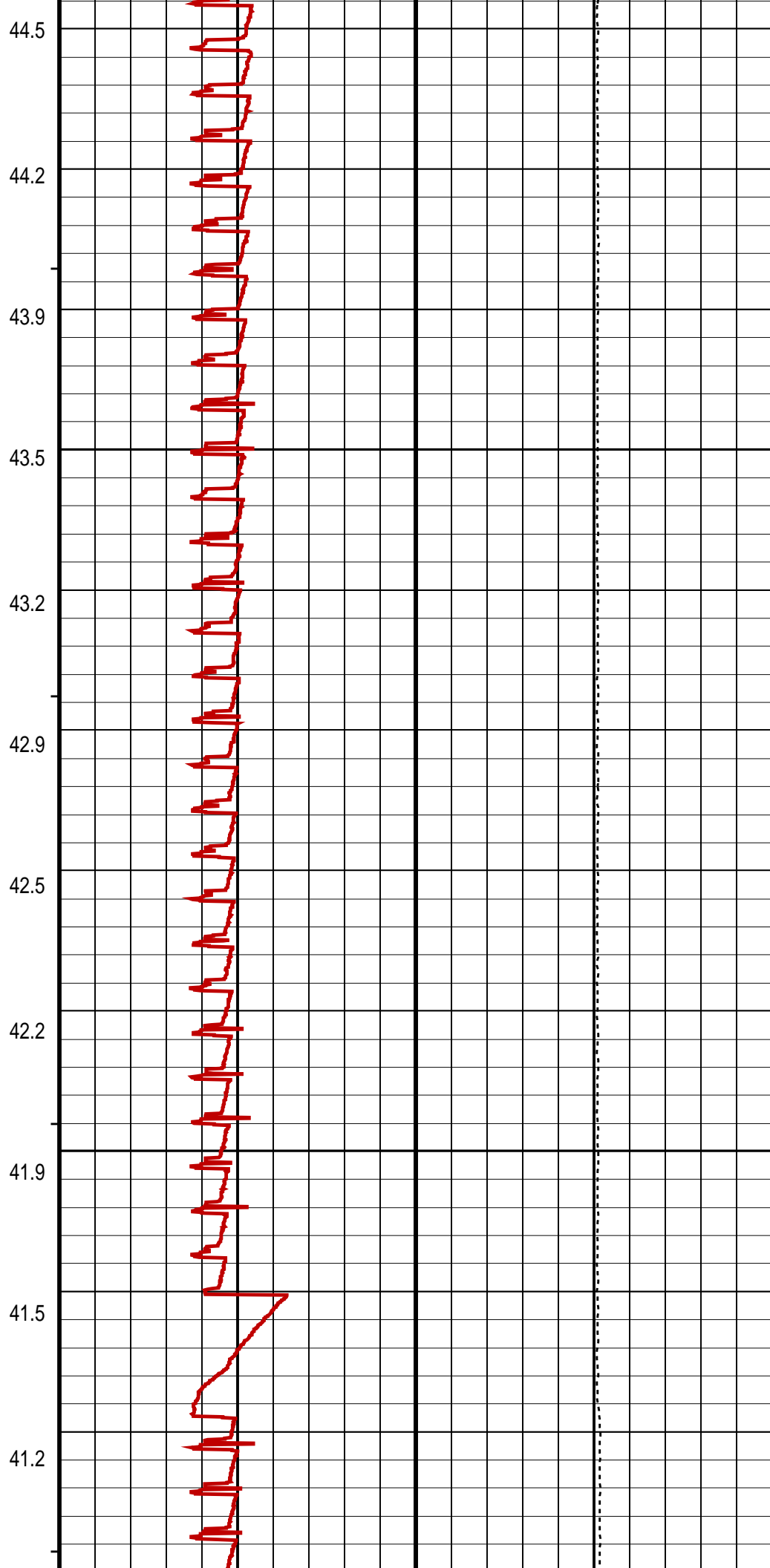
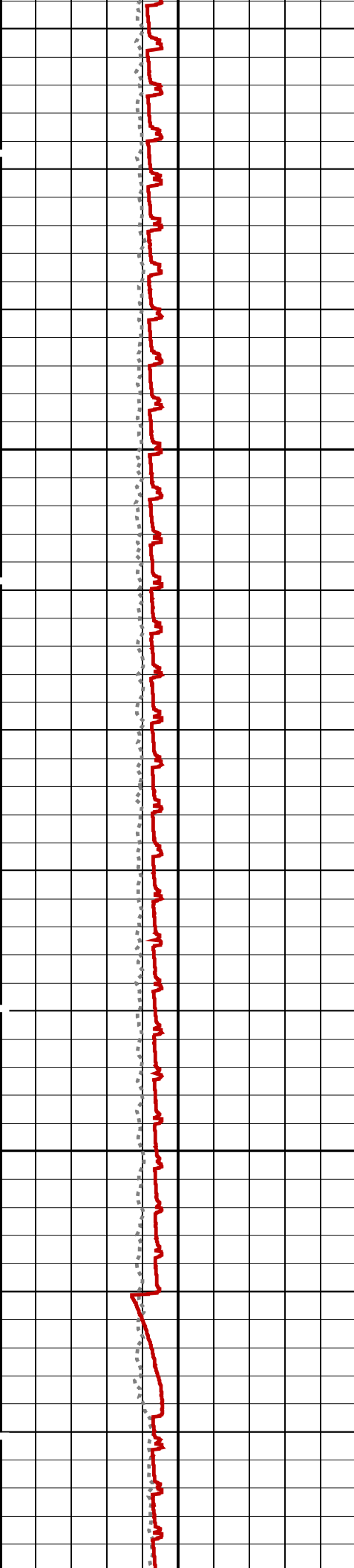
MAXIS Field Log

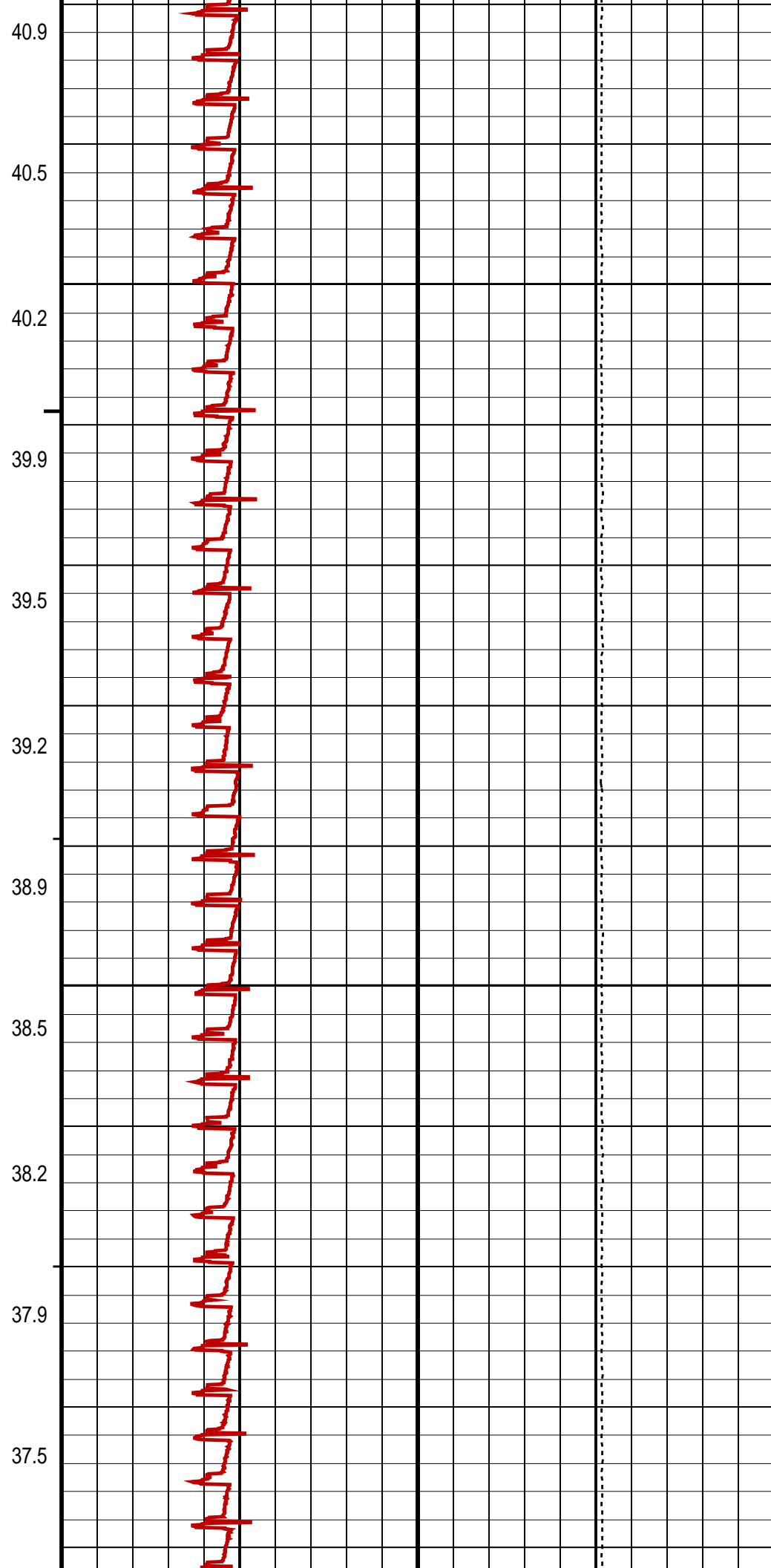
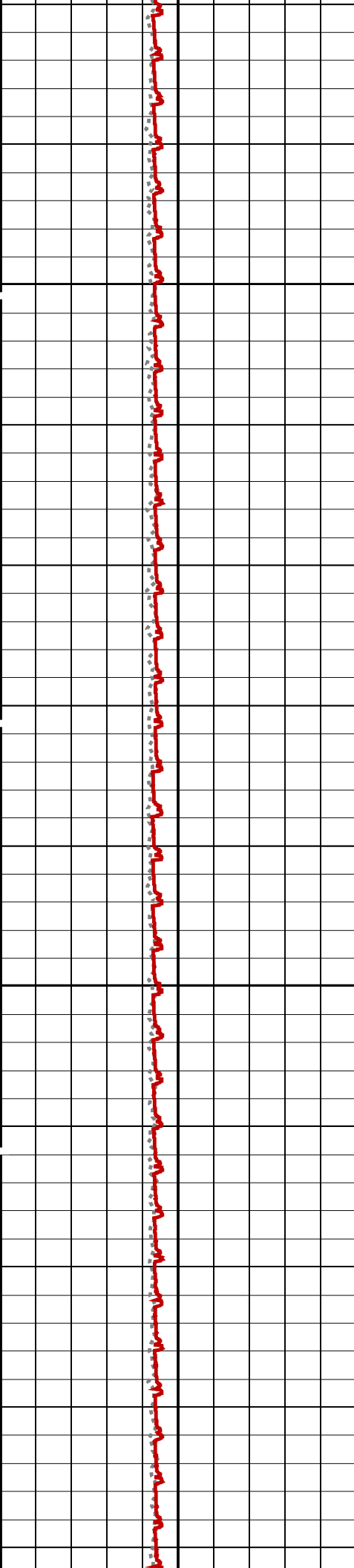
PERFO2 Operational Summary Listing

