

Company: Esso Australia Pty Ltd.

Well: F-2a
Field: Cobia
Rig : Prod4 / Crane Country: Australia

2 1/8" Phased Powerjet
7 5/8" Mpbp Plug
Record

Prod4 / Crane

Rig :
Field: Cobia
Location: Gippsland
Well: F-2a
Company: Esso Australia Pty Ltd.

LOCATION	
Gippsland	Elev.: K.B. 39 m
Basin	G.L. -79 m
Bass Strait	D.F. 39 m
Permanent Datum:	M.S.L.
Log Measured From:	D.F.
Drilling Measured From:	D.F.
State: Victoria	Max. Well Deviation 52 deg
	Longitude 148 18'32.55"E
	Latitude 038 26'56.45"S

	Run 1
Oil Density	
Water Salinity	
Gas Gravity	
Bo	
Bw	
1/Bq	
Bubble Point Pressure	
Bubble Point Temperature	
Solution GOR	
Maximum Deviation	52 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	

Logging Date	26-May-2007
Run Number	One
Depth Driller	3420 m
Schlumberger Depth	3350 m
Bottom Log Interval	3350 m
Top Log Interval	3275 m
Casing Fluid Type	Production Fluids
Salinity	
Density	
Fluid Level	
BIT/CASING/TUBING STRING	
Bit Size	9.875 in
From	
To	
Casing/Tubing Size	7.625 in
Weight	29.7 lbm/ft
Grade	L-80
From	12.29 m
To	3463 m
Maximum Recorded Temperatures	222 degf
Logger On Bottom	26-May-2007
Unit Number	889
Recorded By	G Wright.
Witnessed By	B White & B Robinson.

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: 20-MAY-2007 13:01:26

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-EB Serial Number: 6373 Calibration Date: 05-JUL-2006 Calibrator Serial Number: 9 Calibration Cable Type: 2-32ZT Wheel Correction 1: -2 Wheel Correction 2: -4	Type: PSDS/OSDS Serial Number: 325357 Calibration Date: 28-Apr-2007 Calibrator Serial Number: 1176 Calibration Gain: 0.91 Calibration Offset: 217.00	Type: 2-32ZT Serial Number: 24425 Length: 6590.08 M Conveyance Method: Wireline Rig Type: Offshore_Fixed

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	Solar Composite
Reference Log Run Number:	1
Reference Log Date:	May-2007

Depth Control Remarks

















1. Primary depth control was the IDW-EB 6373.
2. Z chart used as secondary depth control.
3.
4.
5.
6.

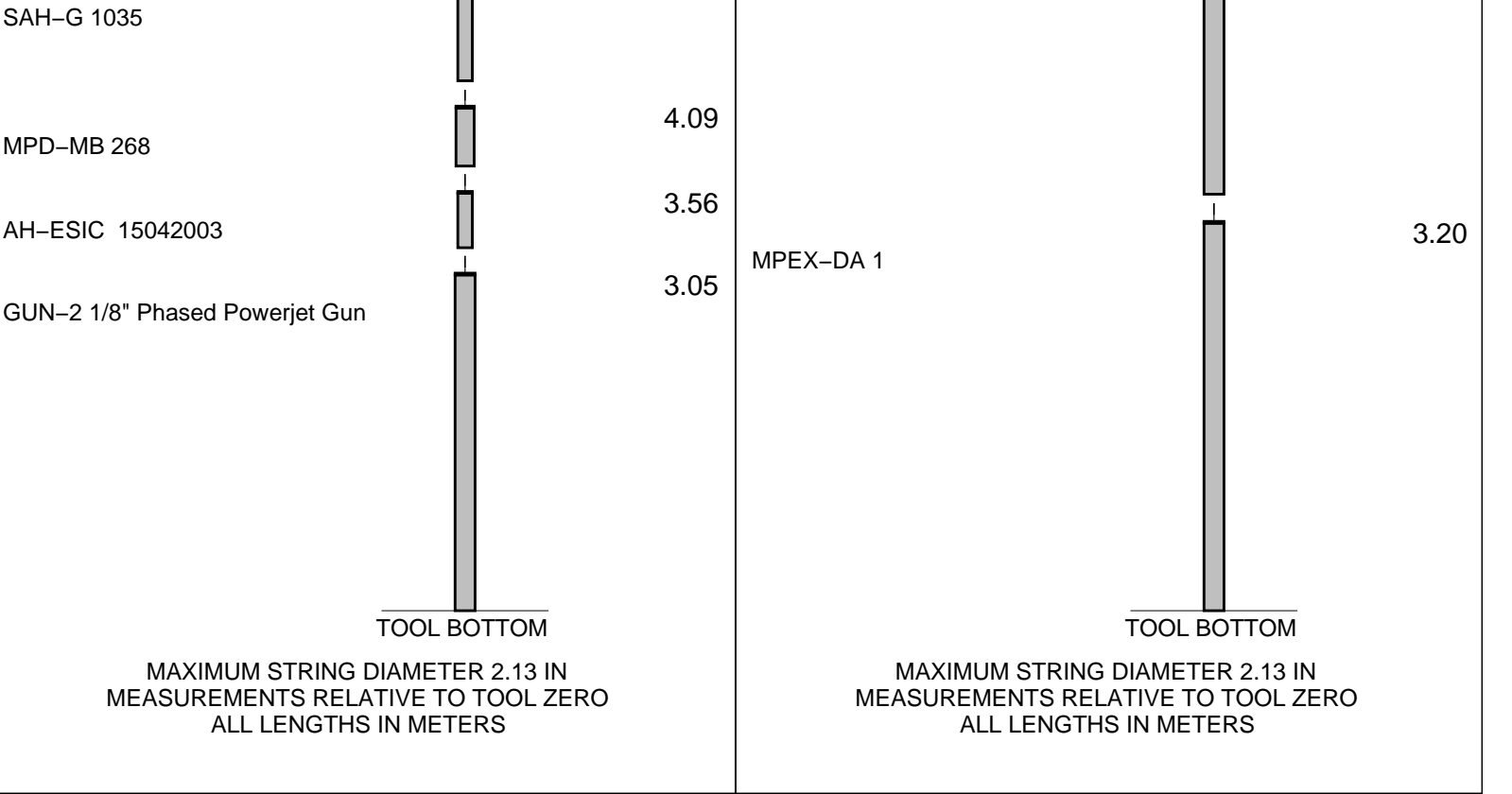
DISCLAIMER

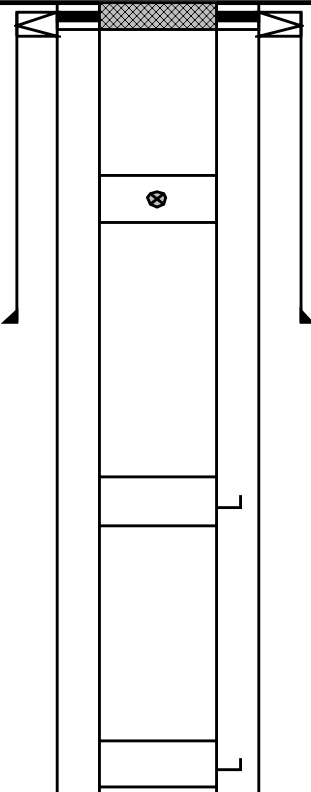
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (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.

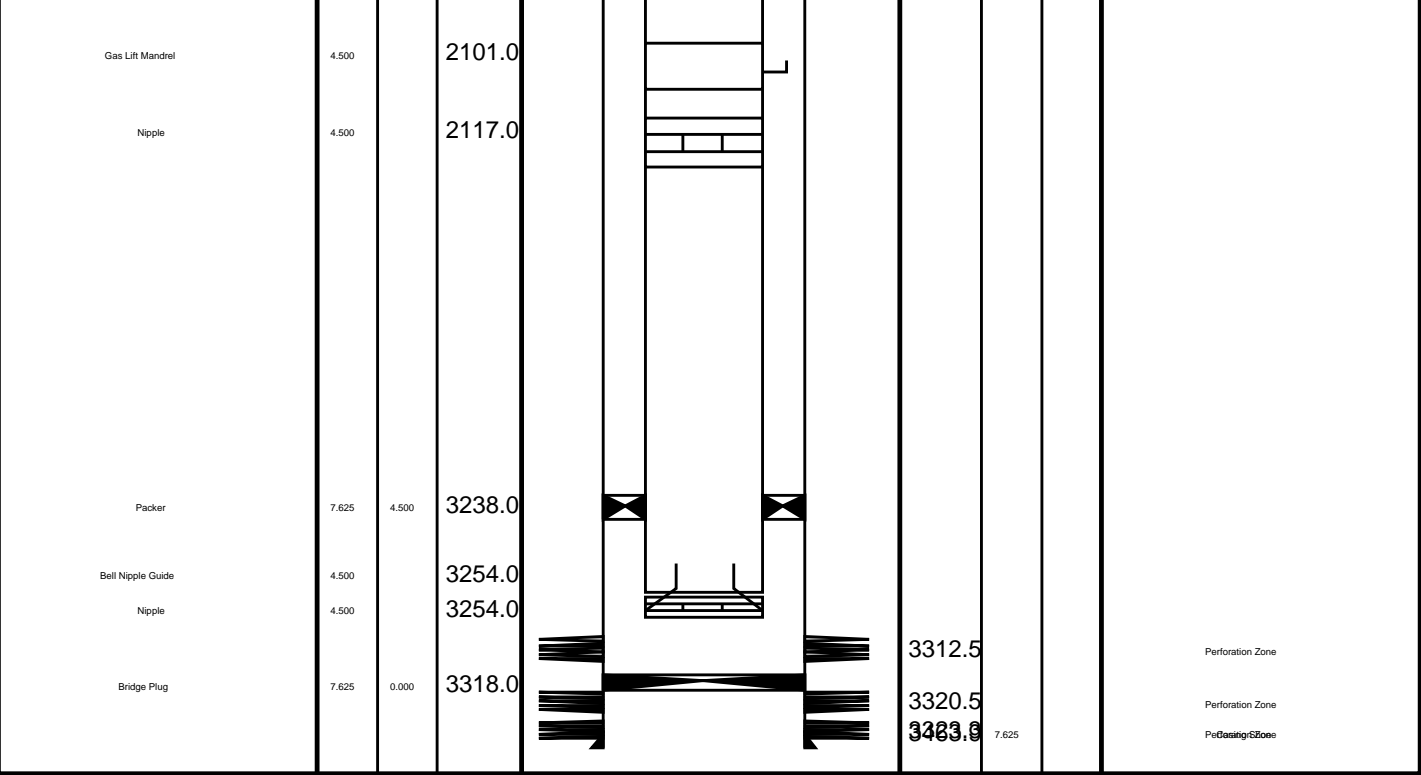
OTHER SERVICES1 OS1: None

REMARKS: RUN NUMBER 1
Log correlated to ExxonMobil correlation log supplied with program.
Maximum well deviation = 52 degrees at 1767m MDKB.
Run one, 2 1/8" Phased Powerjet perforation over the interval
3312.5m to 3314.5m MDKB.
SBHP = 3207 psia, SBHT = 221 degf.
Attempted to underbalance well, gun fired at 3130 psia.
7 5/8" Mpbtt was then set at 3318m MDKB.
Followed by water dump run then cement dumped on top

of the plug.					
HUD = 3317m MDKB.					
Crew : Jake Annear & Chris Shiells.					
RUN 1			RUN 2		
SERVICE ORDER #:		Ausl07328226			
PROGRAM VERSION:		14C0-302			
FLUID LEVEL:					
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT			SURFACE EQUIPMENT		
MWPM-AA 3000			MPBM		
DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
AH-SWBS 731		12.66	AH-SWBS-B 761		12.46
AH-SWBS 761		11.97	AH-SWBS-B 762		11.77
AH-SWBS 762		11.28	AH-SWBS-B 763		11.08
AH-SWBS AH-SWBS 763		10.60	MH-SWHS-B 753		10.40
MH-SWHS 726		9.91	CCL-L 4191		10.07
MWPG-AA 24 MWGH-AA 19	MWPG GR  2.41	9.58	MPSU-CA 1102		9.61
MWPH-AA 11 MWPS-AA 94		8.60			
	CCL SMWP Pres SMWP Temp Tension  TOOL ZERO				
AH-Flex-Joint 42		5.79			
		5.02			



Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing Hanger	4.500	4.500	18.1		18.8 18.8	7.625 10.750	7.625	Casing String Liner Hanger
Shutin Valve	4.500		450.7					
Gas Lift Mandrel	4.500		1080.0		661.9	10.750		Casing Shoe
Gas Lift Mandrel	4.500		1621.0					
Gas Lift Mandrel	4.500							



Job Event Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
Simulated Log	26-May-2007 7:08	001:13	PERFO_028LUP
Simulated Log	26-May-2007 9:18	000:54	PERFO_029LUP
Log Pass (down)	26-May-2007 11:06	000:60	949.9 - 3360.1 PERFO_031LDP
Log Pass (up)	26-May-2007 12:06	000:07	3360.1 - 3293.8 PERFO_033LUP
Log Pass (up)	26-May-2007 12:15	000:06	3334.4 - 3297.2 PERFO_034LUP
Log Pass (up)	26-May-2007 12:24	000:41	3328.7 - 3279.3 PERFO_035LUP
Station Log	26-May-2007 12:29	000:33	3308.9 - 5.0 PERFO_036LTP
Log Pass (up)	26-May-2007 13:06	000:02	3260.1 - 3220.5 PERFO_037LUP
Log Pass (down)	26-May-2007 15:07	000:59	57.2 - 3334.1 CCL_043LDP
Log Pass (up)	26-May-2007 16:06	000:05	3334.1 - 3278.7 CCL_044LUP
Log Pass (up)	26-May-2007 16:15	000:07	3338.8 - 3310.9 CCL_045LUP
Simulated Log	26-May-2007 16:22	001:13	CCL_046LUP
Simulated Log	26-May-2007 17:54	000:00	CCL_049LUP
Log Pass (up)	26-May-2007 17:55	000:58	2504.5 - -4.0 CCL_050LUP
Log Pass (down)	27-May-2007 7:10	001:01	10.7 - 3305.3 PERFO_056LDP
Log Pass (up)	27-May-2007 8:11	000:06	3305.3 - 3268.4 PERFO_057LUP
Log Pass (up)	27-May-2007 8:28	000:54	3235.0 - 6.2 PERFO_058LUP

Log Pass (up) 27-May-2007 8:28 000:34 2735.0 - -6.2 PERFO_059LUP
Log Pass (down) 27-May-2007 9:59 000:38 16.5 - 3308.8 PERFO_060LDP
Log Pass (up) 27-May-2007 10:37 000:07 3308.8 - 3270.8 PERFO_061LUP



