

Company: Esso Australia Pty Ltd.

Well: BREAM A A16

Field: Bream A

Rig : Prod4 / Crane

Country: Australia

5 1/2" MPBT Plug Setting Record
2.125" Phased Powerjet Perforation
6-Jun-2010

Prod4 / Crane
Bream A
Gippsland
BREAM A A16
Esso Australia Pty Ltd.

Rig :
Field:
Location:
Well:
Company:

LOCATION			
Gippsland Basin Bass Strait	Elev.:		K.B. 33.50 m
	G.L.		-59.00 m
	D.F.		33.50 m
Permanent Datum:	M.S.L.		Elev.: 0.00 m
Log Measured From:	D.F.		33.50 m above Perm. Datum
Drilling Measured From:	D.F.		

State : Victoria	Max. Well Deviation 62.9 deg	Longitude 147 46'15"E	Latitude 038 30'04"S
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Logging Date	6-Jun-2010		
Run Number	1 through 5		
Depth Driller	2680 m		
Schlumberger Depth	2665 m		
Bottom Log Interval	2654 m		
Top Log Interval	2585 m		
Casing Fluid Type	Production Fluids		
Salinity			
Density			
Fluid Level	544 m		
BIT/CASING/TUBING STRING			
Bit Size	8.500 in		
From	2584 m		
To	3487 m		
Casing/Tubing Size	5.500 in		
Weight	17 lbm/ft		
Grade	N-80		
From	2422.41 m		
To	3496.9 m		
Maximum Recorded Temperatures	206 degF		
Logger On Bottom	6-Jun-2010	8:42	
Unit Number	889	Prod4 / Ausl	
Recorded By	S Gilbert.		
Witnessed By	B White		

			Run 1
PVT DATA			
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	62.9 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	Time		
Unit Number	Location		
Recorded By			
Witnessed By			

DEPTH SUMMARY LISTING

Date Created: 5-JUN-2010 12:29:54

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-EB	Type:	PSDS/OSDS	Type:	2-32ZT
Serial Number:	6373	Serial Number:	325357	Serial Number:	208558
Calibration Date:	22-Apr-2010	Calibration Date:	5-Jun-2010	Length:	5800 M
Calibrator Serial Number:	31	Calibrator Serial Number:	1170	Conveyance Method: Wireline Rig Type: Offshore Fixed	
Calibration Cable Type:	2-23ZT	Number of Calibration Points:	10		
Wheel Correction 1:	1	Calibration RMS:	18		
Wheel Correction 2:	0	Calibration Peak Error:	38		

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	Solar Composite Log
Reference Log Run Number:	
Reference Log Date:	.

Depth Control Remarks

1. IDW used as primary depth control.
2. Z-chart used as secondary backup
3. Rigging up on Main deck usinf platform crane .
4.
5.
6.

DISCLAIMER

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OTHER SERVICES1
OS1: None
OS2:
OS3:
OS4:
OS5:
REMARKS: RUN NUMBER 1
Log correlated to ExxonMobil composite supplied with logging program
Maximum well deviation 62.9 degrees at 2680m MDKB.
Objectives: Set a 5.5" Posiset Plug with top of Seal @ 2665m MDKB and dump approx 1m of cement on top .
Perforate the well over the interval 2585m to 2590m MDKB using a 5m 2 1/8" Phased Powerjet gun .
2.13" Dummy Plug run to HUD
HUD before Plug Set: 2665m MDKB





















5.5" Posiset Plug .
Top of Seal @ 2654m MDKB
CCL to Top of Seal = 6.65m
CCL Stop Depth: 2647.35m MDKB
CCL to Bottom of Dump Bailers = 12m
Gun # 1
Top Shot @ 2585m MDKB
CCL to Top Shot = 2.8m
CCL Stop Depth = 2582.2 m MDKB

Schlumberger Crew :D Watts , G Martin

<div> <div>RUN 1</div> <div> <div>SERVICE ORDER #:</div> <div>4500660686</div> </div> <div> <div>PROGRAM VERSION:</div> <div>17C0-154</div> </div> <div> <div>FLUID LEVEL:</div> <div>544 m</div> </div> </div>					
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT			SURFACE EQUIPMENT		
MPBM			WITM (SHM)		

DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
SWBS-B 785		12.18	SWBS-B 785		12.24
SWBS-B 786		11.54	SWBS-B 786		11.55
SWBS-B 787		10.89	SWBS-B 787		10.87
SWBS-B 788		10.25	SWBS-B 788		10.18
SWBS-B 789		9.60	SWBS-B 789		9.50
SWHS-A 759		8.96	SWHS-A 759		8.81
CCL-PCCL CCL-PCCL	<div> <div>CCL Cable Cur Head Volt Tension</div>  <div>TOOL ZERO</div> </div>	8.48	UPCT-A UPCC-A 445 UPCH-A 571	<div> <div>Gamma Ray</div>  <div>0.79</div> </div>	8.48
MPSU-BA 20 MPSU-BA 20		8.02	Casing Co Tension		TOOL ZERO
			AH-Flex Joint 41 AH-Flex Joint 41		7.11
			AH-122 7002		6.55
			AH-SAH-G 1047 AH-SAH-G 1047		6.45
			MPD-MB 268 MPD-MB 268		5.99

SAFE
SHM_GUN
GUN-2.125 Powerjet Gun

5.00
5.00

1000000

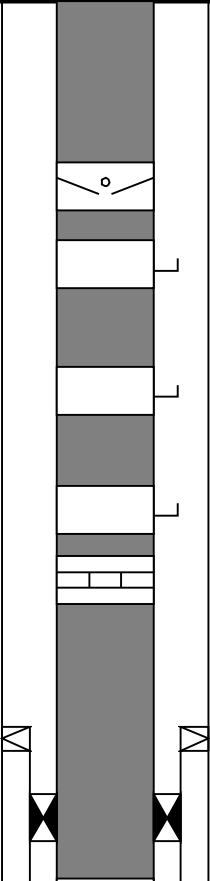
Government	Percentage
Current government	85%
Previous governments	15%

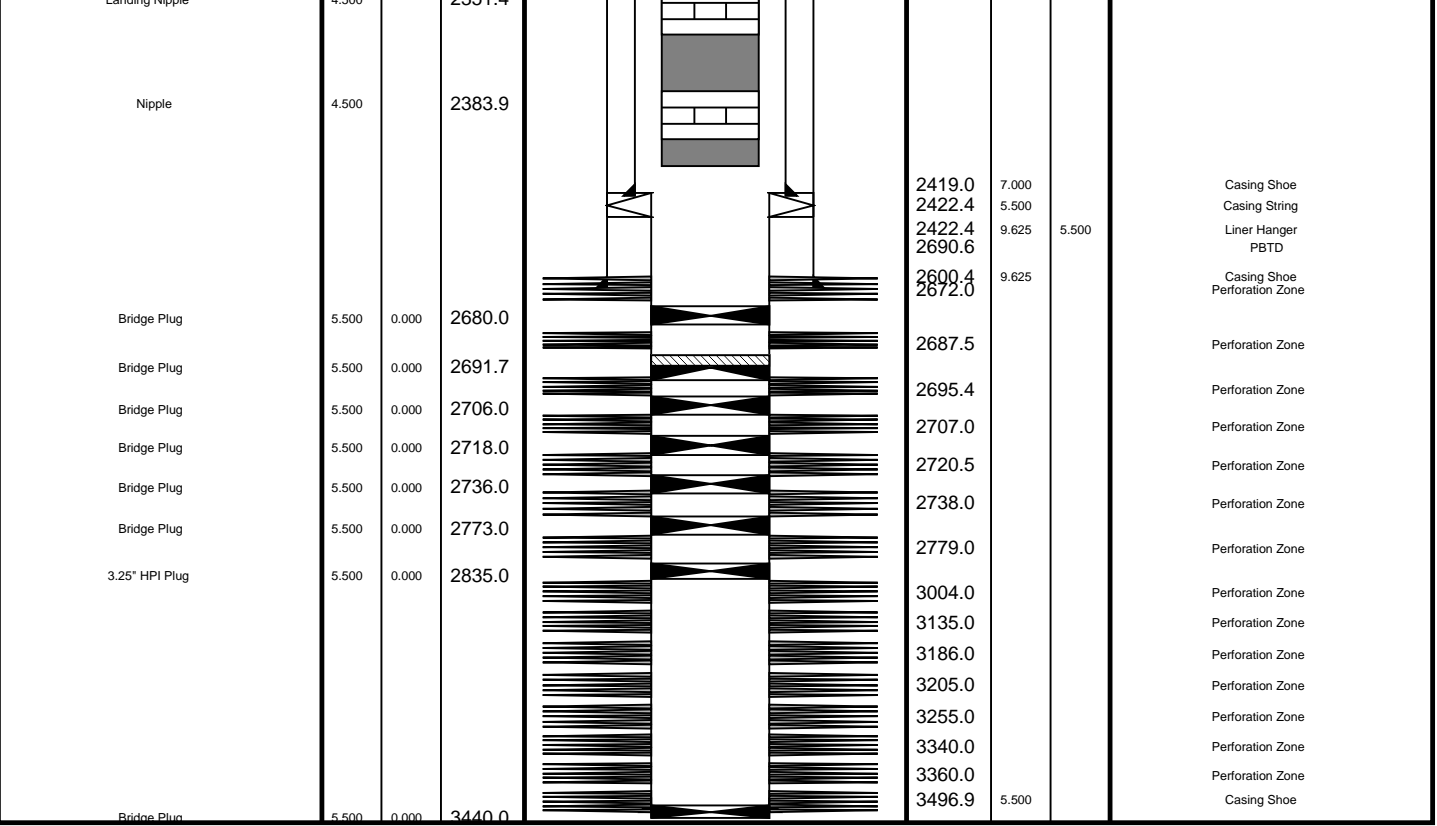
MAXIMUM STRING DIAMETER 1.71 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