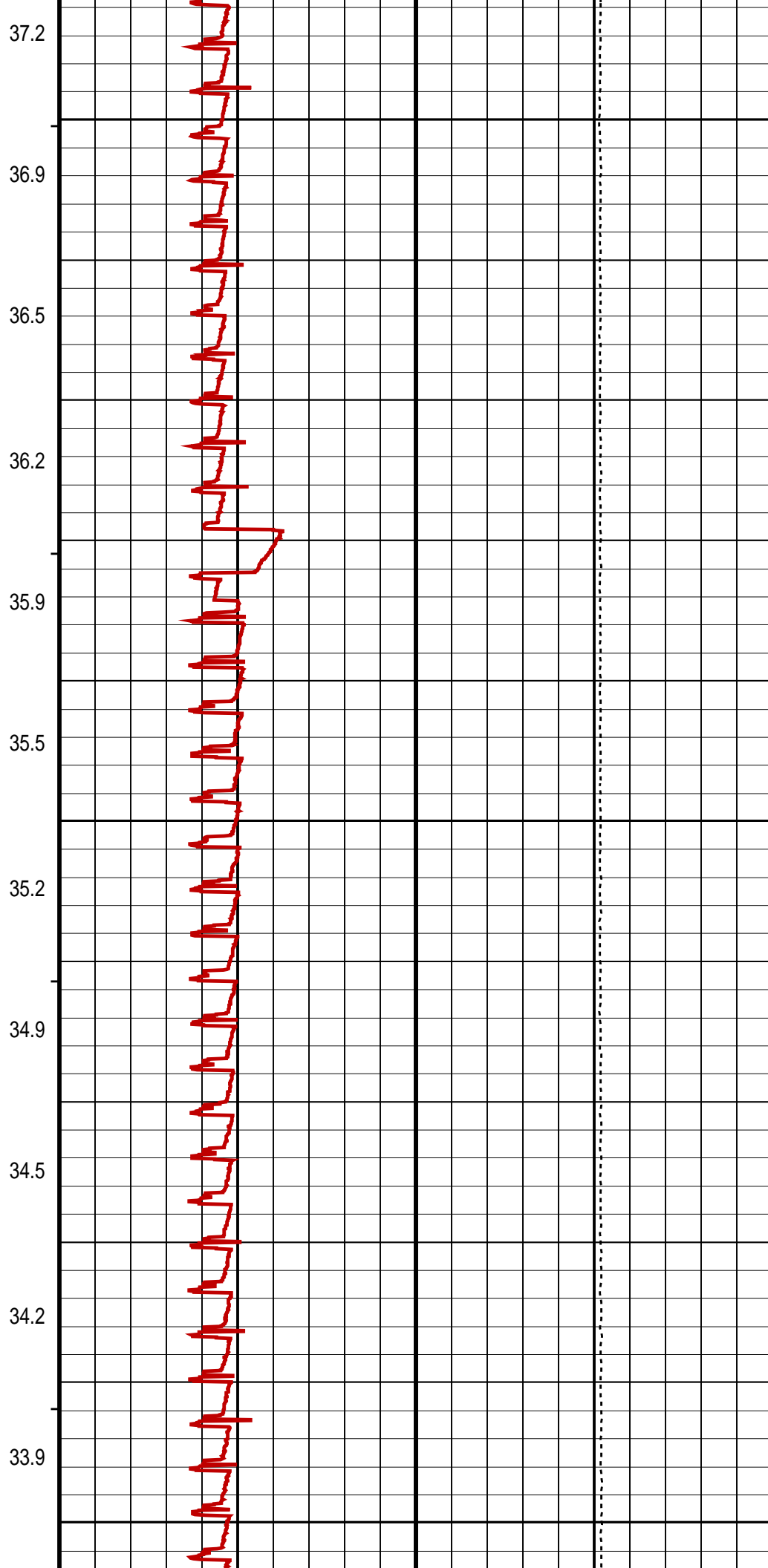
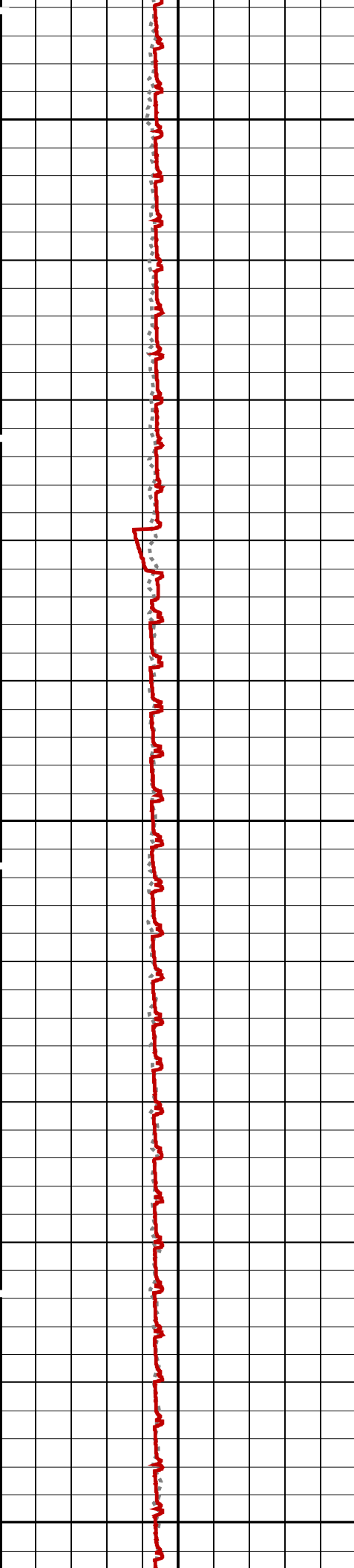
Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
MPEX	Used	3542.0	3542.0	Tue Aug 28 18:12:02 2007

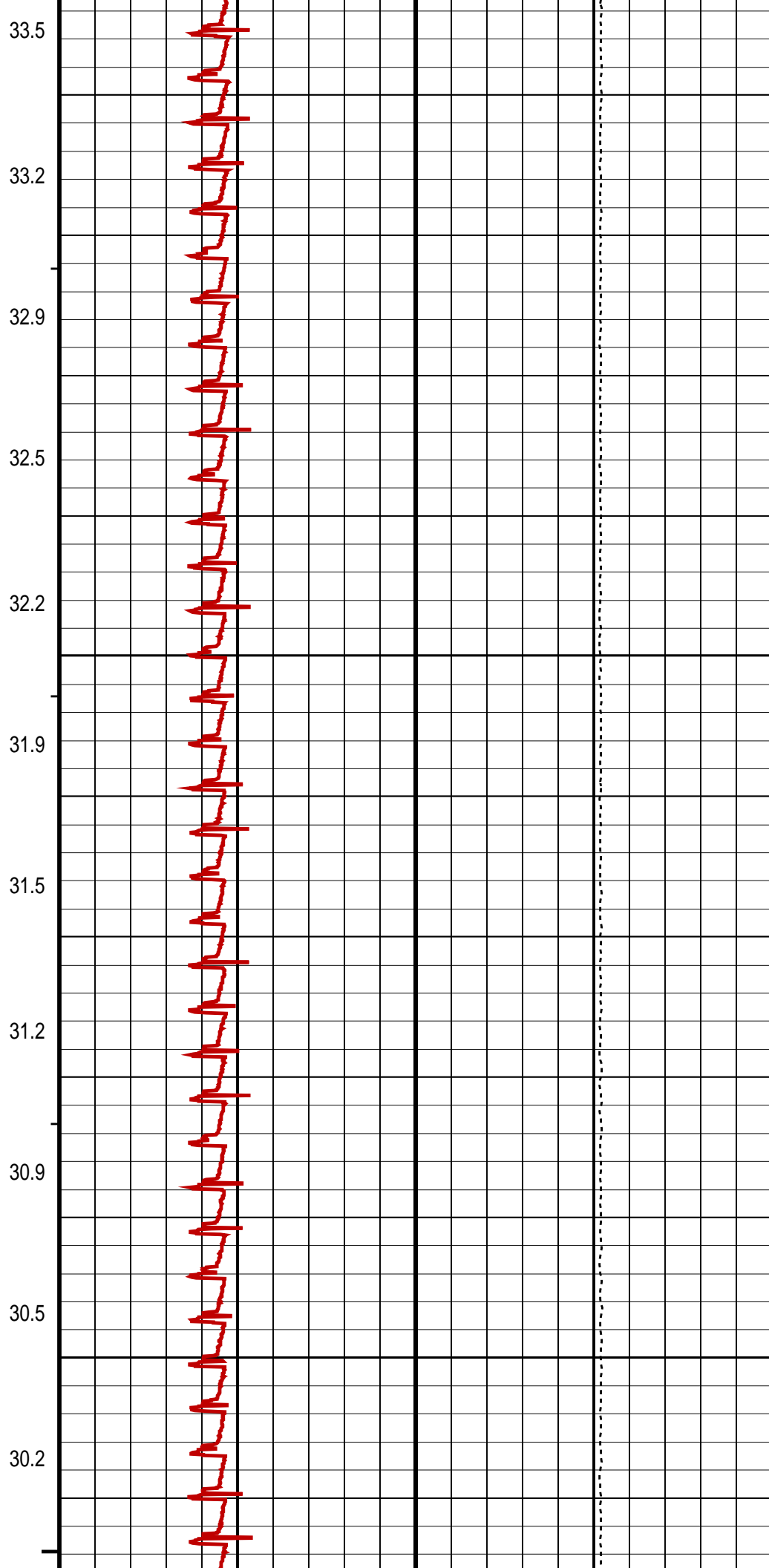
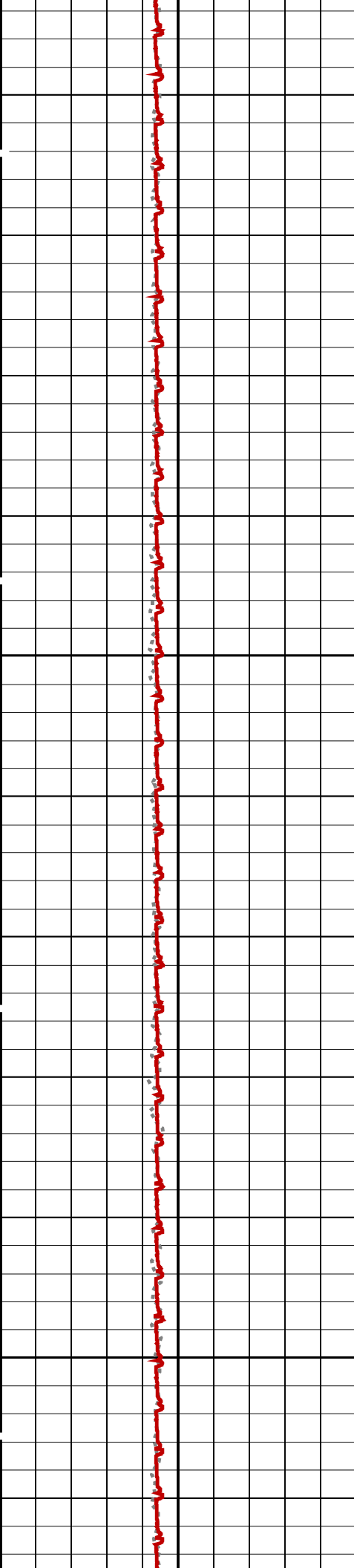