Cement Dump Pass
Dumped @ 3317.5m MDKB

MAXIS Field Log

Output DLIS Files

DEFAULT PERFO_061LUP FN:59 PRODUCER 27-May-2007 10:37 3308.8 M 3270.8 M

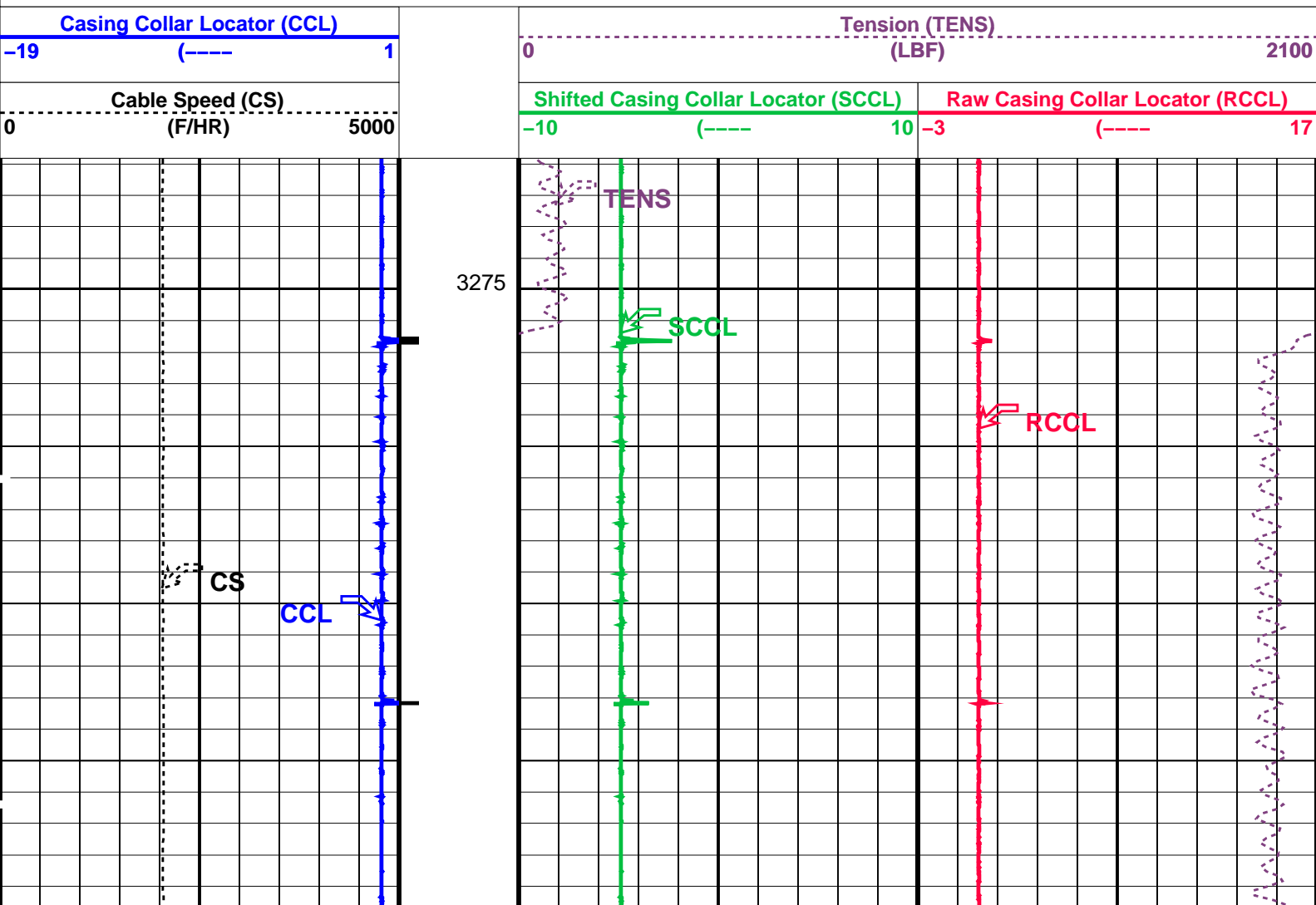
OP System Version: 14C0-302
MCM

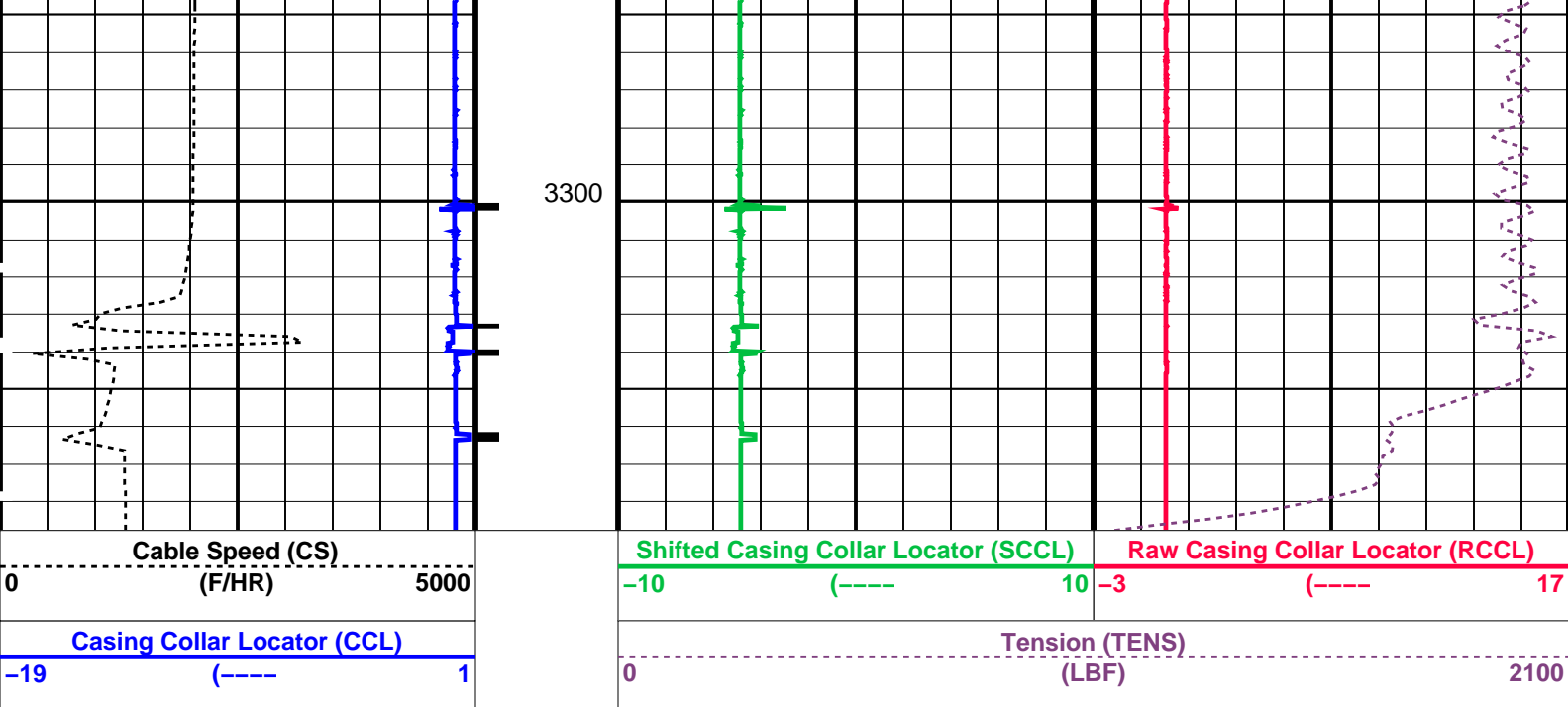
SHM_GUN 14C0-302 CCL-L 14C0-302

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	0.3 V

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 27-May-2007 10:37

OP System Version: 14C0-302			
MCM			
SHM_GUN	14C0-302	CCL-L	14C0-302

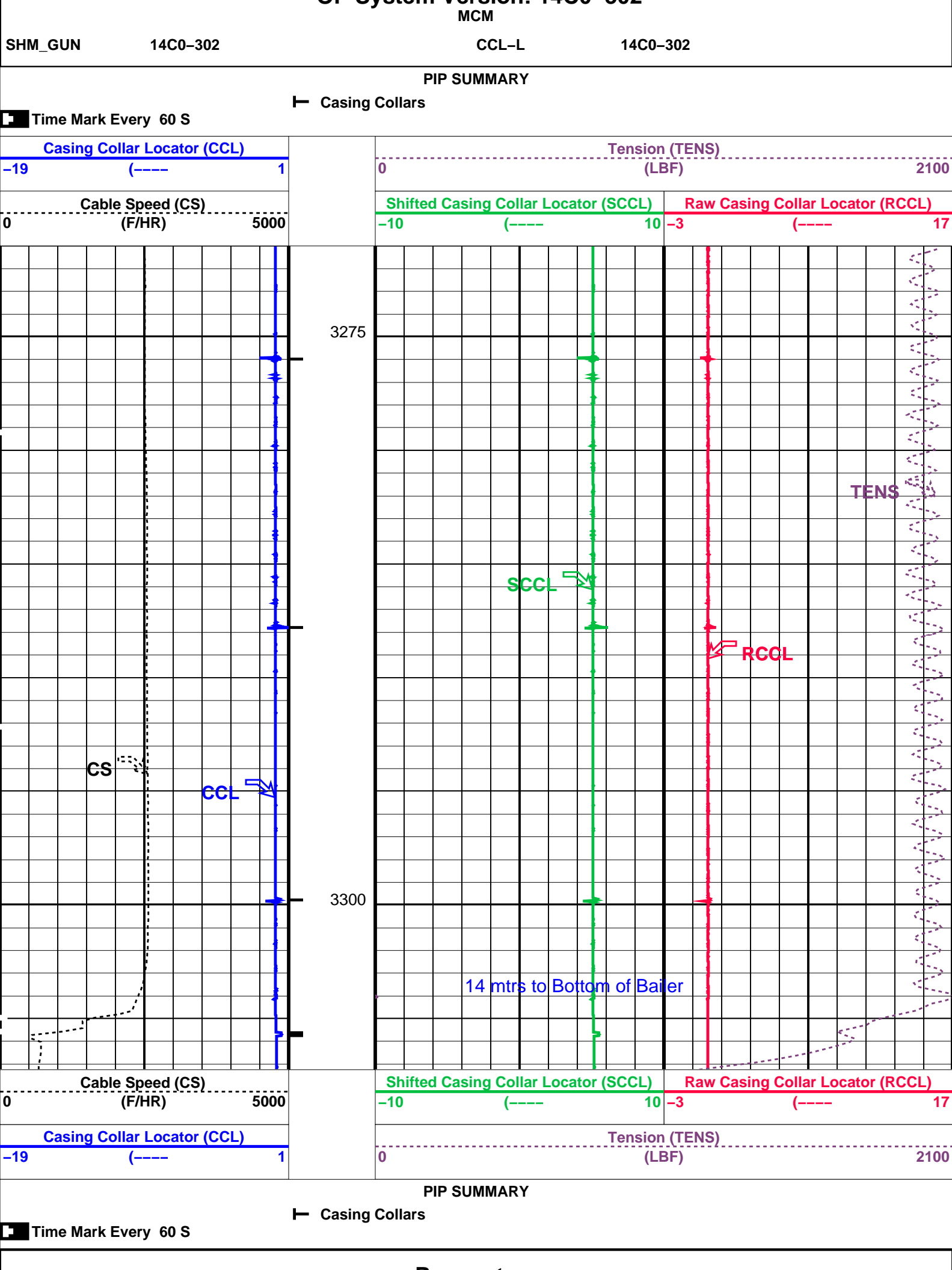
Output DLIS Files			
DEFAULT	PERFO_061LUP	FN:59	PRODUCER 27-May-2007 10:37



Water Dump Pass
Dumped @ 3317.5m MDKB

MAXIS Field Log

Input DLIS Files					
DEFAULT	PERFO_057LUP	FN:55	PRODUCER	27-May-2007 08:11	3305.3 M 3268.4 M
Output DLIS Files					
DEFAULT	PERFO_058PUP	FN:56	PRODUCER	27-May-2007 08:20	3307.2 M 3271.0 M




Parameters			
DLIS Name	Description	Value	
CCLD CCLT	CCL-L: Casing Collar Locator	12	IN
	CCL reset delay	0.3	V
	CCL Detection Level	2.0	M
DO PP	System and Miscellaneous	NORMAL	
	Depth Offset for Playback Playback Processing		

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 27-May-2007 08:20

OP System Version: 14C0-302			
MCM			
SHM_GUN	14C0-302	CCL-L	14C0-302

Input DLIS Files					
DEFAULT	PERFO_057LUP	FN:55	PRODUCER	27-May-2007 08:11	3305.3 M 3268.4 M
Output DLIS Files					
DEFAULT	PERFO_058PUP	FN:56	PRODUCER	27-May-2007 08:20	



7 5/8" MPBT Plug
Set @ 3318m MDKB

MAXIS Field Log

Output DLIS Files			
DEFAULT	CCL_046LUP	FN:44	PRODUCER 26-May-2007 16:22

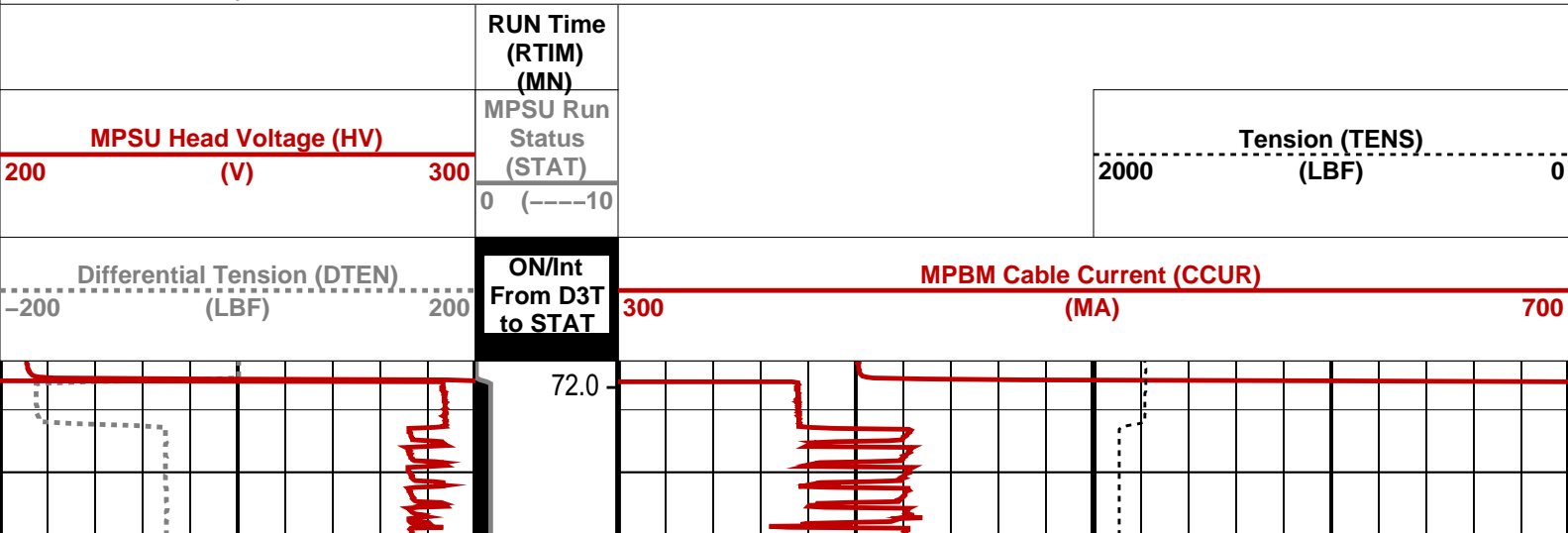
OP System Version: 14C0-302			
MCM			
MPEX-CA	14C0-302	MPSU-CA	14C0-302
CCL-L	14C0-302		