1.78

Country	Percentage (%)
Ukraine	95
Poland	85
Germany	80
France	75
Italy	70
Spain	65
UK	60
USA	55
Canada	50
Australia	45
Japan	40
South Korea	35
India	30
China	25
Russia	15

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	4.500		0.0		0.0	13.375		Casing String
SSSV	4.500		427.0					
Gas Lift Mandrel	4.500		483.0					
Gas Lift Mandrel	4.500		810.0					
Gas Lift Mandrel	4.500		1091.0					
Landing Nipple	4.500		1117.2					
Packer, Retrievable	7.000	4.500	2337.9					
Landing Nipple	4.500		2351.4					
					1490.0	7.000		Casing String Liner Hanger
					1490.0	9.625	7.000	



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Log Pass (up) Dummy Plug	6-Jun-2010 8:30	000:18	2669.6 - 2346.5	PSP_017LUP
Log Pass (up) Plug Correlation	6-Jun-2010 11:04	000:06	2646.3 - 2598.6	MPBT_027LUP
Simulated Log Plug Setting	6-Jun-2010 11:17	000:38		MPBT_028LUP
Log Pass (up) Log Away From Plug	6-Jun-2010 11:56	000:05	2647.3 - 2594.5	MPBT_029LUP
Log Pass (up) Water Bailer	6-Jun-2010 13:49	000:05	2644.3 - 2597.4	PERFO_034LUP
Log Pass (up) Cement Bailer	6-Jun-2010 15:35	000:05	2644.6 - 2593.8	PERFO_038LUP
Log Pass (up) Gun Correlation	7-Jun-2010 8:20	000:06	2628.3 - 2578.6	PERFO_049LUP