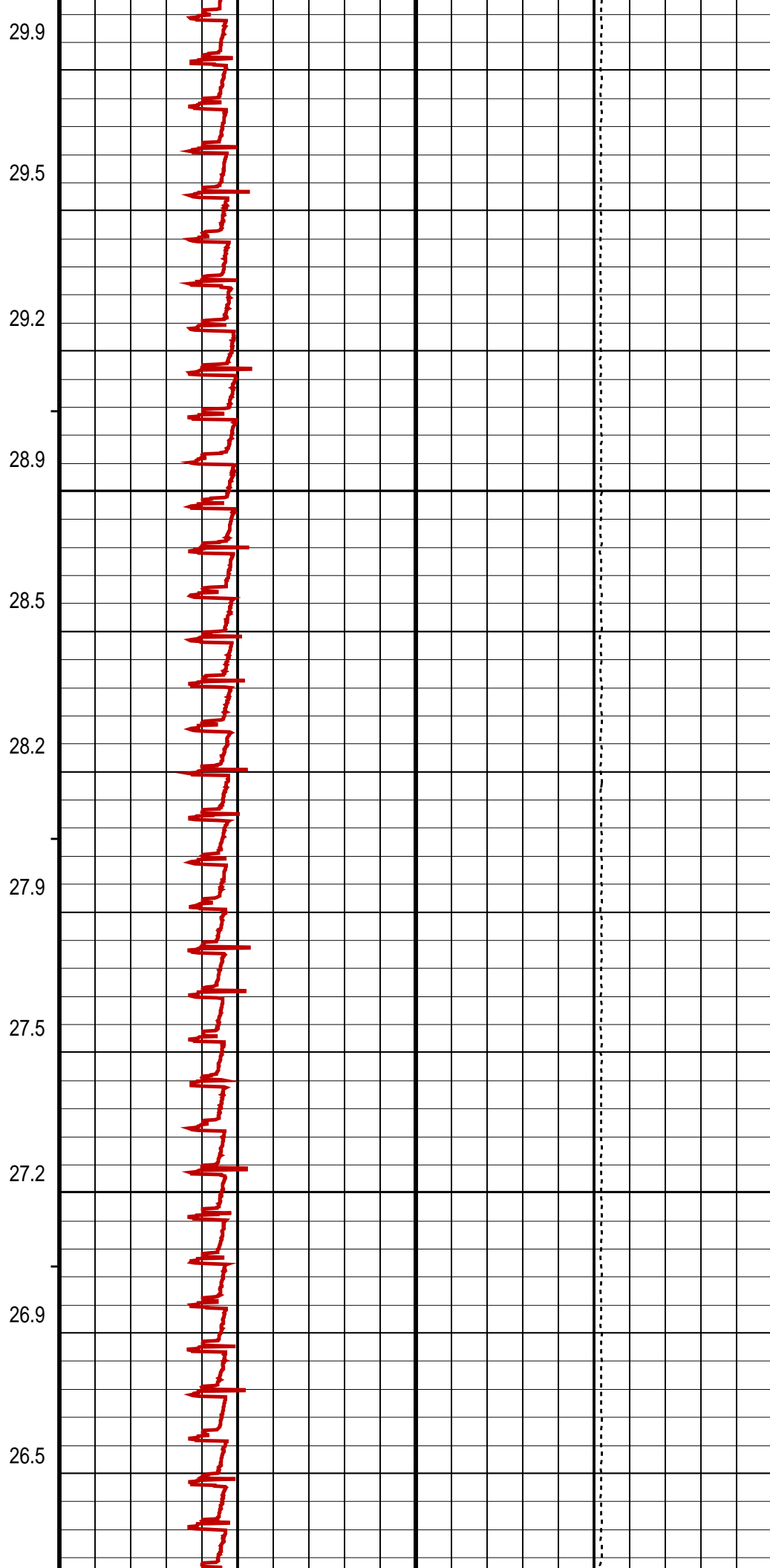
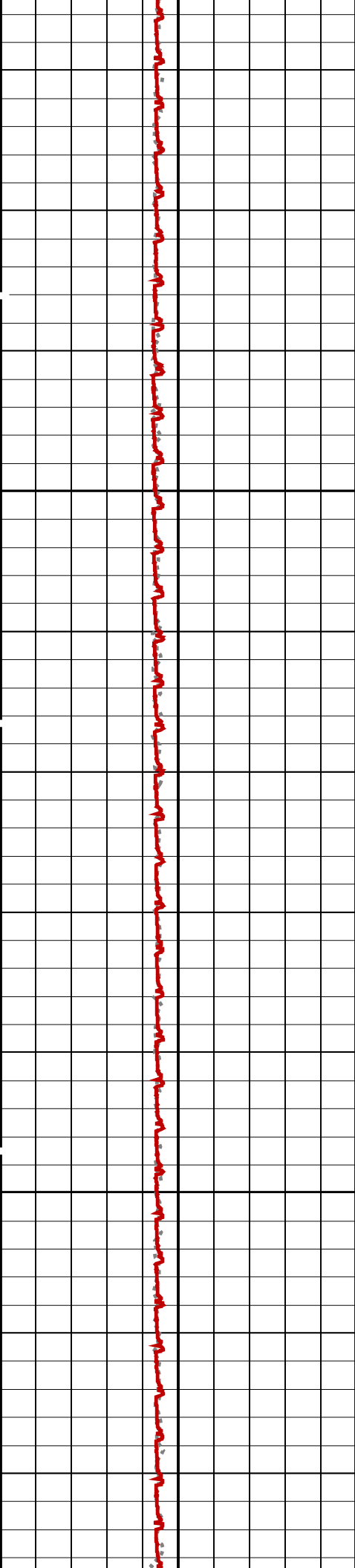