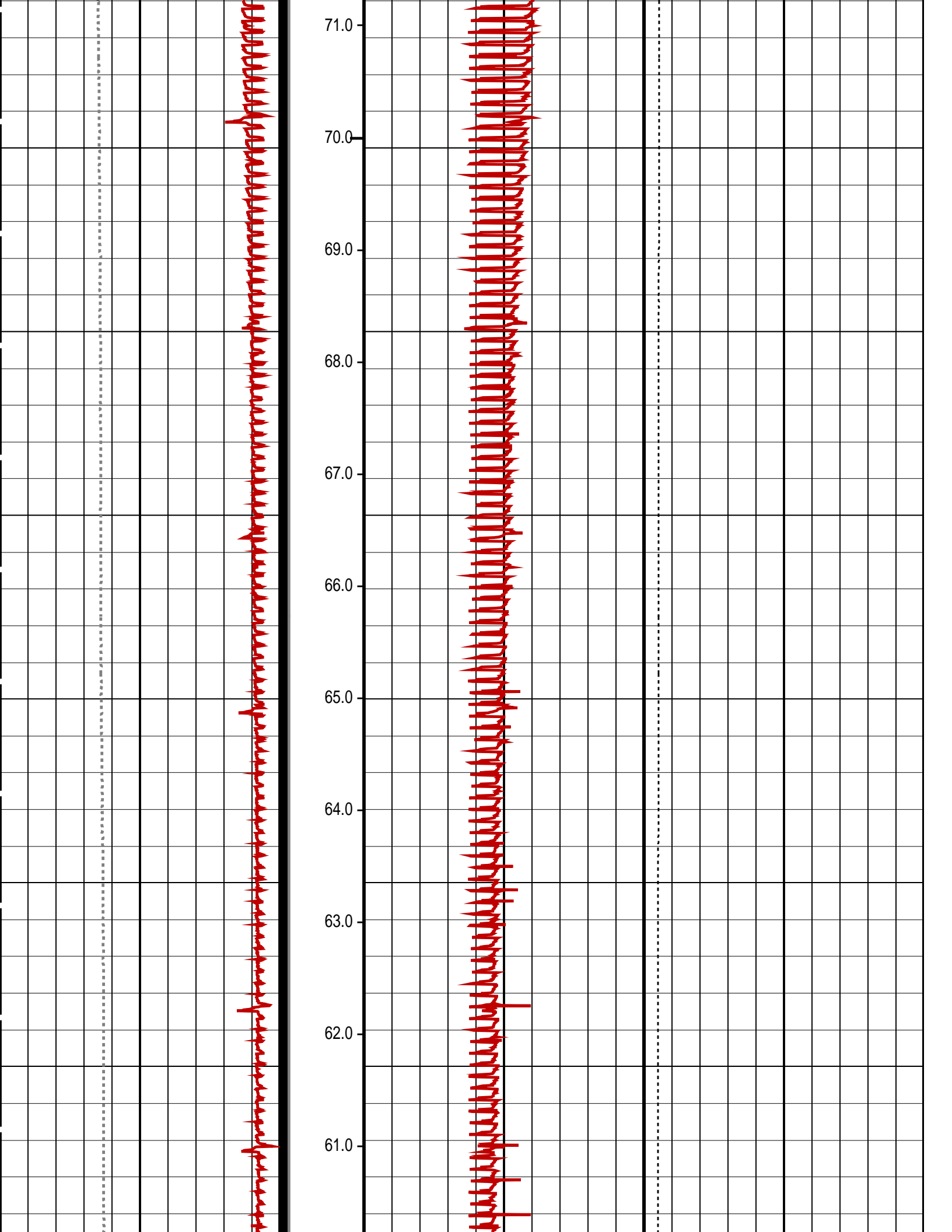
PIP SUMMARY

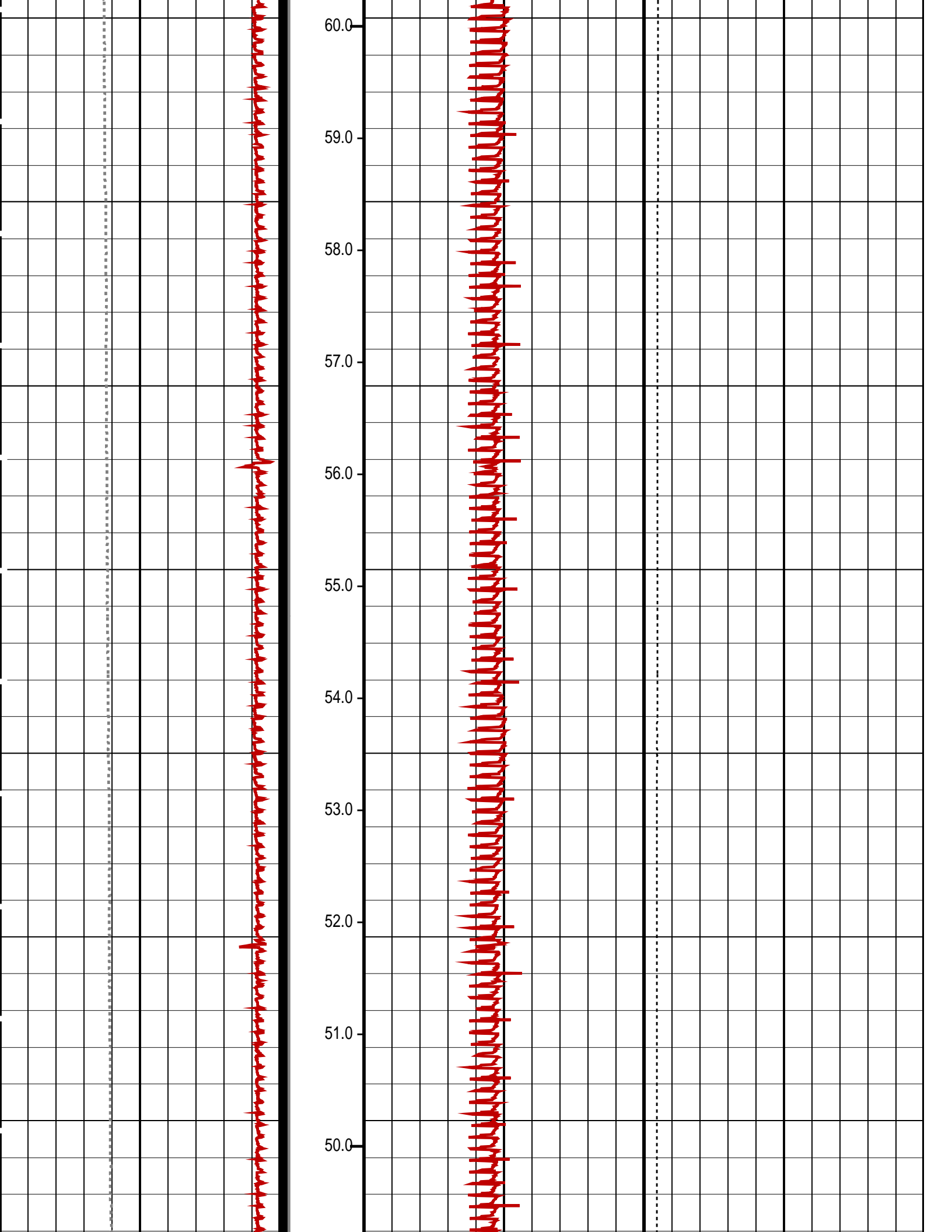
⊖ MPSU Run Time Every 1 MN

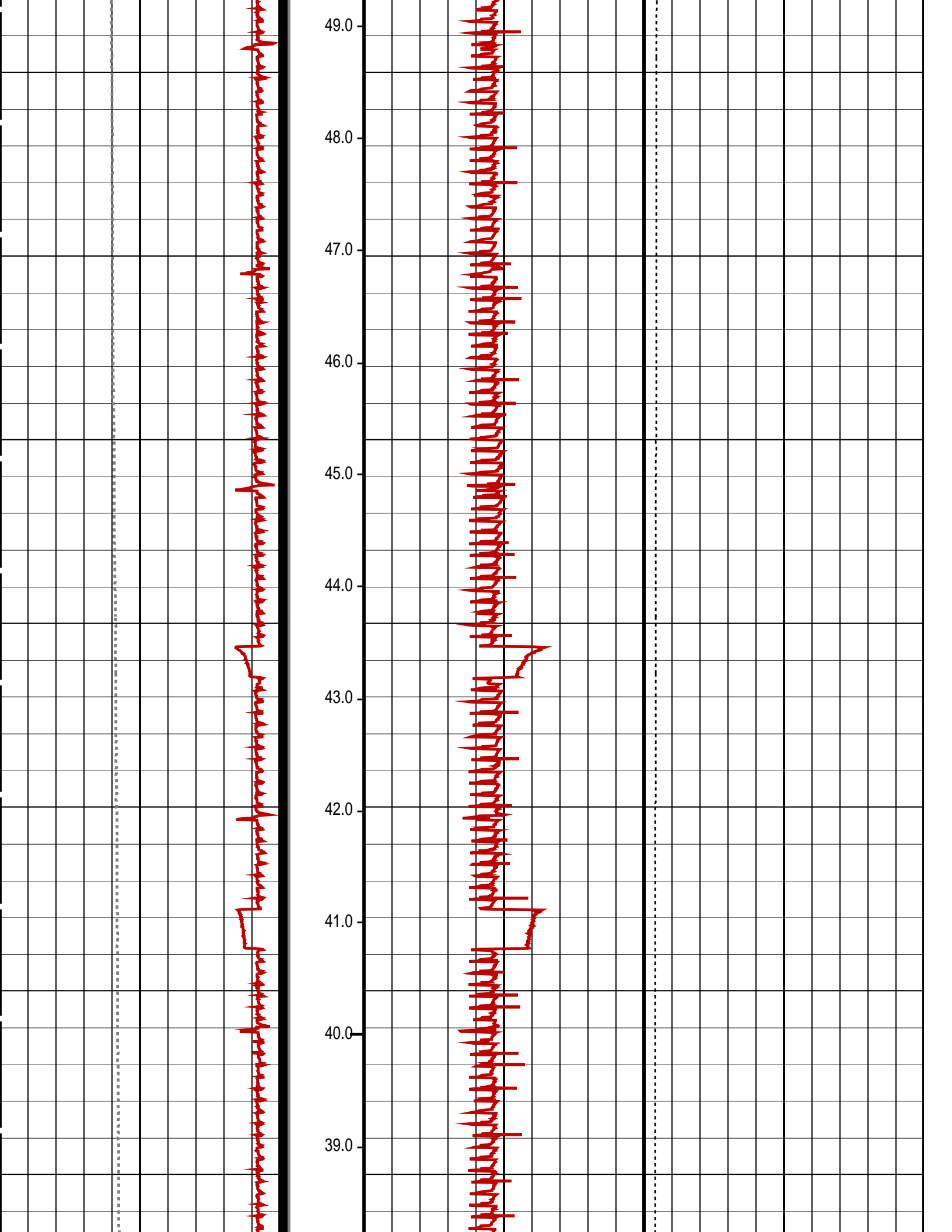
⊖ MPSU Run Time Every 10 MN

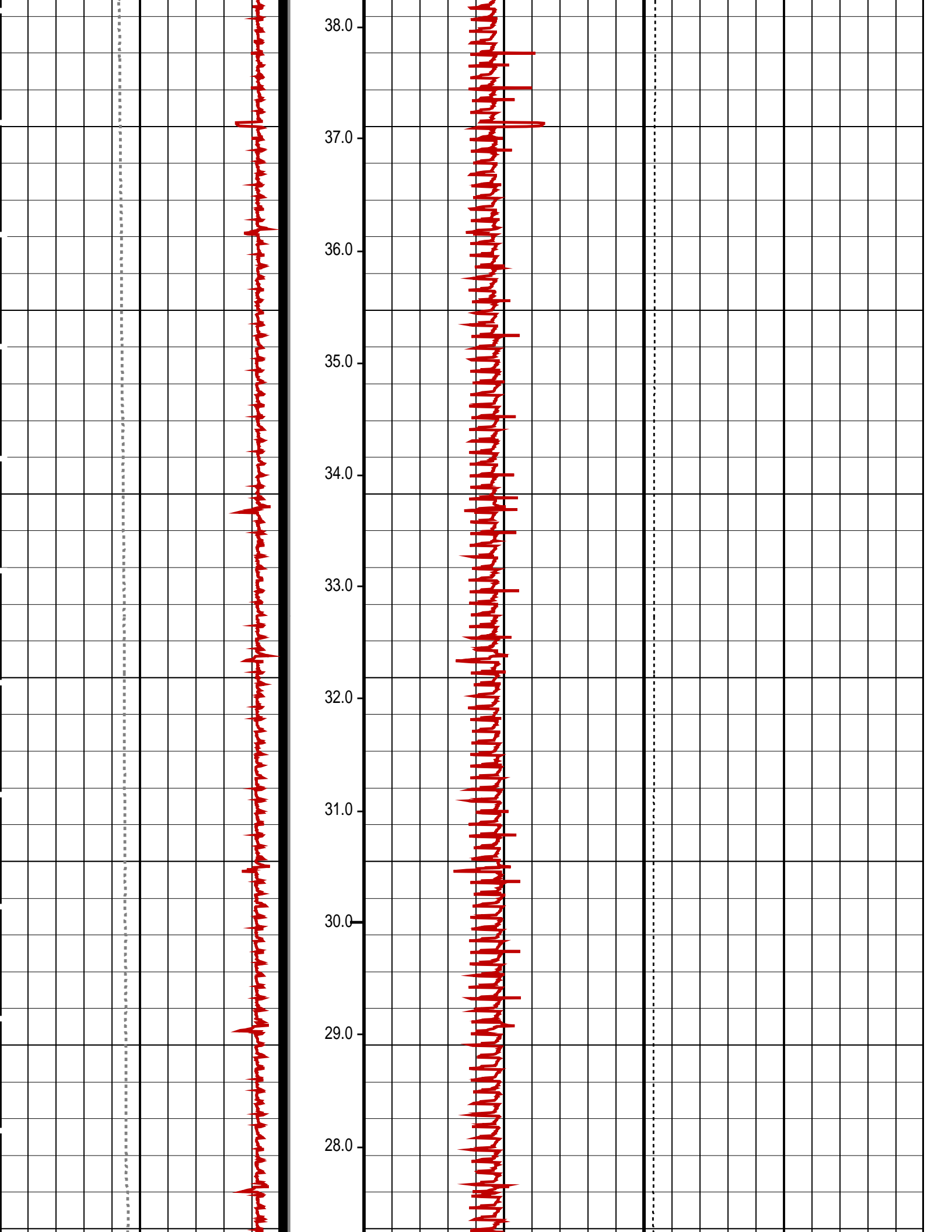
Time Mark Every 60 S

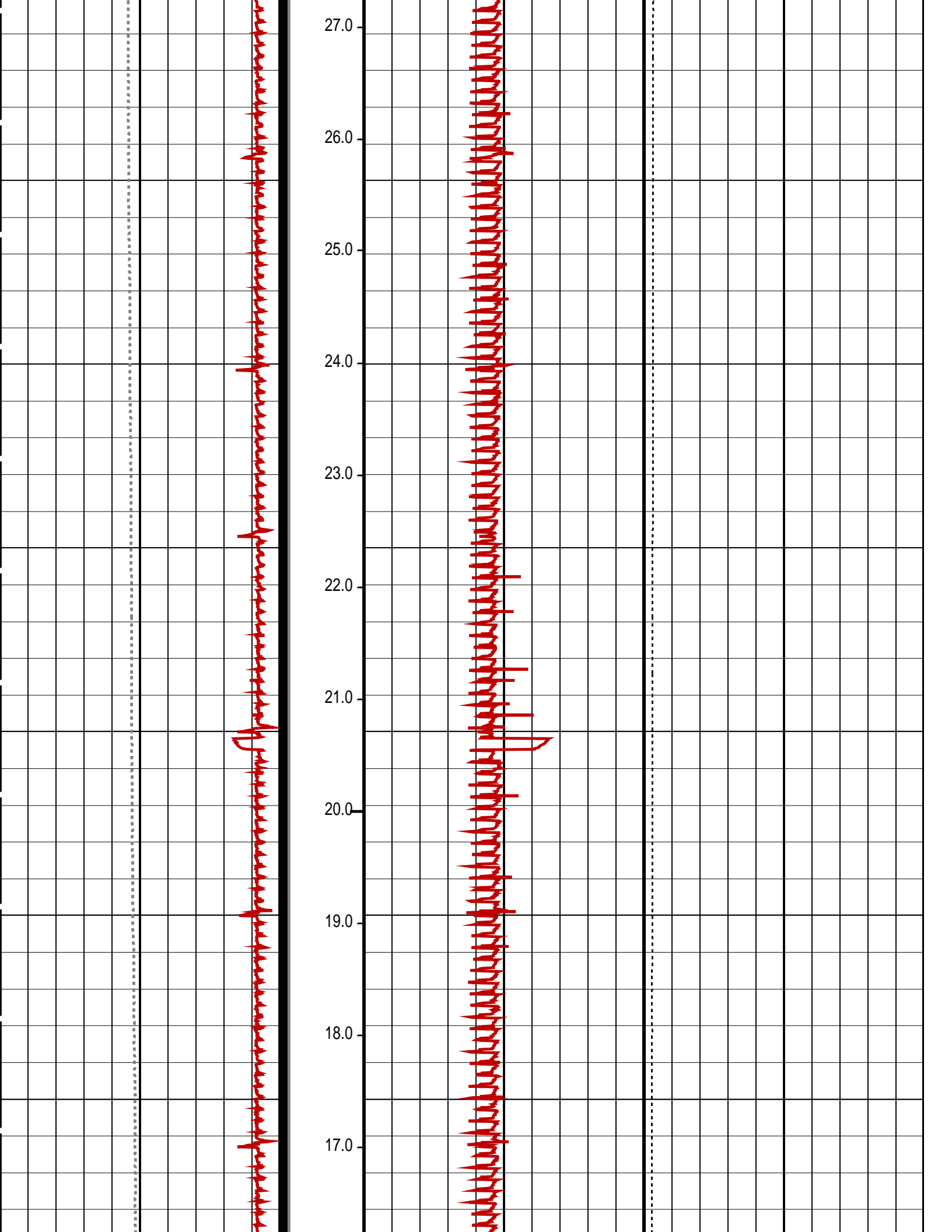


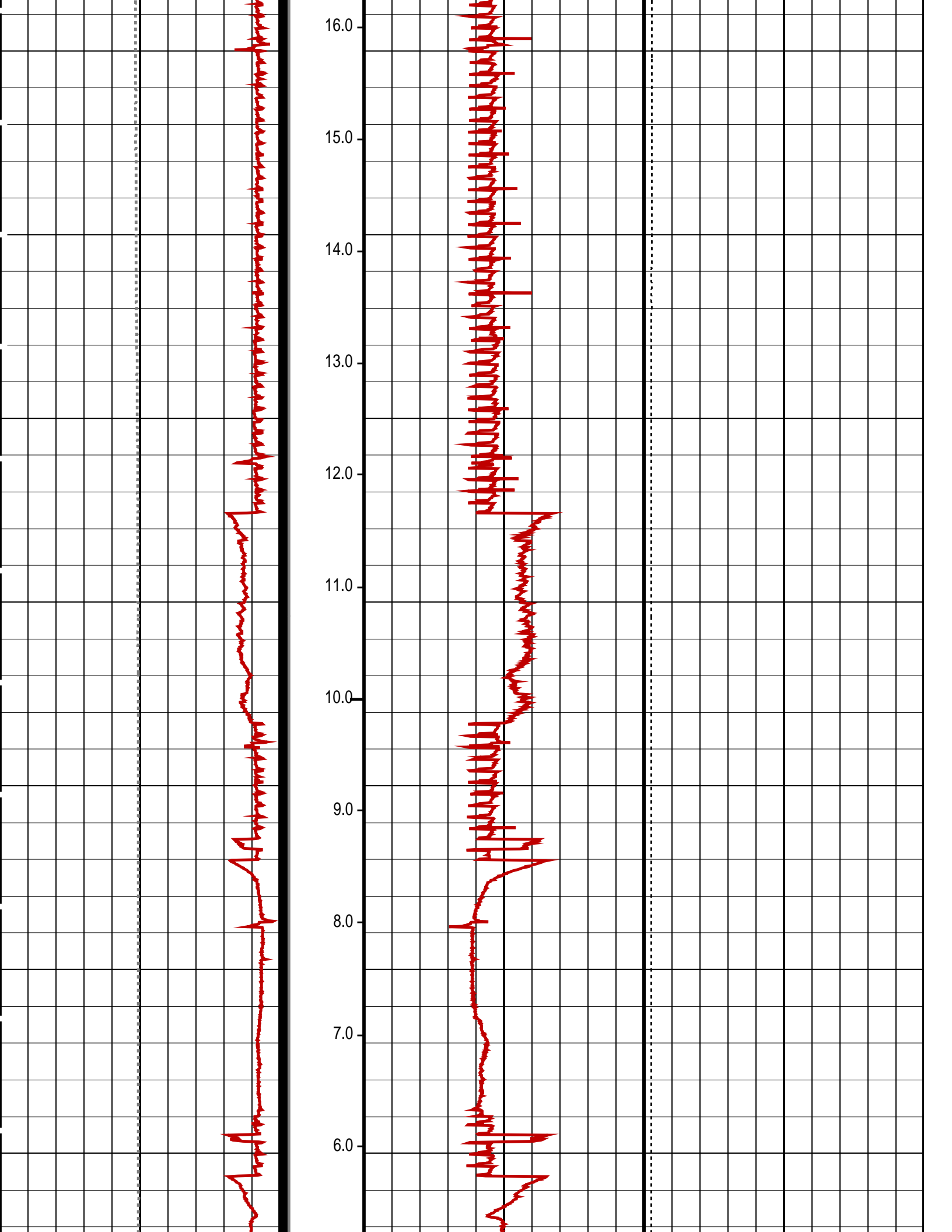


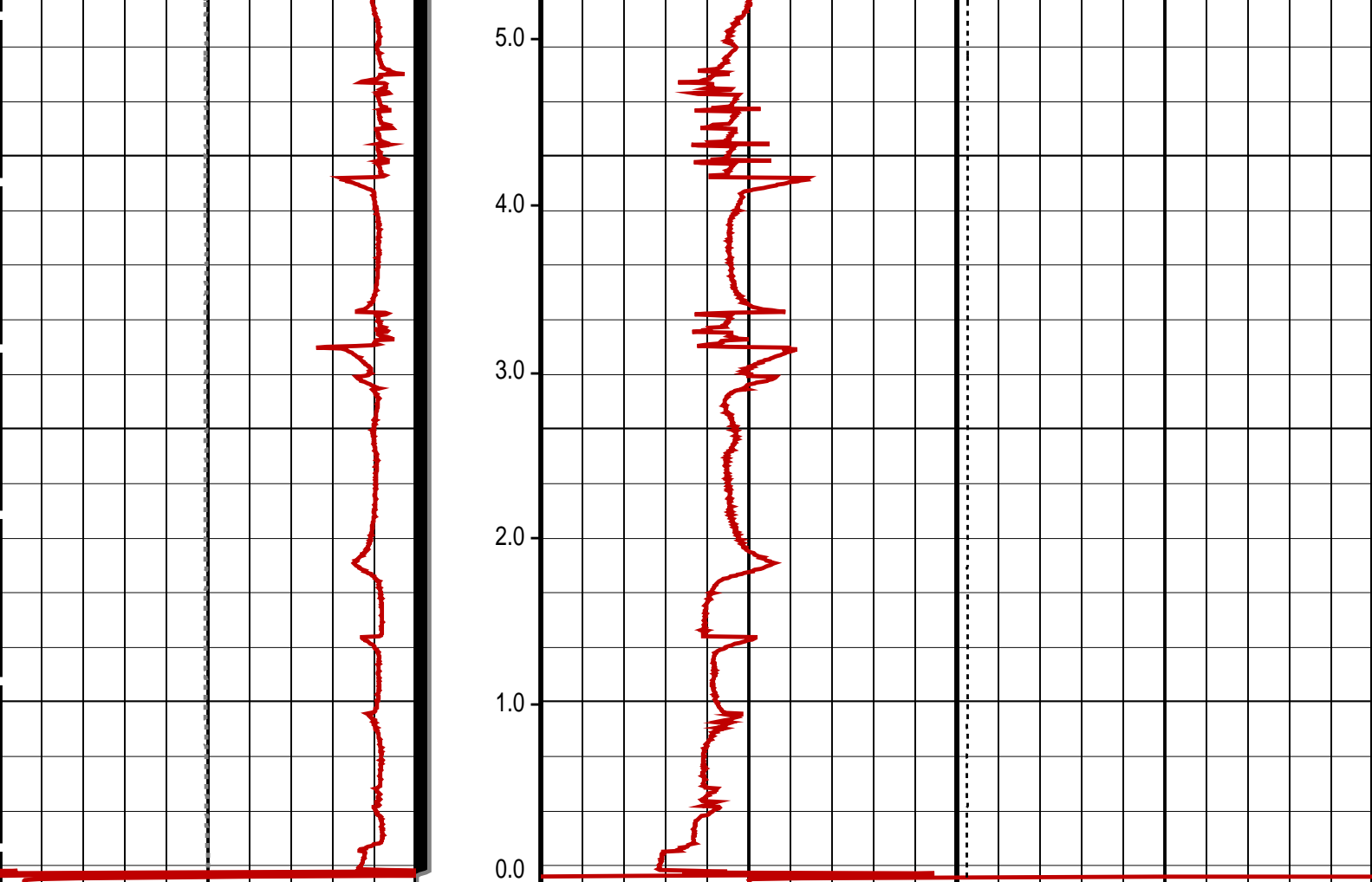












Differential Tension (DTEN) (LBF)	ON/Int From D3T to STAT	MPBM Cable Current (CCUR) (MA)
-200200		300700
MPSU Head Voltage (HV) (V)	MPSU Run Status (STAT)	Tension (TENS) (LBF)