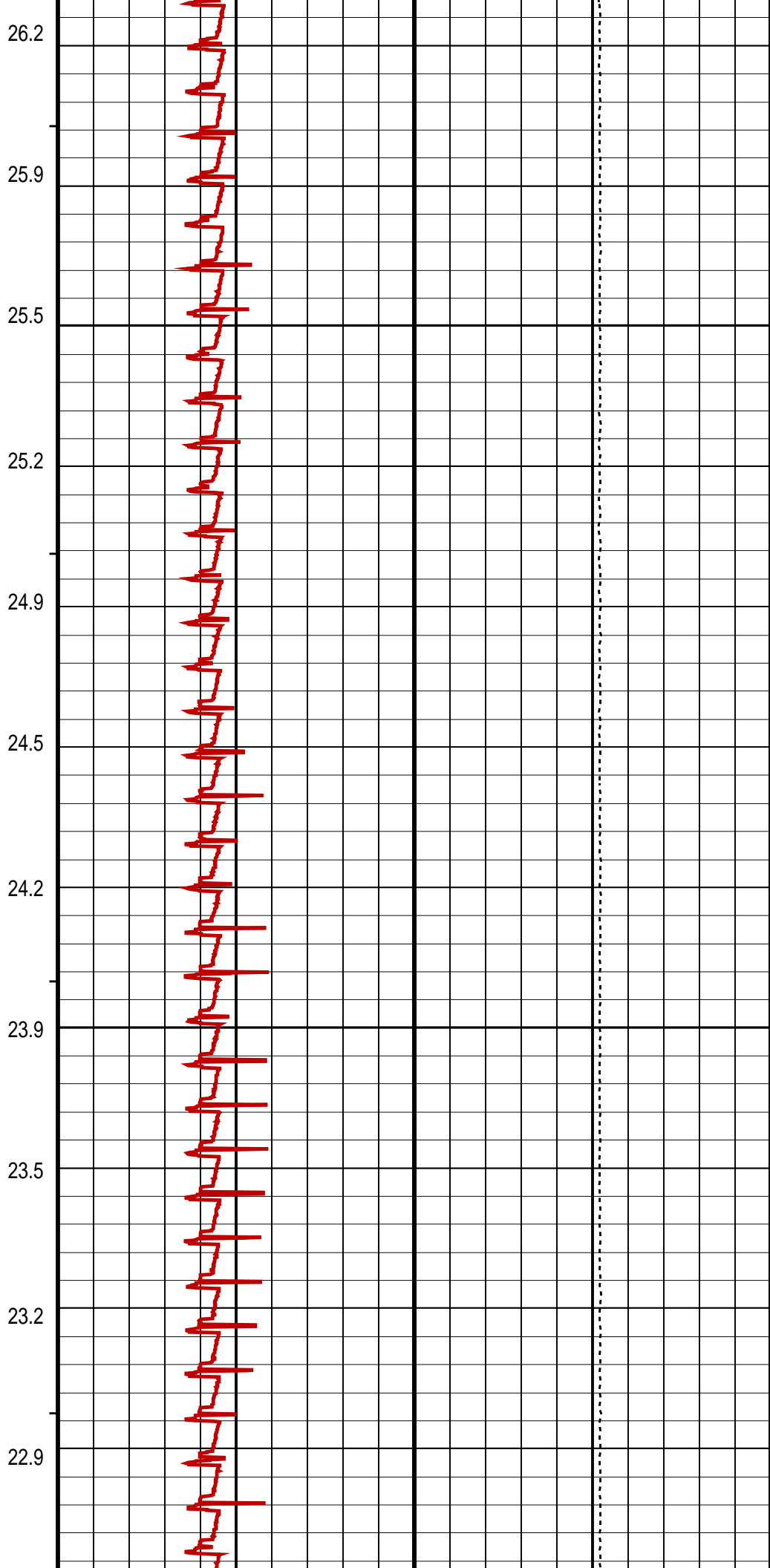
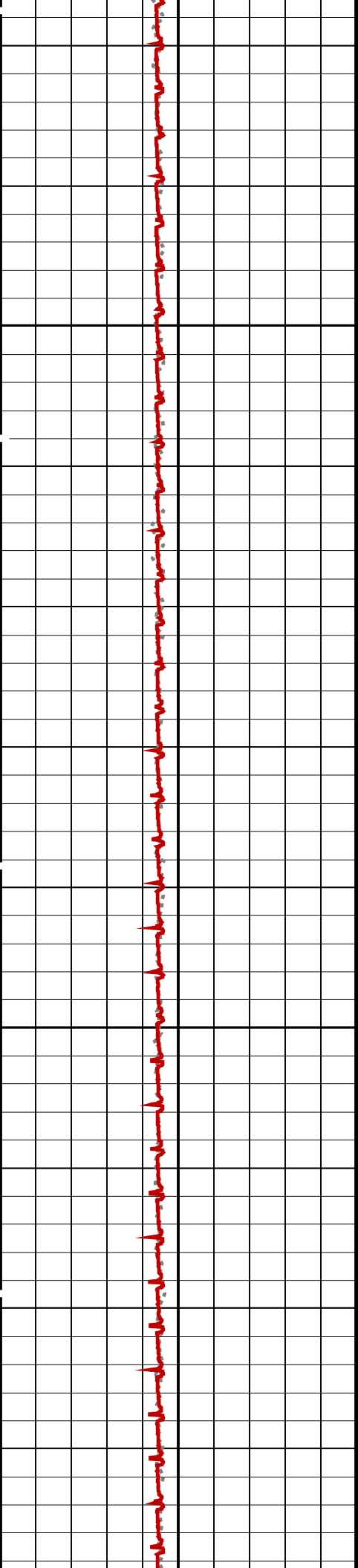


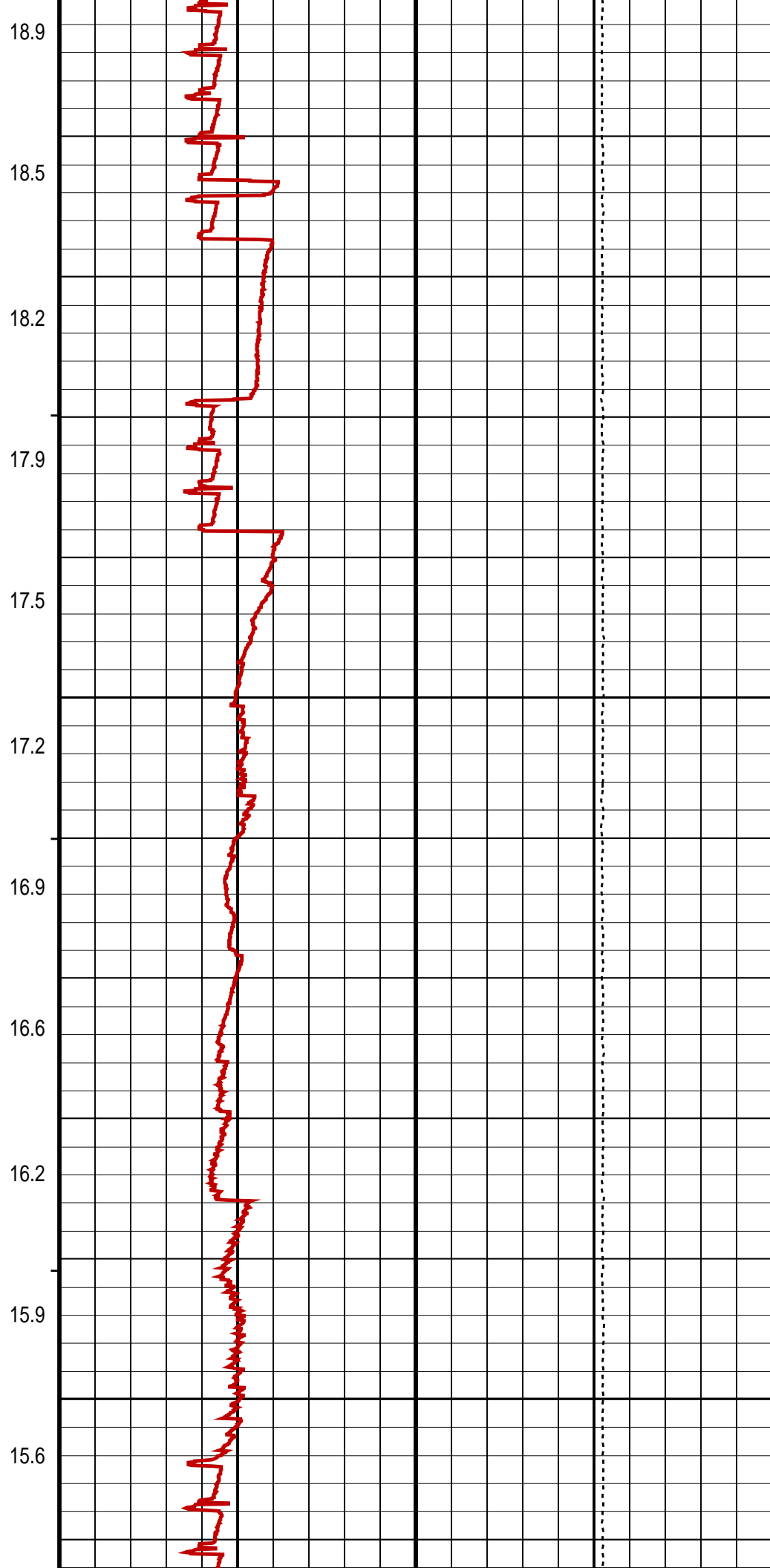
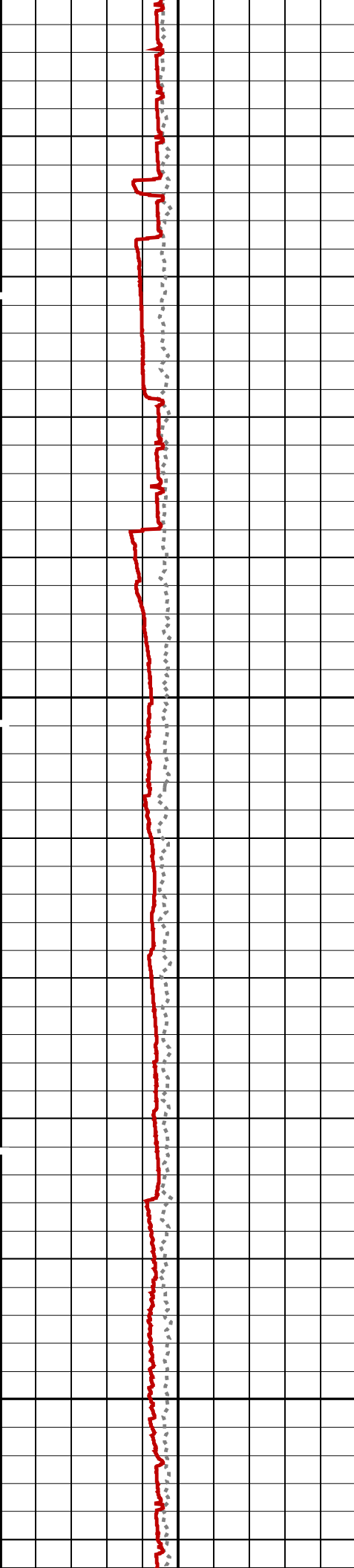


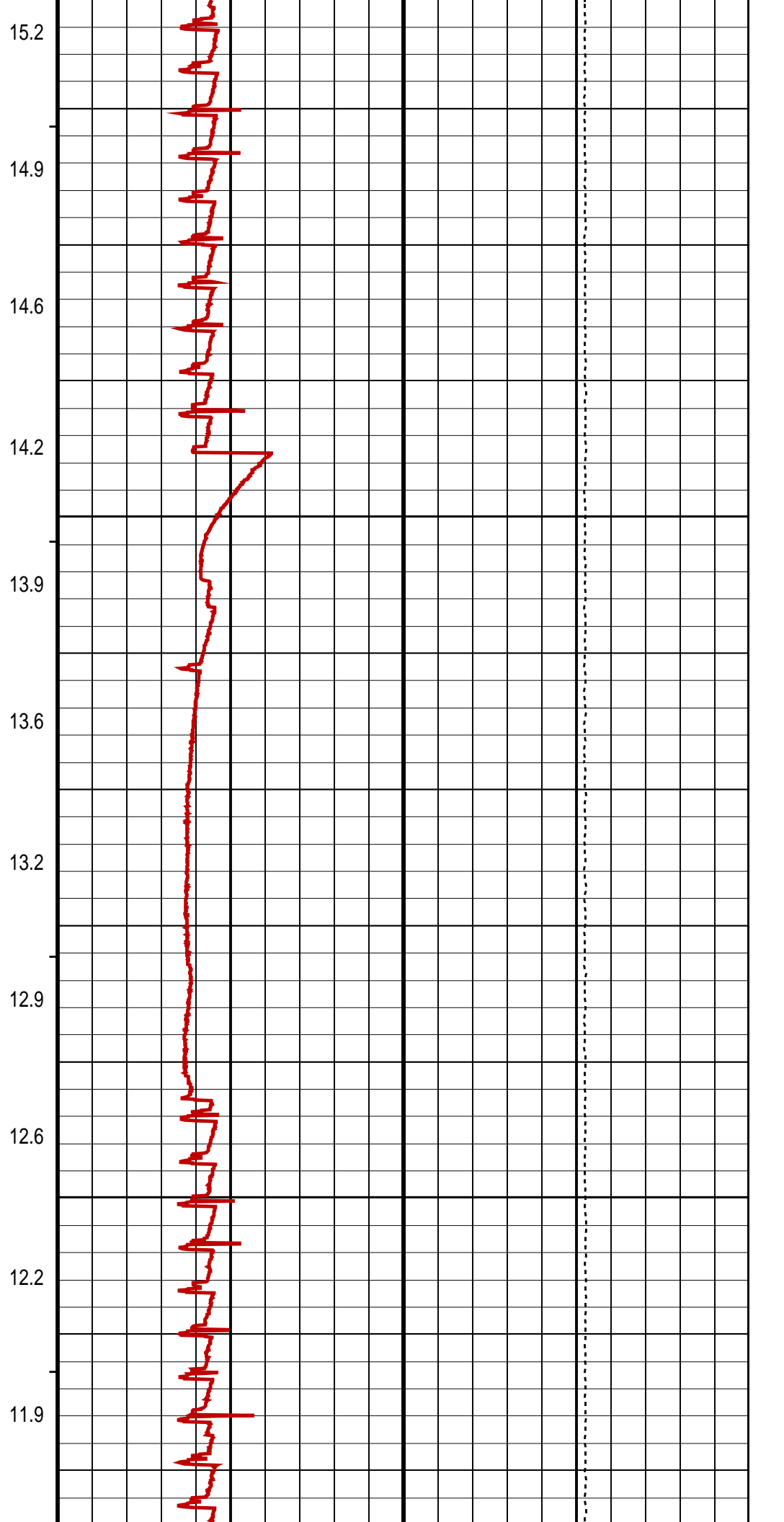
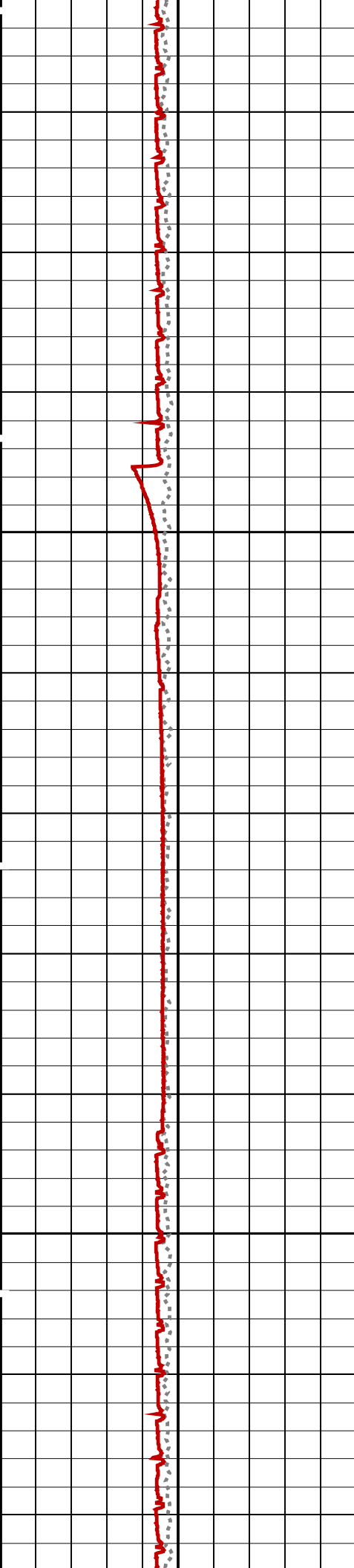


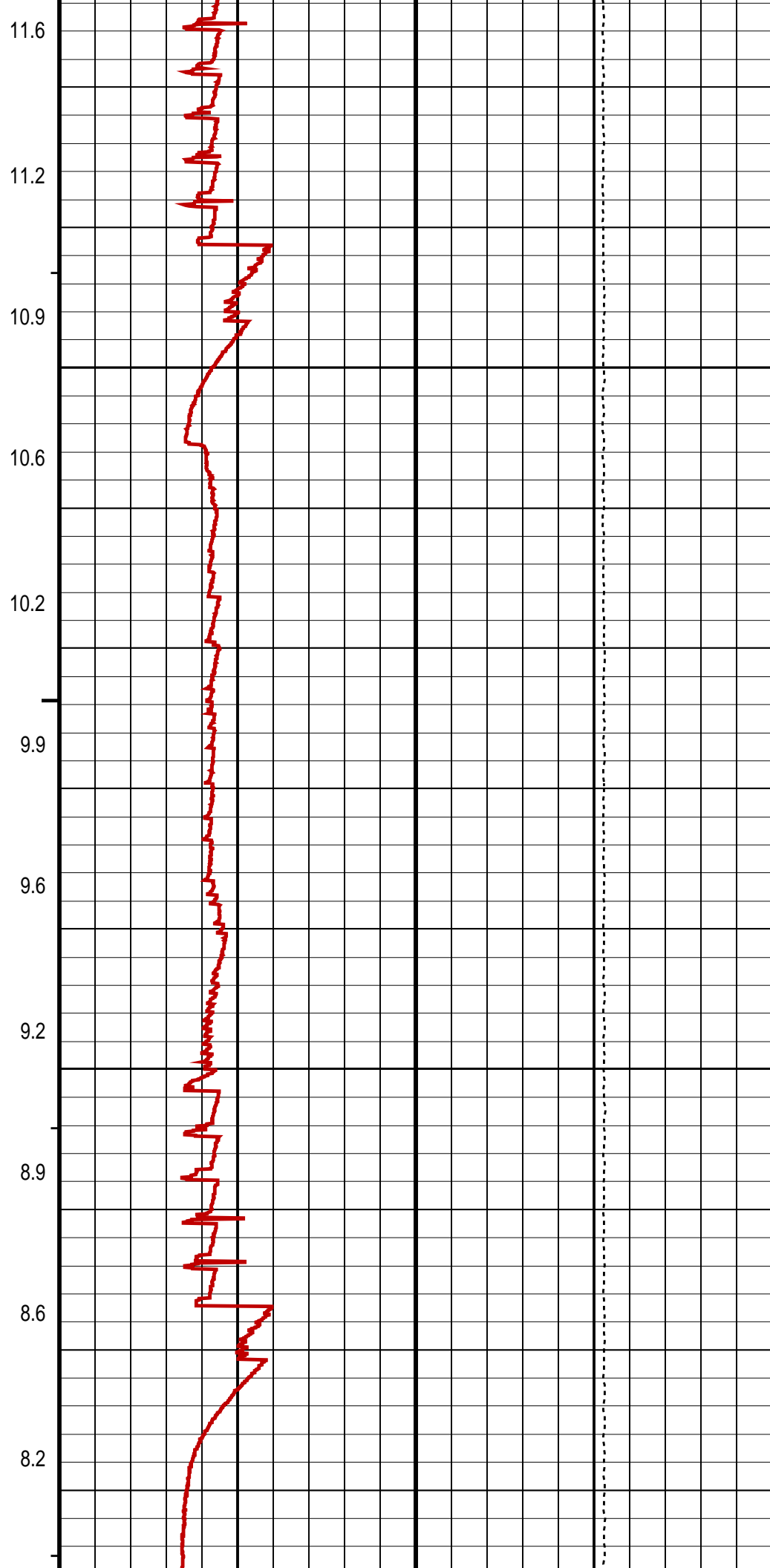
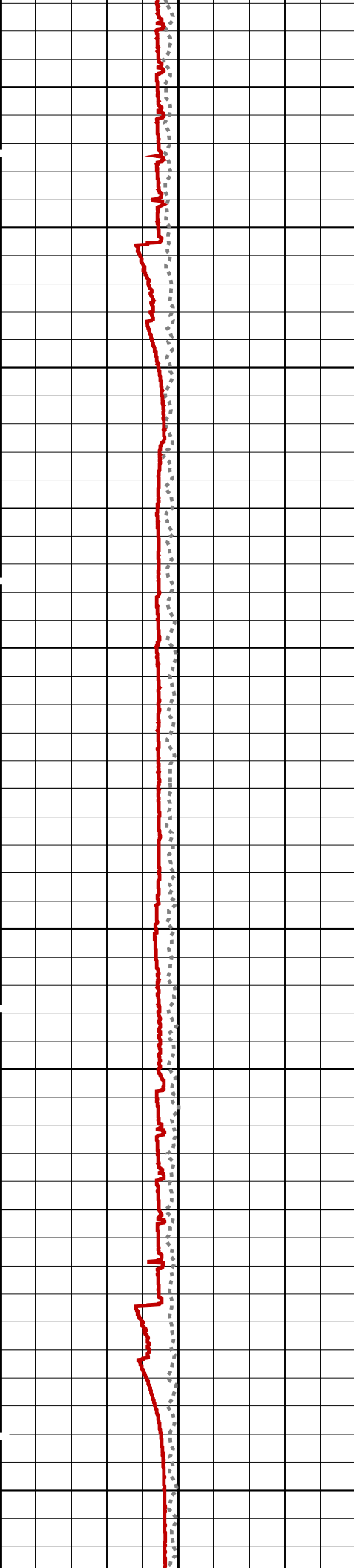