200300	0 (----10	20000
	RUN Time (RTIM) (MN)	

PIP SUMMARY

- ↵ MPSU Run Time Every 1 MN
- MPSU Run Time Every 10 MN

Time Mark Every 60 S

Parameters

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

Format: MPBT Vertical Scale: 1:600 Graphics File Created: 26-May-2007 16:22

OP System Version: 14C0-302 MCM

MPEX-CA	14C0-302	MPSU-CA	14C0-302
CCL-L	14C0-302		

Output DLIS Files

DEFAULT	CCL_046LUP	FN:44	PRODUCER	26-May-2007 16:22
---------	------------	-------	----------	-------------------



MPBT Correlation Pass

MAXIS Field Log

Input DLIS Files

DEFAULT CCL_044LUP FN:42 PRODUCER 26-May-2007 16:06 3334.1 M 3278.7 M

Output DLIS Files

DEFAULT CCL_048PUP FN:46 PRODUCER 26-May-2007 17:41 3337.6 M 3282.7 M

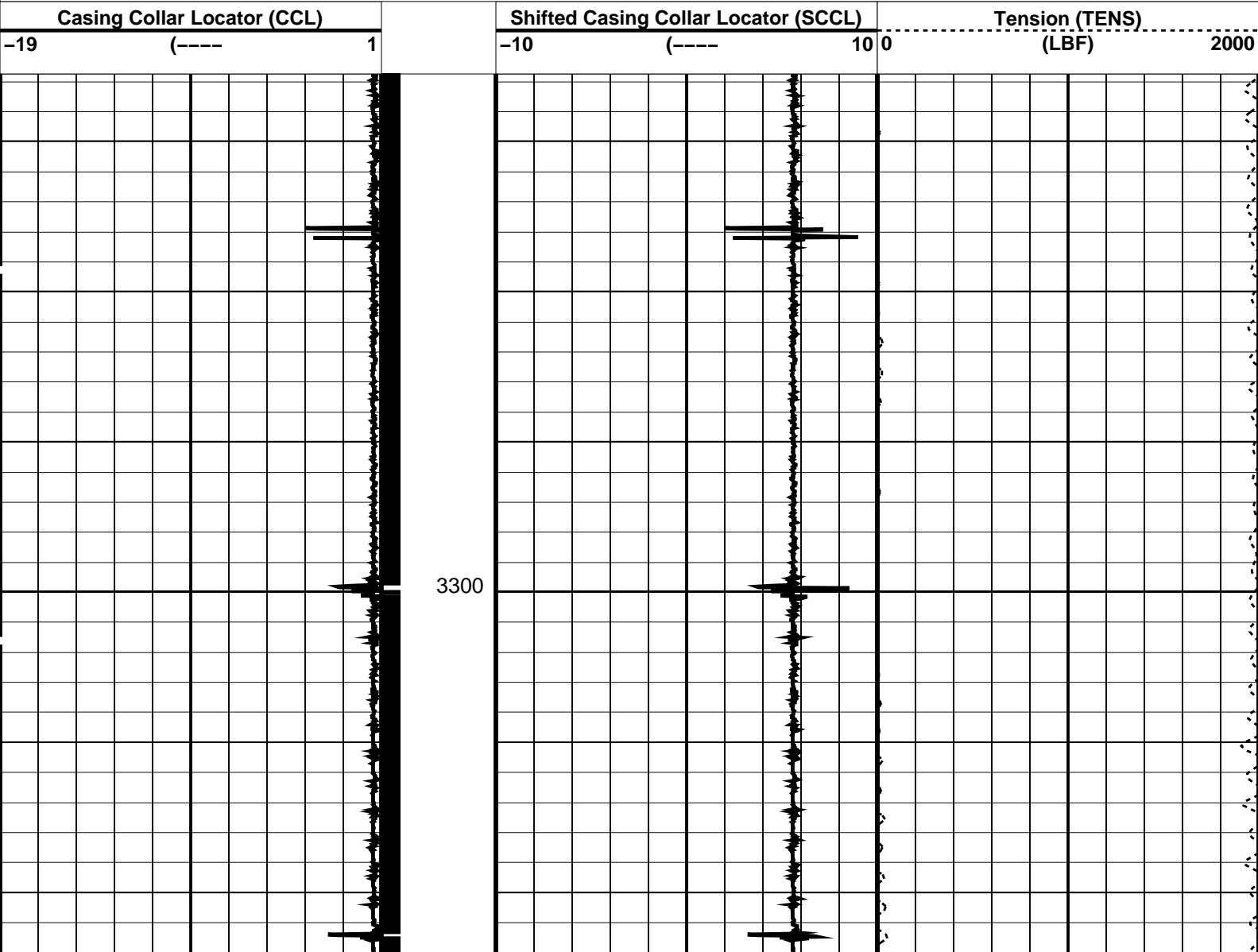
OP System Version: 14C0-302
MCM

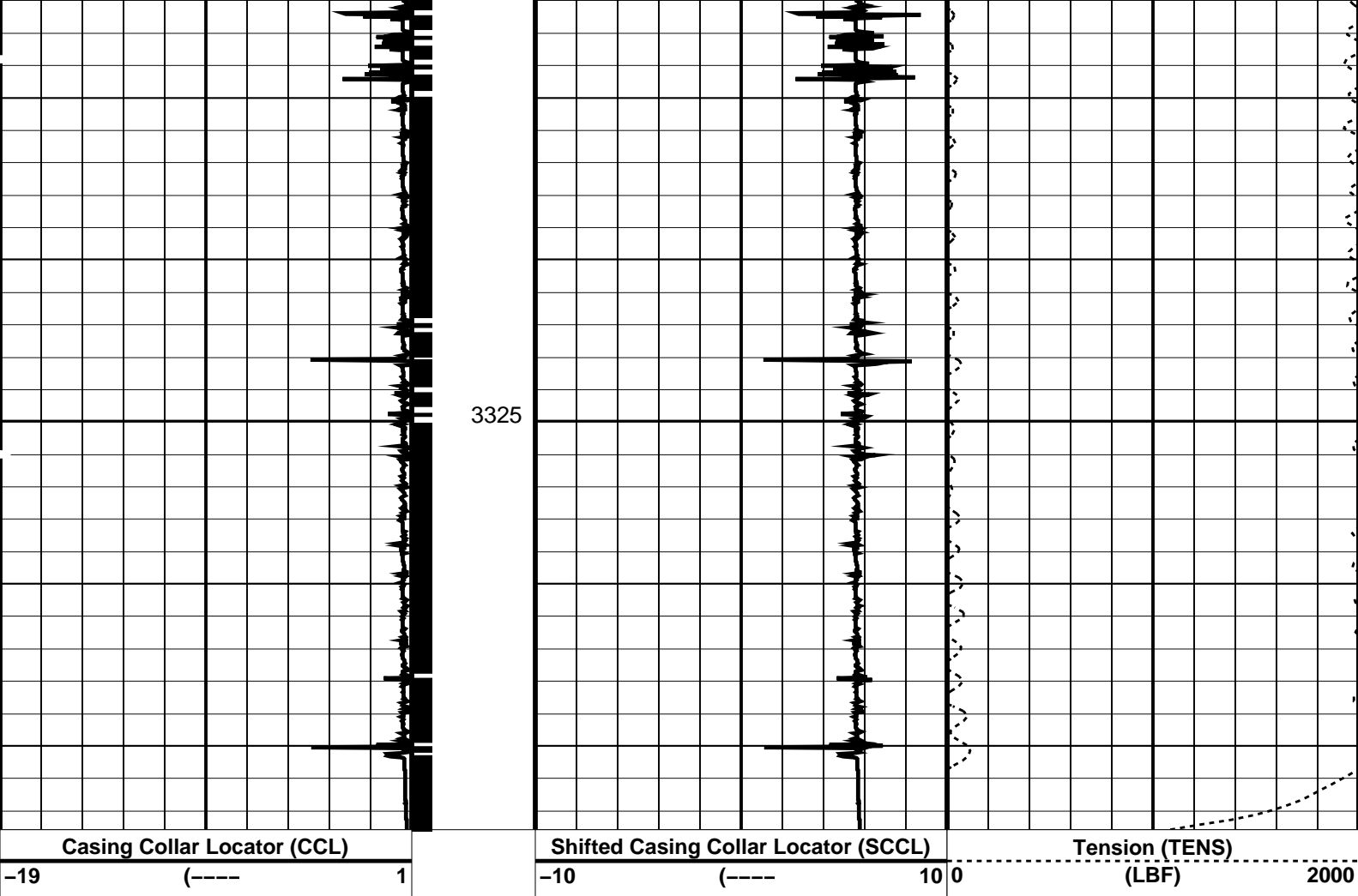
MPEX-CA 14C0-302 MPSU-CA 14C0-302
CCL-L 14C0-302

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	0.3 V
DO	System and Miscellaneous	
PP	Depth Offset for Playback	3.5 M
	Playback Processing	NORMAL