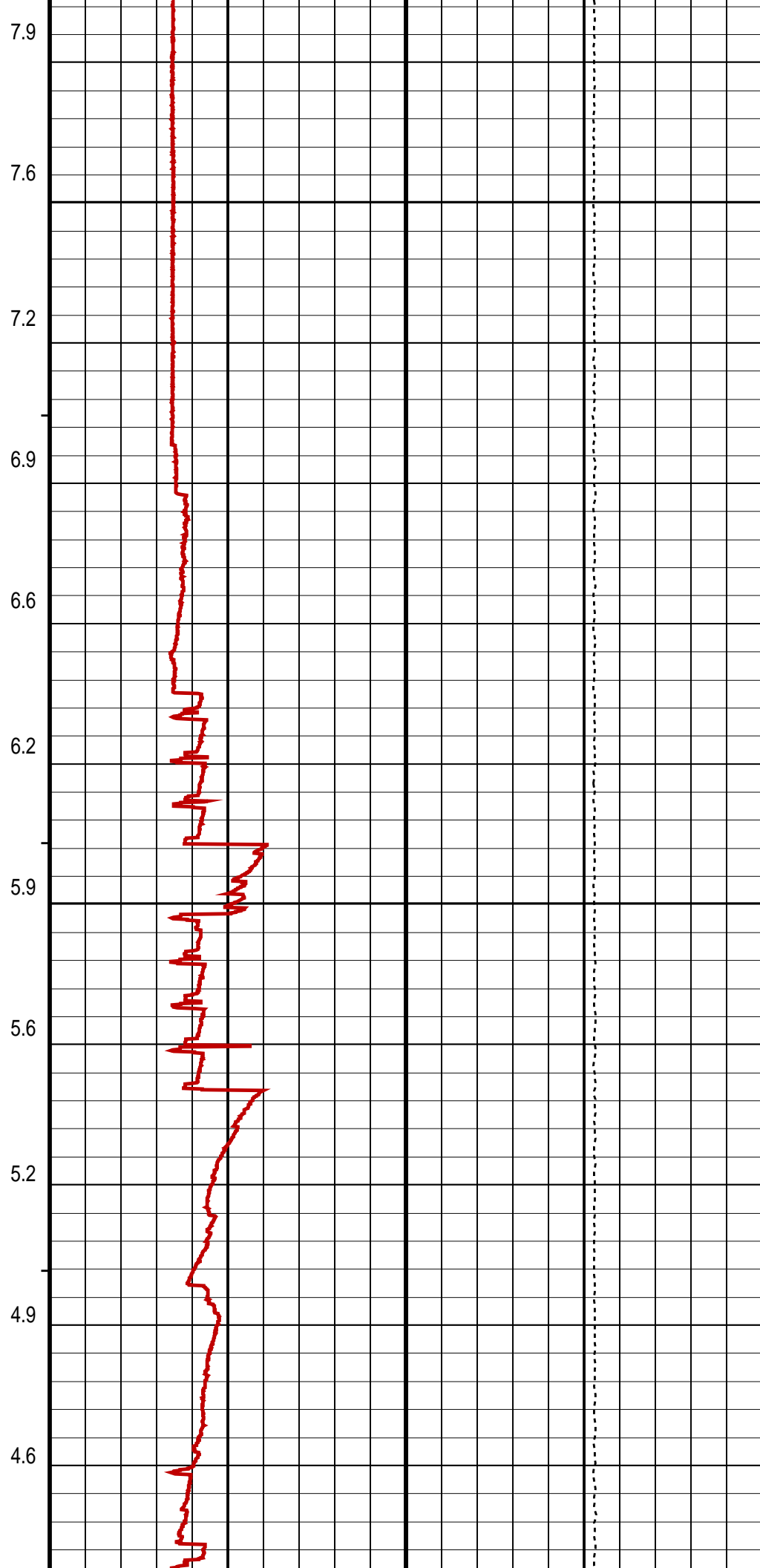
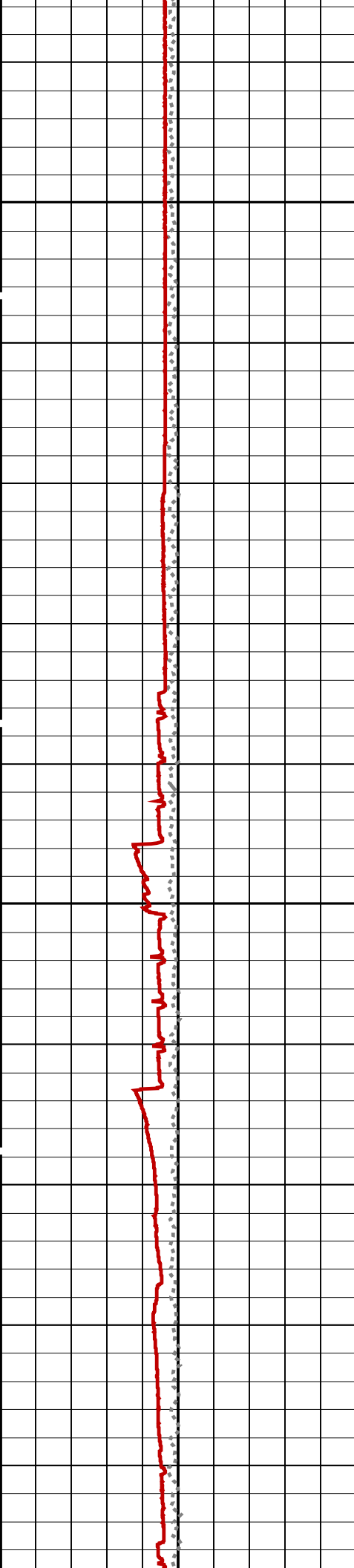


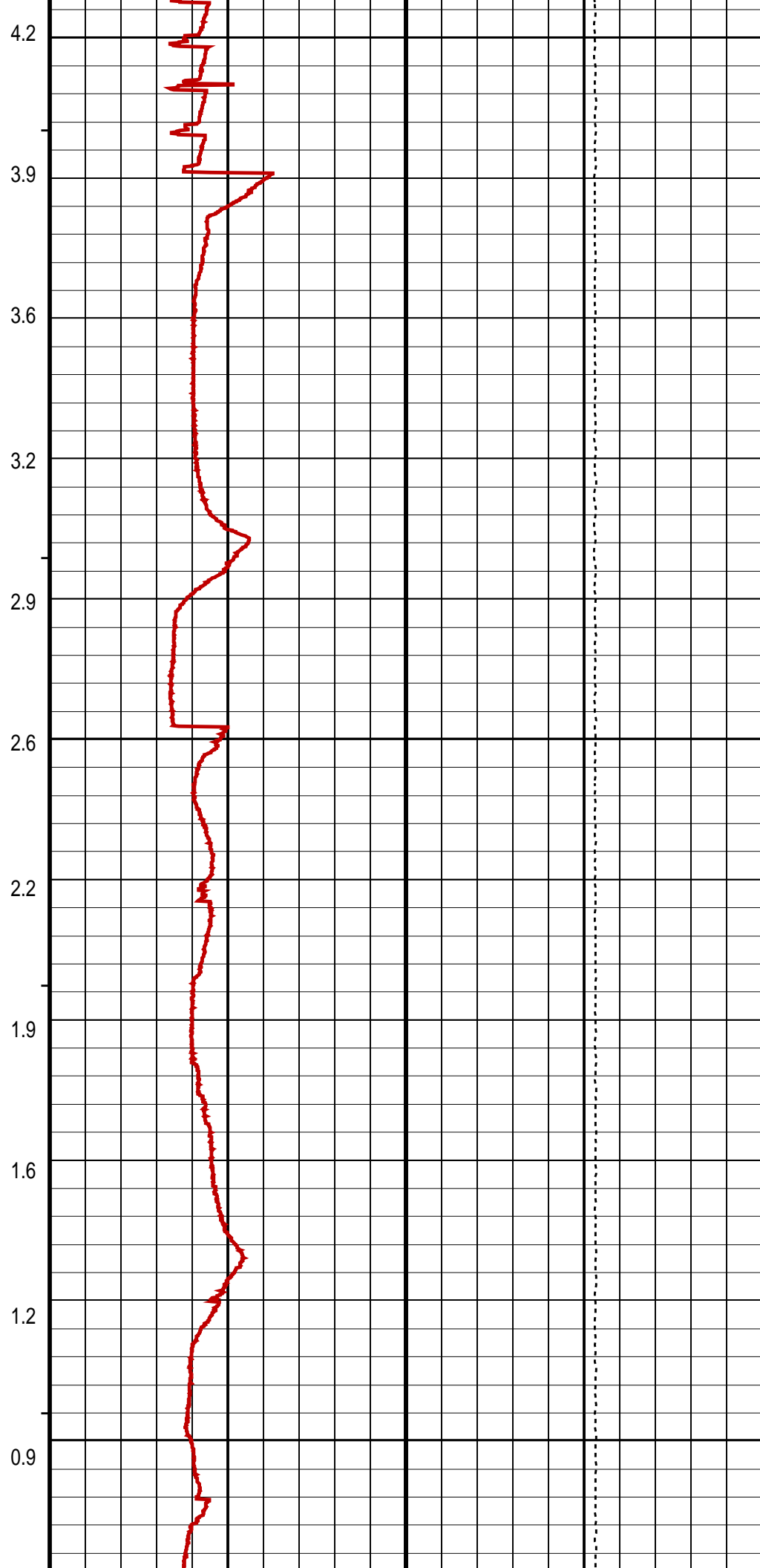
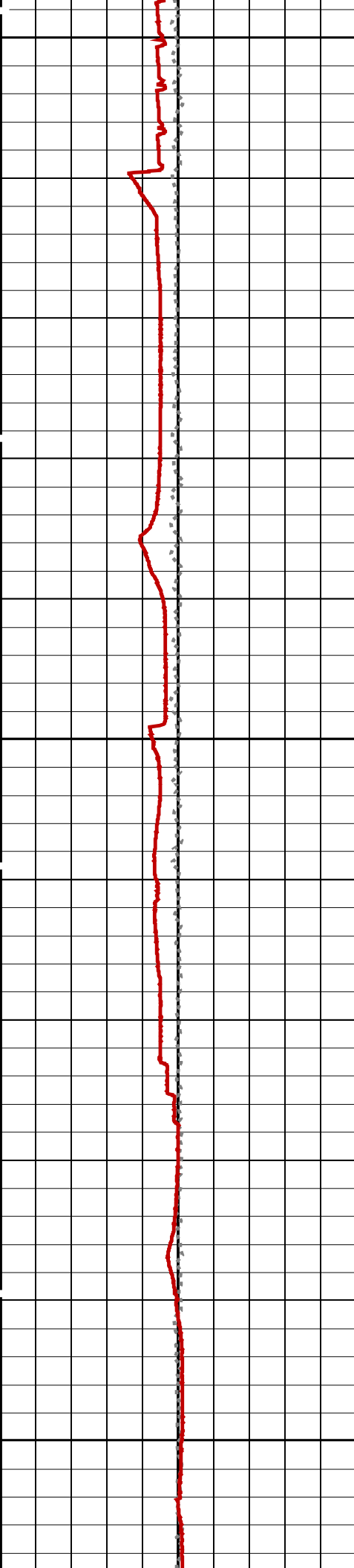














Differential Tension (DTEN) (LBF)	MPBM Cable Current (CCUR) (MA)	
-200 200	300 700	
MPSU Head Voltage (HV) (V)	Tension (TENS) (LBF)	
250 350	1000 3000	


PIP SUMMARY		
↵ MPSU Run Time Every 1 MN		
↵ MPSU Run Time Every 10 MN		
Time Mark Every 60 S		

Parameters		
DLIS Name	Description	Value
IPUMP	MPSU-CA: MECHANICAL PLUGBACK SETTING UNIT Intensifier Pump	TRUE

Format: MPBT	Vertical Scale: 1:200	Graphics File Created: 28-Aug-2007 17:22
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OP System Version: 15C0-309			
MCM			
MPEX-DA	15C0-309	MPSU-CA	15C0-309
CCL-L	15C0-309		

Output DLIS Files			
DEFAULT	CCL_080LUP	FN:86	PRODUCER 28-Aug-2007 17:22



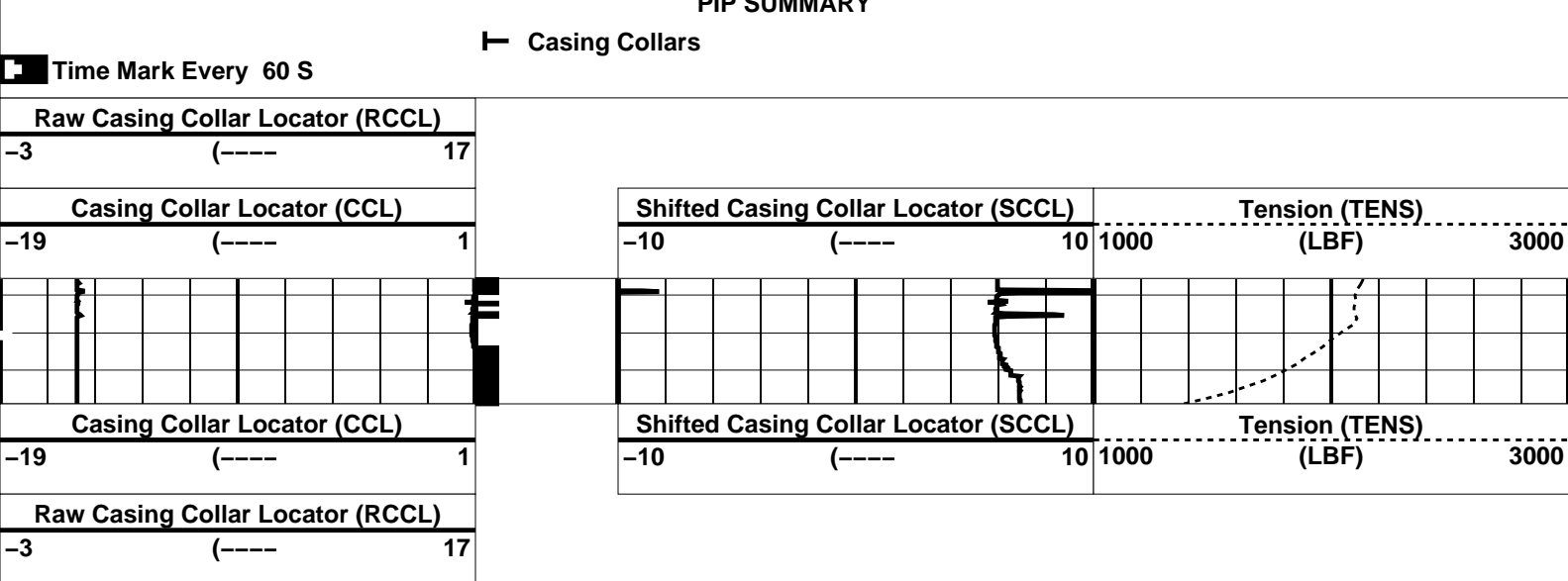
MPBT Log In Position

MAXIS Field Log

Company:	Well:
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Output DLIS Files					
DEFAULT	CCL_078LUP	FN:84	PRODUCER	28-Aug-2007 17:18	3538.9 M 3535.4 M

OP System Version: 15C0-309			
MCM			
MPEX-DA	15C0-309	MPSU-CA	15C0-309
CCL-L	15C0-309		



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
CCL-L: Casing Collar Locator		
CCLD	CCL reset delay	12 IN
CCLT	CCL Detection Level	0.9 V

Format: CCLLog Vertical Scale: 1:200 Graphics File Created: 28-Aug-2007 17:18

OP System Version: 15C0-309

MCM

MPEX-DA 15C0-309 MPSU-CA 15C0-309

CCL-L 15C0-309

Output DLIS Files

DEFAULT CCL_078LUP FN:84 PRODUCER 28-Aug-2007 17:18

Schlumberger

MPBT Correlation Pass

MAXIS Field Log

Company:

Well:

Output DLIS Files

DEFAULT CCL_077LUP FN:83 PRODUCER 28-Aug-2007 17:05 3516.2 M 3468.5 M

OP System Version: 15C0-309

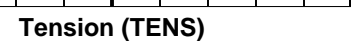
MCM

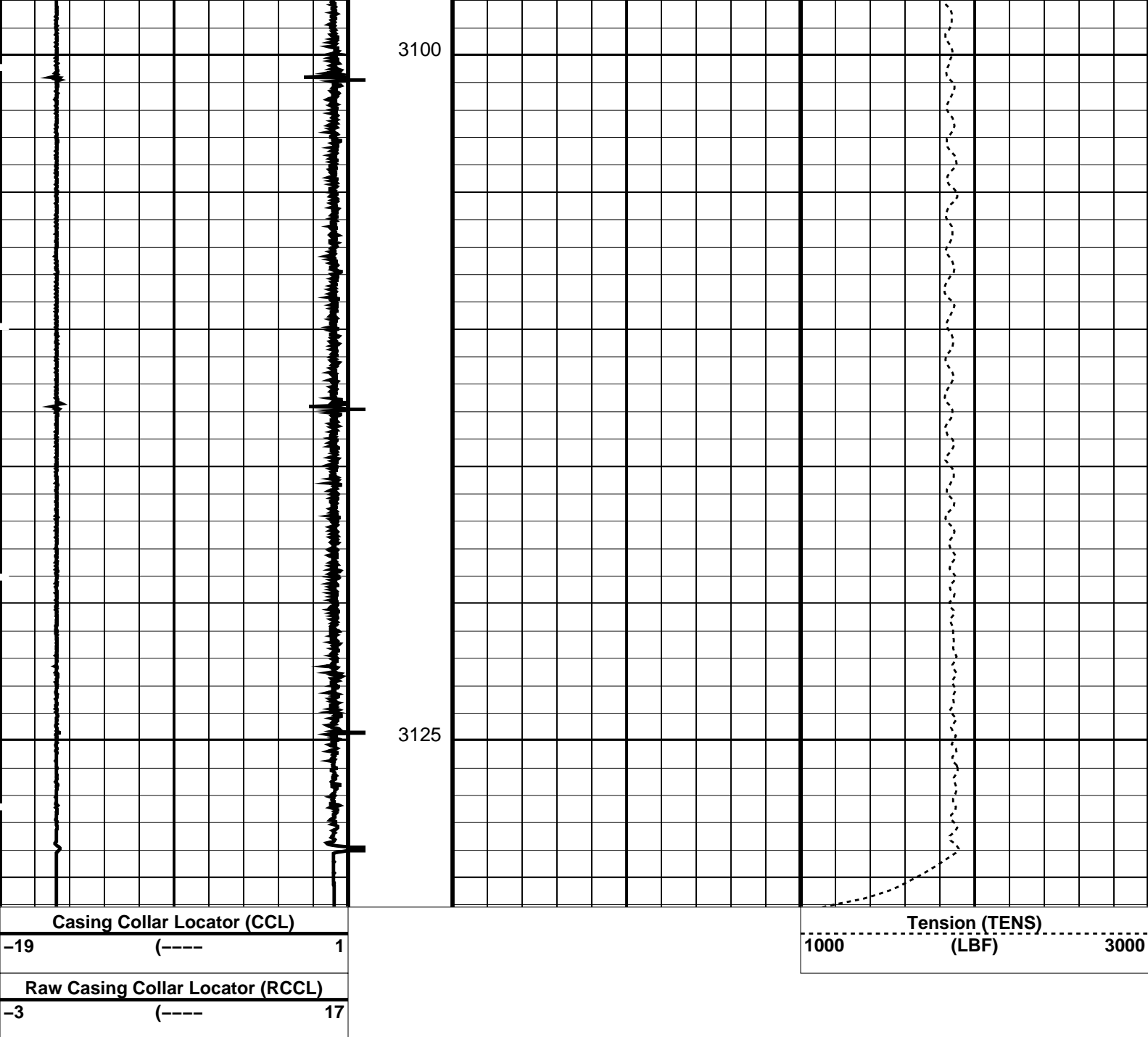
MPEX-DA 15C0-309 MPSU-CA 15C0-309

CCL-L 15C0-309

PIP SUMMARY

Time Mark Every 60 S





PIP SUMMARY

← Casing Collars

Parameters

DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.9 V
	CCL Detection Level	

Format: CCLLog Vertical Scale: 1:200

Graphics File Created: 28-Aug-2007 16:42

OP System Version: 15C0-309

MCM

MPEX-DA	15C0-309	MPSU-CA	15C0-309
CCL-L	15C0-309		

Output DLIS Files

DEFAULT	CCL_075LUP	FN:81	PRODUCER	28-Aug-2007 16:42
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Dummy Plug Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: FLA A25a