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 26-May-2007 17:41

OP System Version: 14C0-302

MCM

MPEX-CA	14C0-302	MPSU-CA	14C0-302
CCL-L	14C0-302		

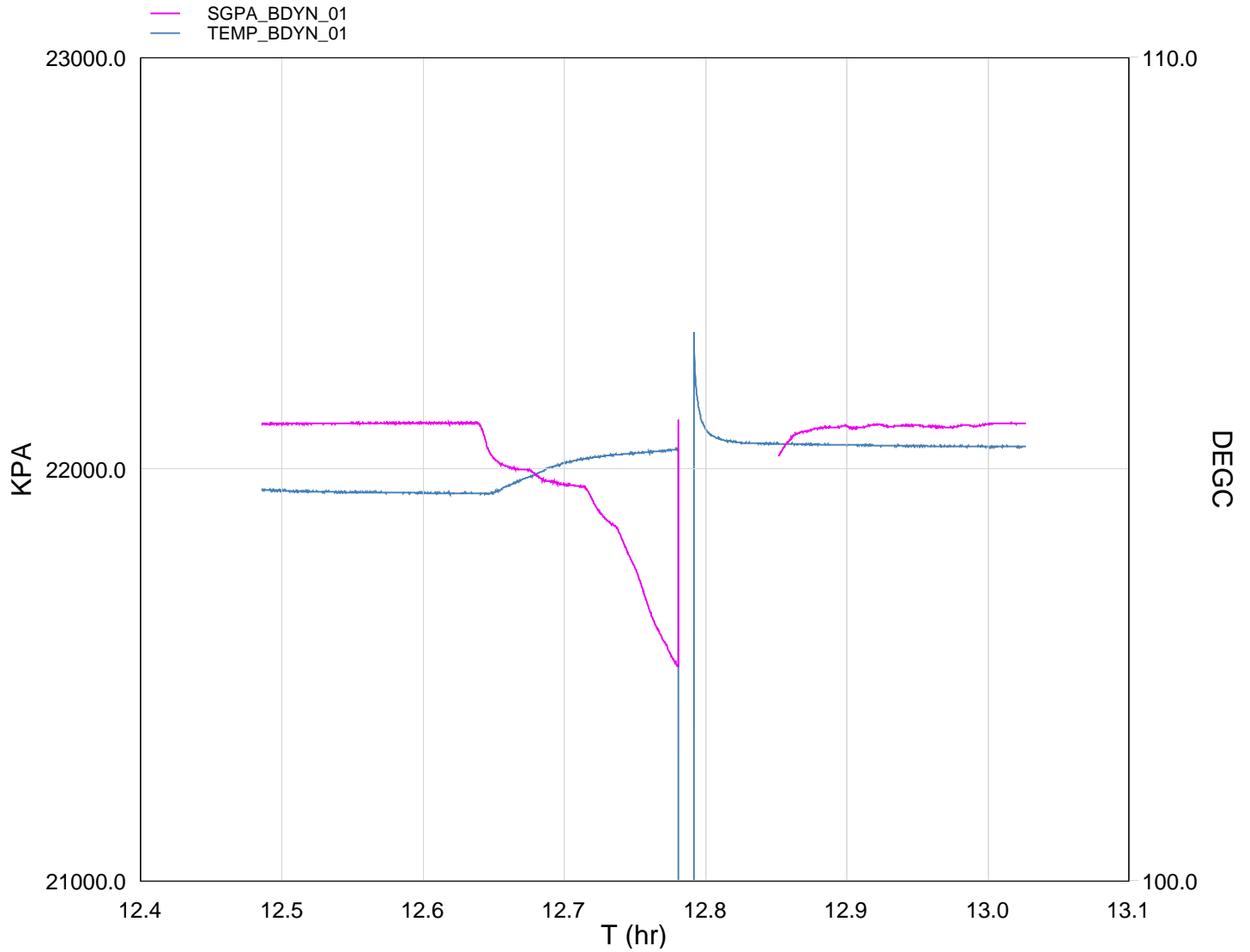
Input DLIS Files

DEFAULT	CCL_044LUP	FN:42	PRODUCER	26-May-2007 16:06	3334.1 M	3278.7 M
---------	------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	CCL_048PUP	FN:46	PRODUCER	26-May-2007 17:41		
---------	------------	-------	----------	-------------------	--	--

MAXIS Field Log



TIME	DEGF	PSIA
6960.0	221.50	3207.045
6900.0	221.51	3206.972
6840.0	221.51	3206.353
6780.0	221.51	3205.662
6720.0	221.51	3206.176
6660.0	221.53	3206.280
6600.0	221.52	3206.589
6540.0	221.54	3205.485
6480.0	221.54	3205.631
6420.0	221.56	3204.291
6360.0	221.56	3197.032
6300.0	221.58	3176.459
6240.0	221.61	3148.099

6180.0	221.77	3126.235
6120.0	102.32	9999.999
6060.0	221.41	3130.541
6000.0	221.36	3151.728
5940.0	221.32	3170.453
5880.0	221.26	3179.779
5820.0	221.17	3185.363
5760.0	221.00	3186.909
5700.0	220.78	3190.819
5640.0	220.54	3193.256
5580.0	220.47	3207.070
5520.0	220.48	3207.209
5460.0	220.49	3207.130
5400.0	220.49	3207.293
5340.0	220.50	3207.227
5280.0	220.50	3207.082
5220.0	220.51	3207.015
5160.0	220.52	3206.961
5100.0	220.53	3206.912
5040.0	220.56	3207.020

Company: Esso Australia Pty Ltd.