Input DLIS Files

DEFAULT PSP_071LUP FN:70 PRODUCER 28-Aug-2007 13:04 3544.2 M 3475.2 M

Output DLIS Files

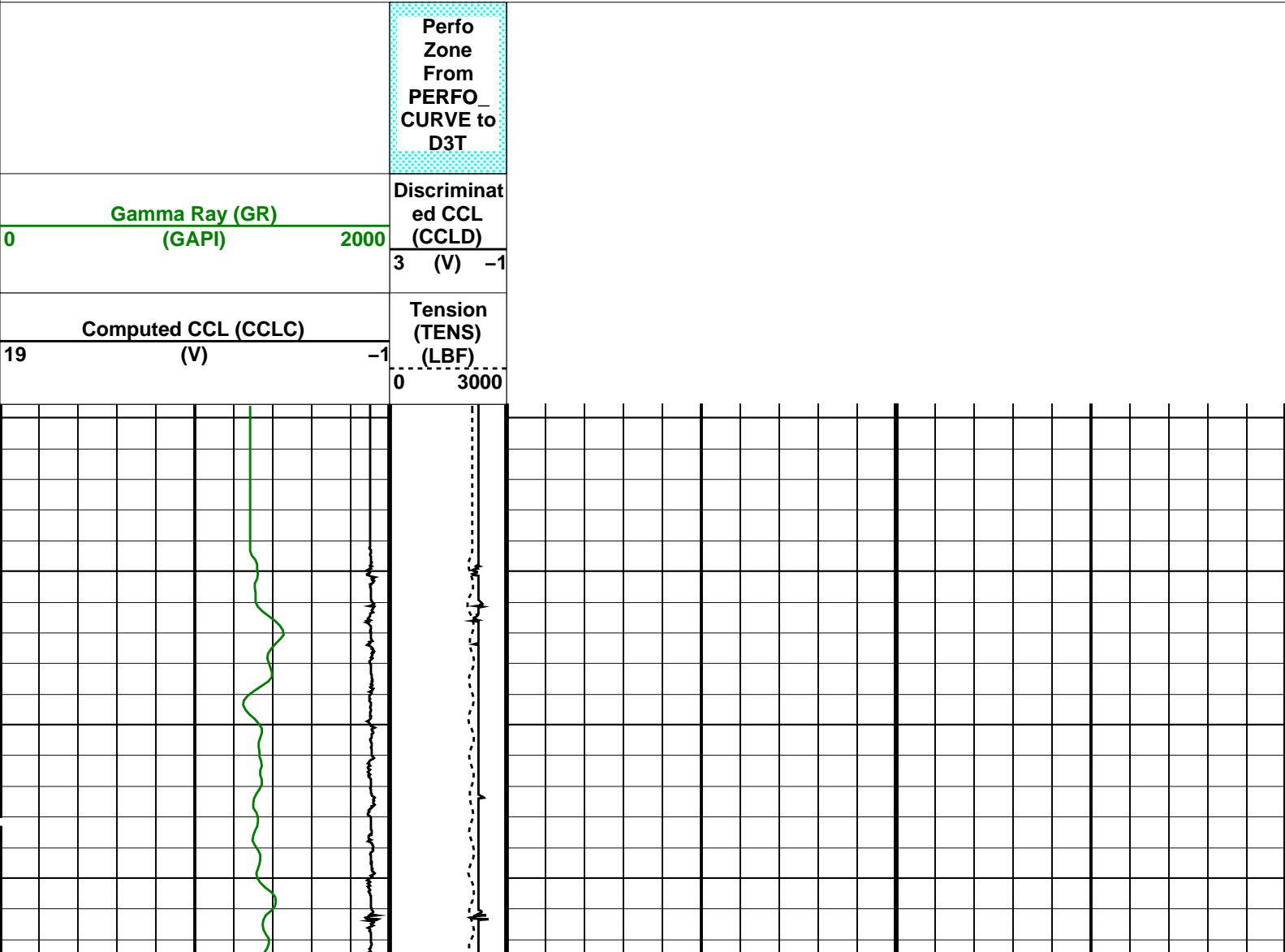
CUSTOMER PSP_071PUC FN:77 CUSTOMER 28-Aug-2007 13:56 3550.2 M 3479.4 M

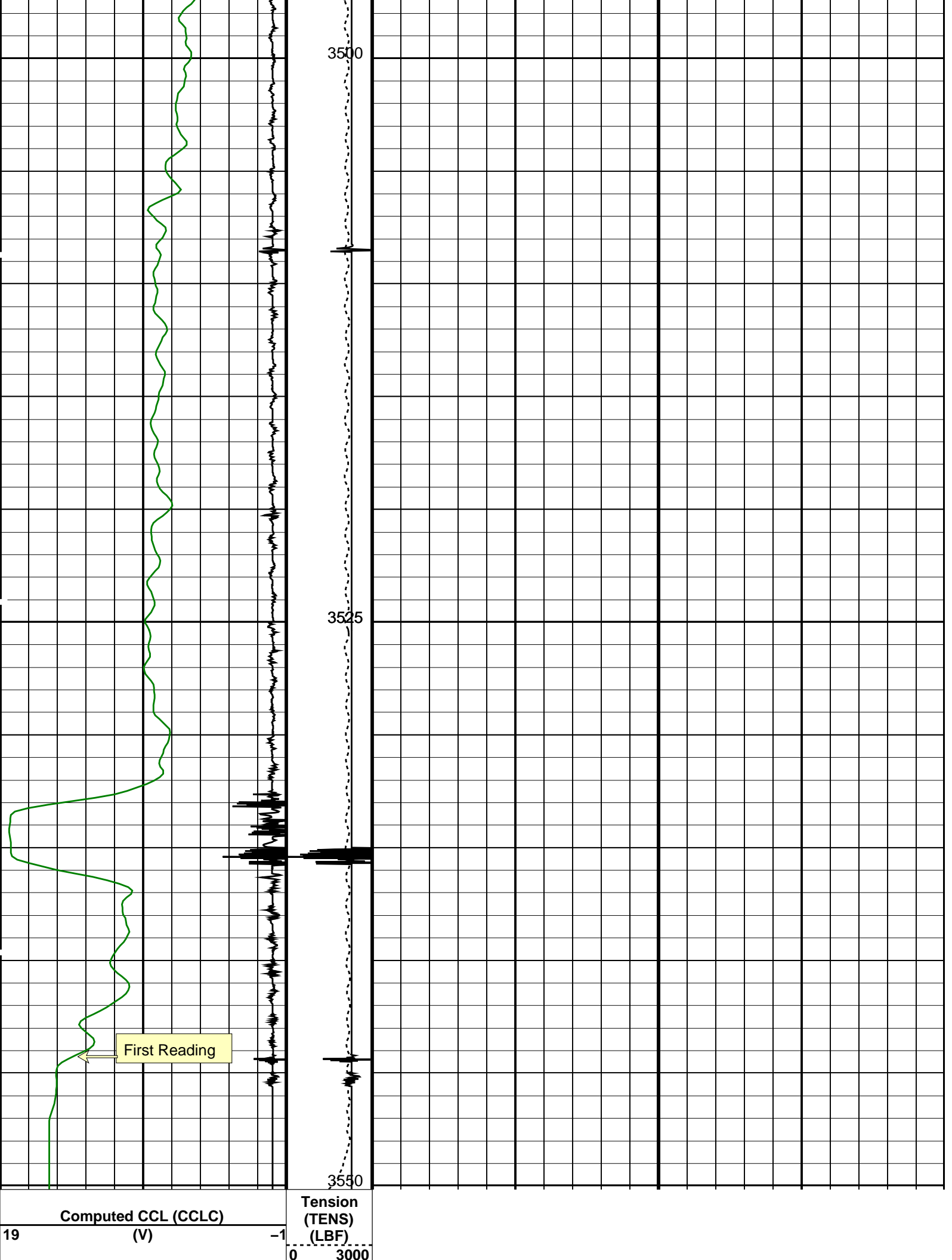
OP System Version: 15C0-309
MCM

PSPT-A/B 15C0-309

PIP SUMMARY


Time Mark Every 60 S





Gamma Ray (GR)	Discriminat
(GAPI)	ed CCL
2000	(CCLD)
	3 (V) -1
	Perfo Zone From PERFO_ CURVE to D3T

PIP SUMMARY									
Time Mark Every 60 S									
Format: PBMS Correlation		Vertical Scale: 1:200				Graphics File Created: 28-Aug-2007 13:56			
OP System Version: 15C0-309									
MCM									
PSPT-A/B		15C0-309							
Parameters									
DLIS Name		Description				Value			
System and Miscellaneous									
DO		Depth Offset for Playback				5.9 M			
PP		Playback Processing				NORMAL			
Input DLIS Files									
DEFAULT		PSP_071LUP		FN:70 PRODUCER		28-Aug-2007 13:04		3544.2 M 3475.2 M	
Output DLIS Files									
CUSTOMER		PSP_071PUC		FN:77 CUSTOMER		28-Aug-2007 13:56			



Before Survey Calibration

MAXIS Field Log

Calibration and Check Summary							
Measurement	Nominal	Master	Before	After	Change	Limit	Units
Production Services Logging Platform Wellsite Calibration – Detector Calibration							
Before: 30-Aug-2007 16:24							
Gamma-Ray Jig-Bkg	165.0	N/A	166.3	N/A	N/A	N/A	GAPI



Production Services Logging Platform / Equipment Identification			
Primary Equipment:			
Production Logging Platform (CQG-F)	PSPT – B		
PSP Basic Measurement Sonde (CQG_F)	PBMS – B	1747	
PSP Basic measurement module	PBMS –		
PSP CCL	CCL		

PSP CCL
PSP GR
PSP RTD Well Temperature
PSP Crystal Quartz Gauge Type F
PSP Telemetry and bus master cartridge

CCL -
GR -
RTD_ -
CQG_ -
PSTC -

1768

Auxiliary Equipment:

Production Services Logging Platform Wellsite Calibration							
Detector Calibration							
Phase	Gamma-Ray Background	GAPI	Value	Phase	Gamma-Ray Jig-Bkg	GAPI	Value
Before			5.650	Before			166.3
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)
Before: 30-Aug-2007 16:24							

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **FLA A25a**

Field: **Flounder**

Rig: **Prod 3 / Flounder**

Country: **Australia**

MPBT

Cement Bailers

28-Aug-2007