Well: F-2a

Output DLIS Files

DEFAULT

PERFO_035LUP

FN:33

PRODUCER

26-May-2007 12:24

OP System Version: 14C0-302

MCM

MWP_GUN

14C0-302

MWGT-AA

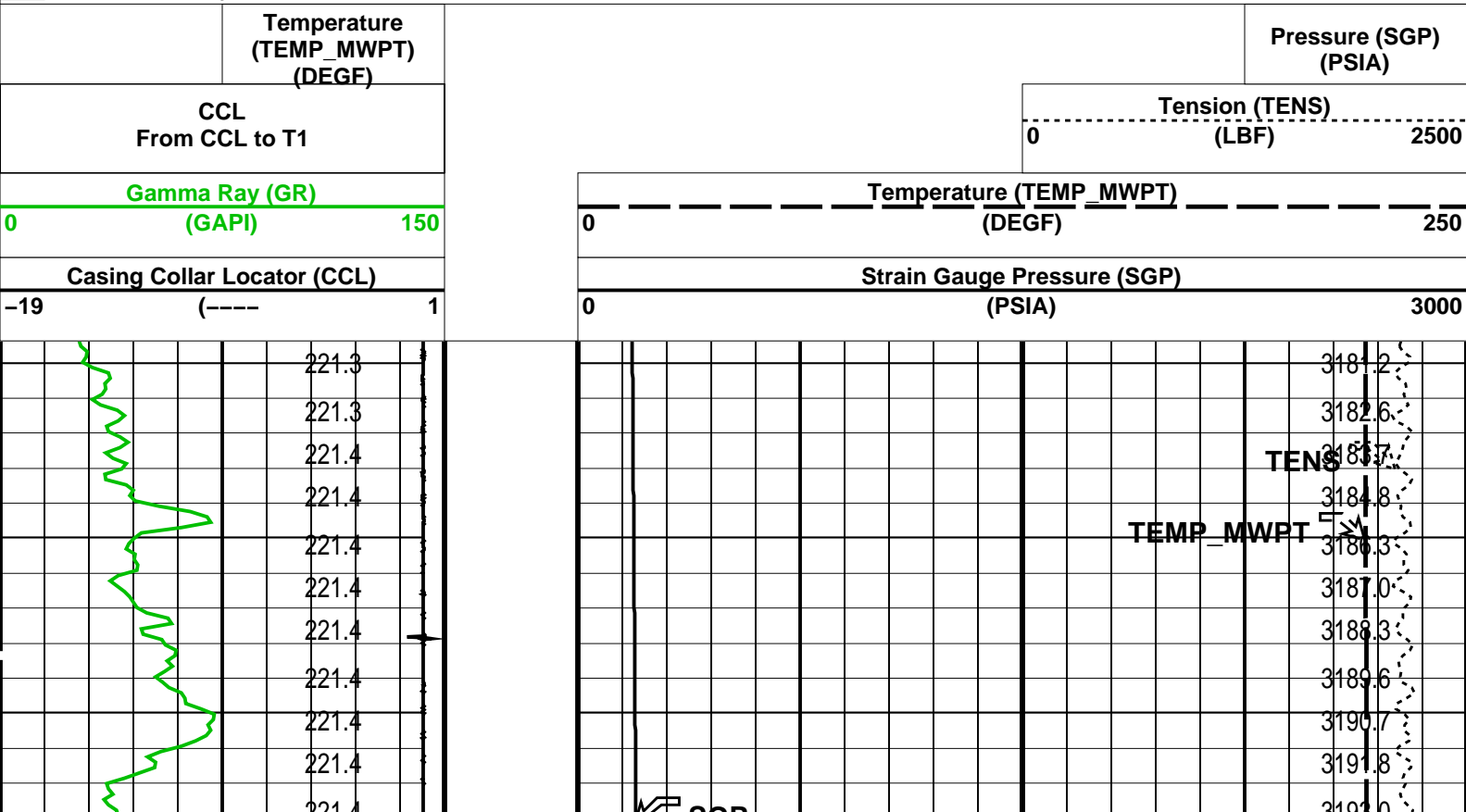
14C0-302

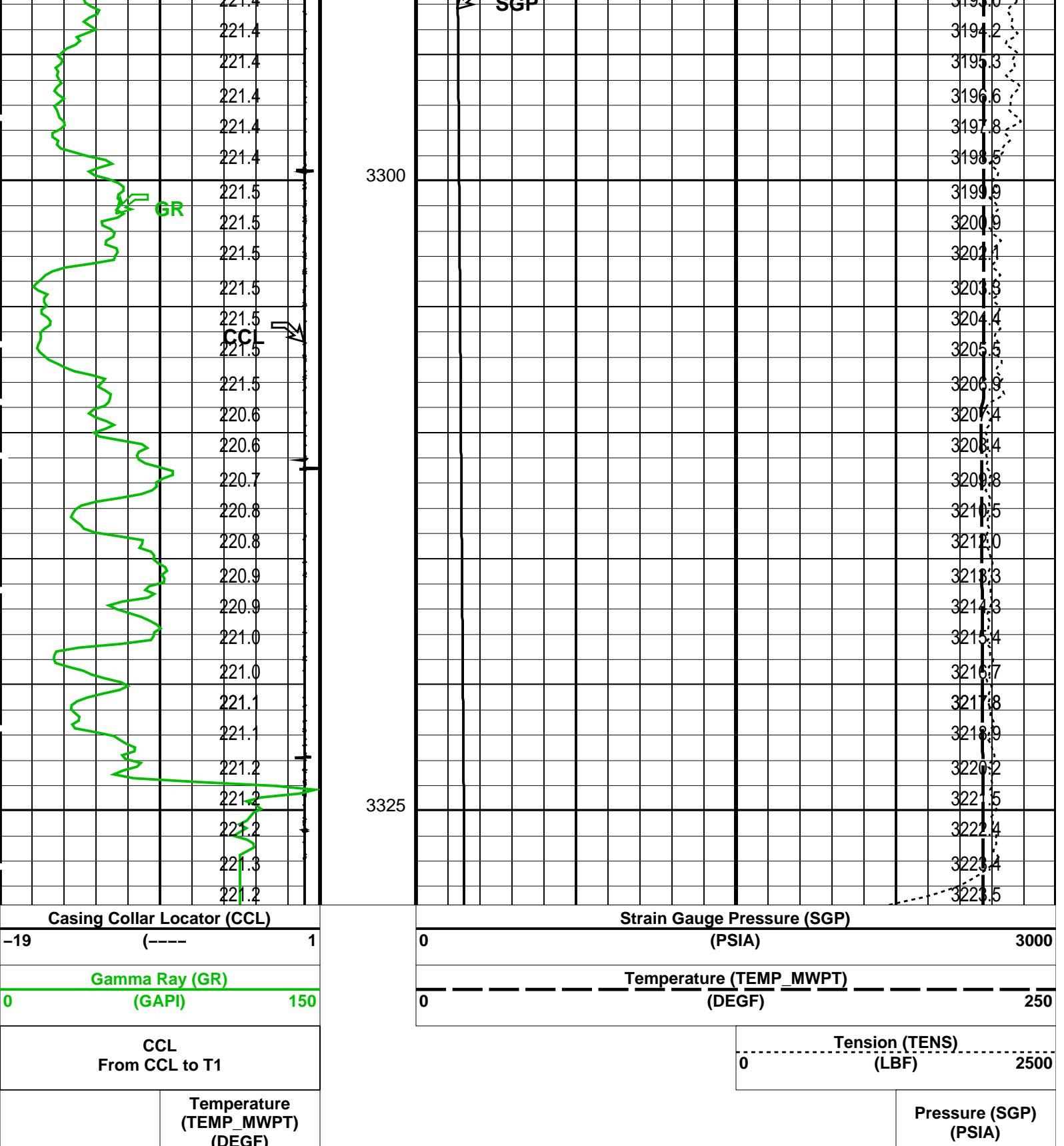
MWPT-CA

14C0-302

PIP SUMMARY

 Time Mark Every 60 S





OP System Version: 14C0-302

MCM

MWP_GUN 14C0-302
MWGT-AA 14C0-302

MWPT-CA 14C0-302

Output DLIS Files

DEFAULT PERFO_035LUP FN:33 PRODUCER 26-May-2007 12:24



Correlation Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: F-2a

Input DLIS Files

DEFAULT PERFO_034LUP FN:32 PRODUCER 26-May-2007 12:15 3334.4 M 3297.2 M

Output DLIS Files

DEFAULT PERFO_039PUP FN:37 PRODUCER 26-May-2007 13:16 3334.4 M 3297.6 M

OP System Version: 14C0-302

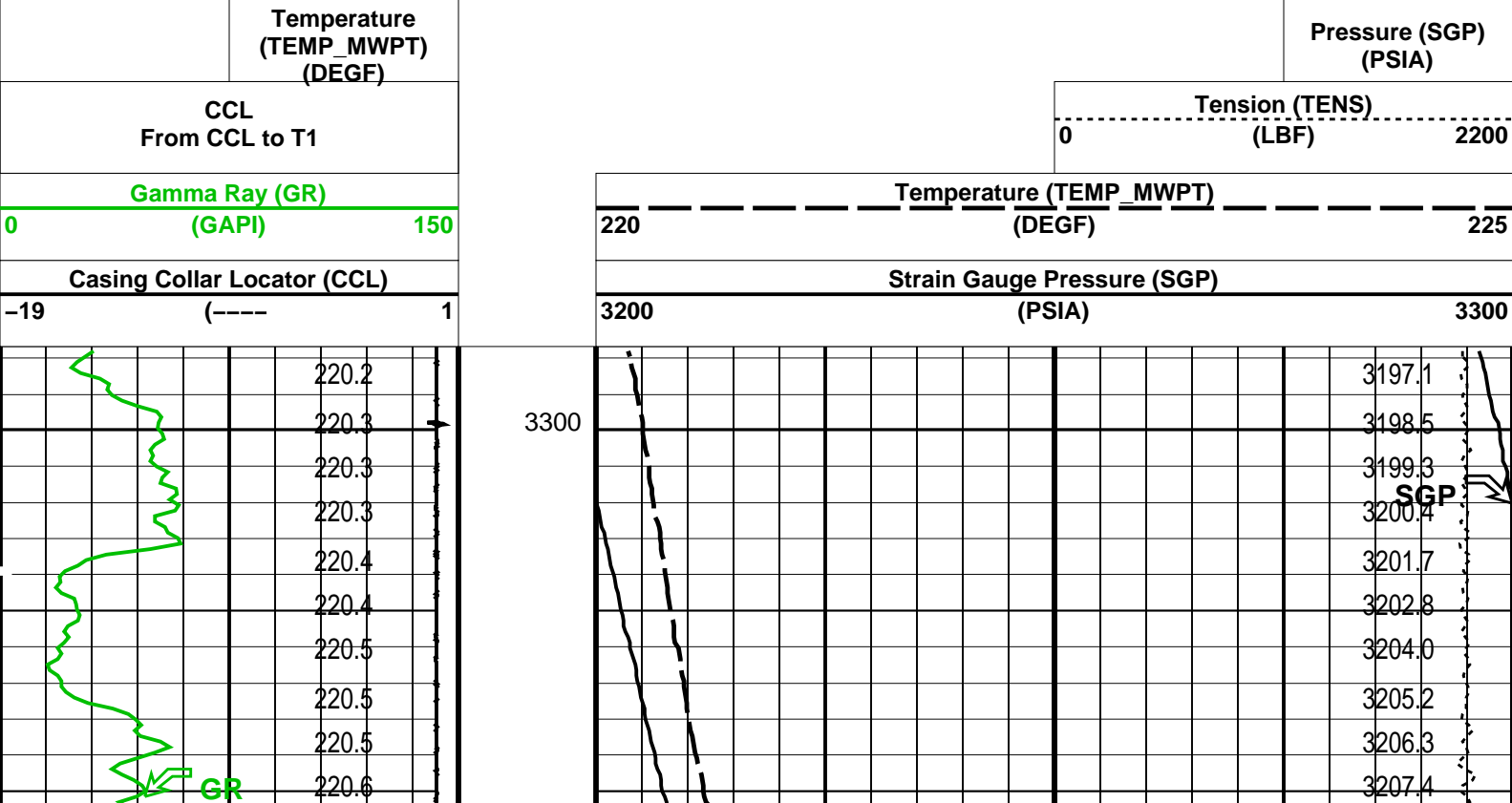
MCM

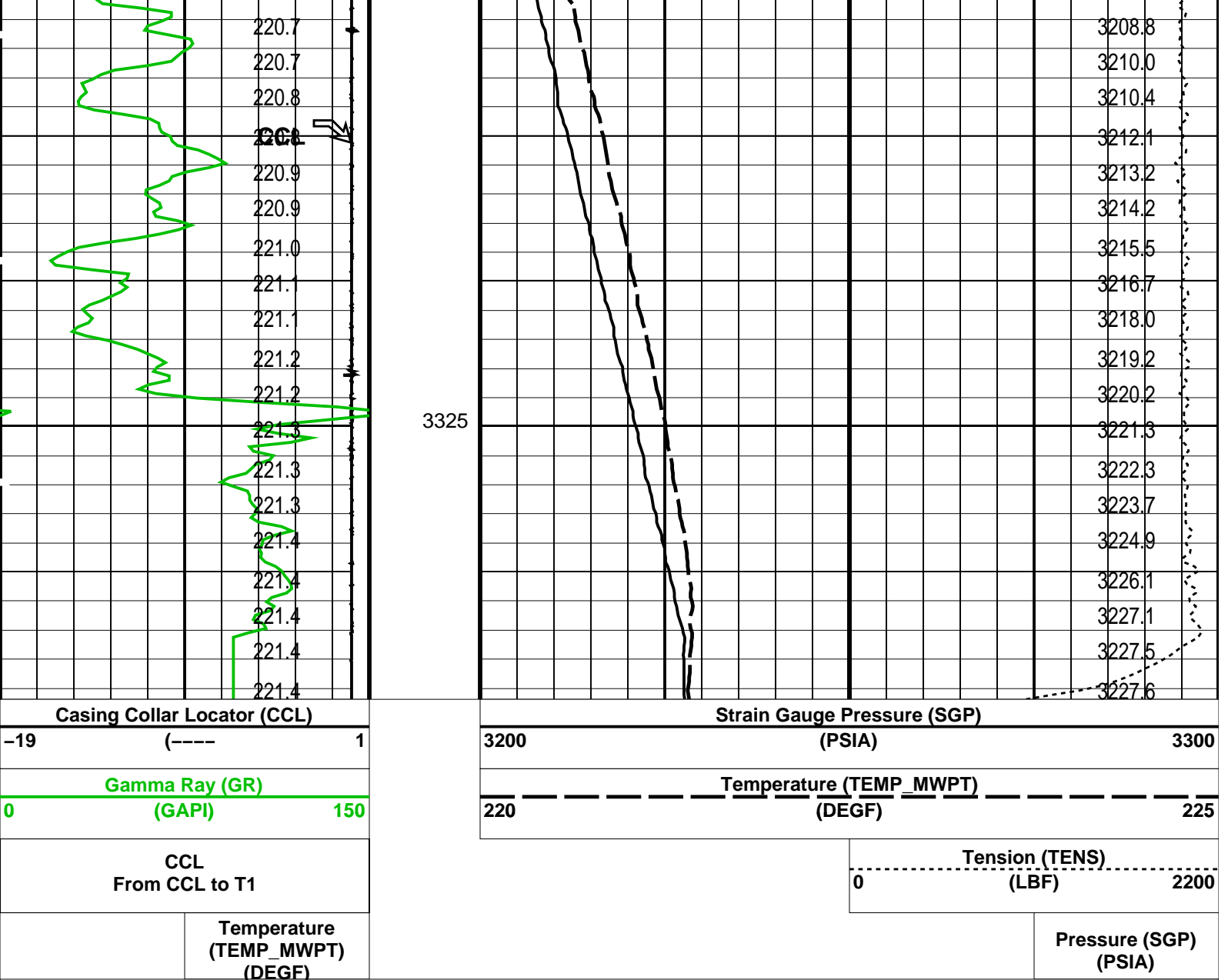
MWP_GUN 14C0-302
MWGT-AA 14C0-302

MWPT-CA 14C0-302

PIP SUMMARY

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL		
DEVI_FL_CORR	Deviation Angle for Flow Line Correction	0 DEG
FLD	Flow Line Density	1 G/C3
MWPT_NULL_SOURCE	MWPT NULL Temperature Source	TEMS
MWPT_NULL_TEMP	MWPT NULL Temperature	0.0 DEGC
System and Miscellaneous		
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Format: MWP Vertical Scale: 1:200 Graphics File Created: 26-May-2007 13:16

OP System Version: 14C0-302
MCM

MWP_GUN	14C0-302	MWPT-CA	14C0-302
MWGT-AA	14C0-302		

Input DLIS Files

DEFAULT PERFO_034LUP FN:32 PRODUCER 26-May-2007 12:15 3334.4 M 3297.2 M

Output DLIS Files

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **F-2a**

Field: **Cobia**

Rig : **Prod4 / Crane**

Country: **Australia**

2 1/8" Phased Powerjet
7 5/8" Mpbst Plug
Record