Schlumberger

Gun # 1 Shooting Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: BREAM A16

Output DLIS Files

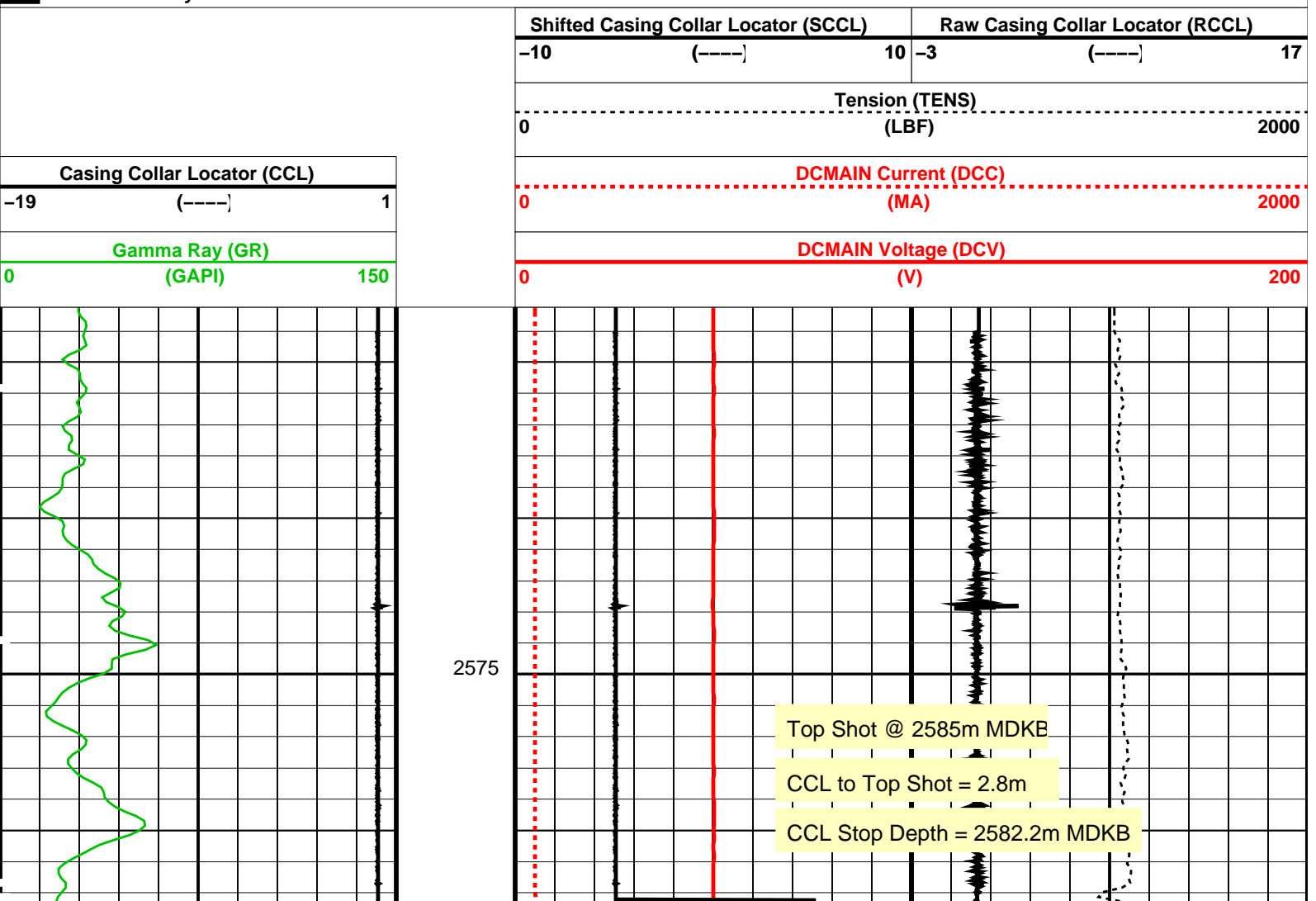
DEFAULT PERFO_050LUP FN:49 PRODUCER 07-Jun-2010 08:28 2625.9 M 2563.2 M

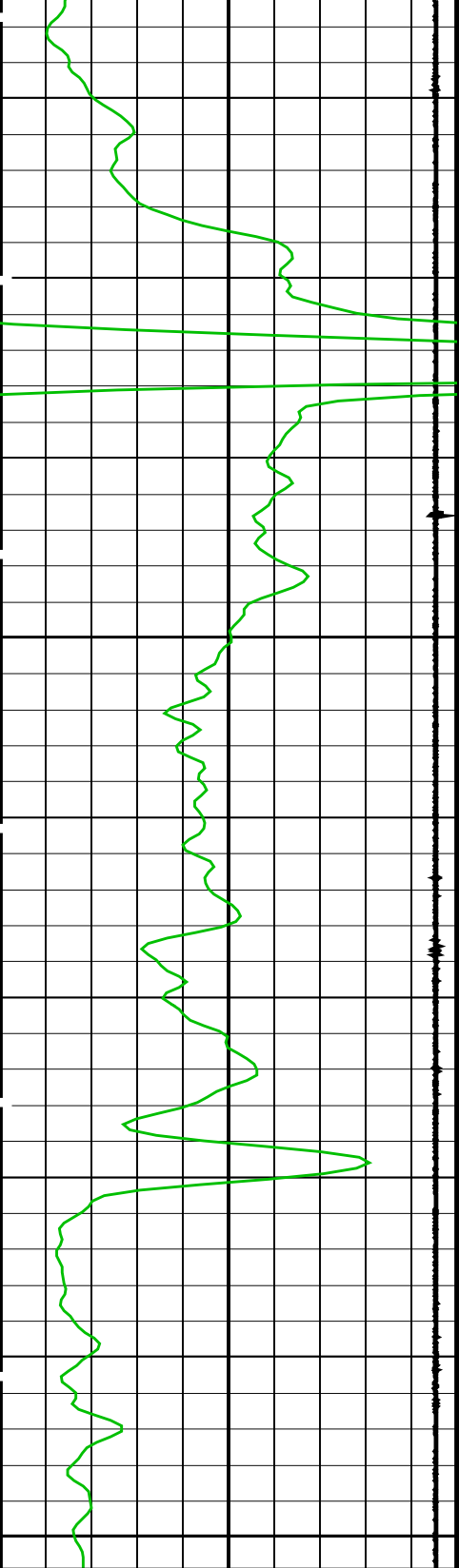
OP System Version: 17C0-154

SHM_GUN 17C0-154
UPCT-A 17C0-154
SAFE 17C0-154

PIP SUMMARY

Time Mark Every 60 S



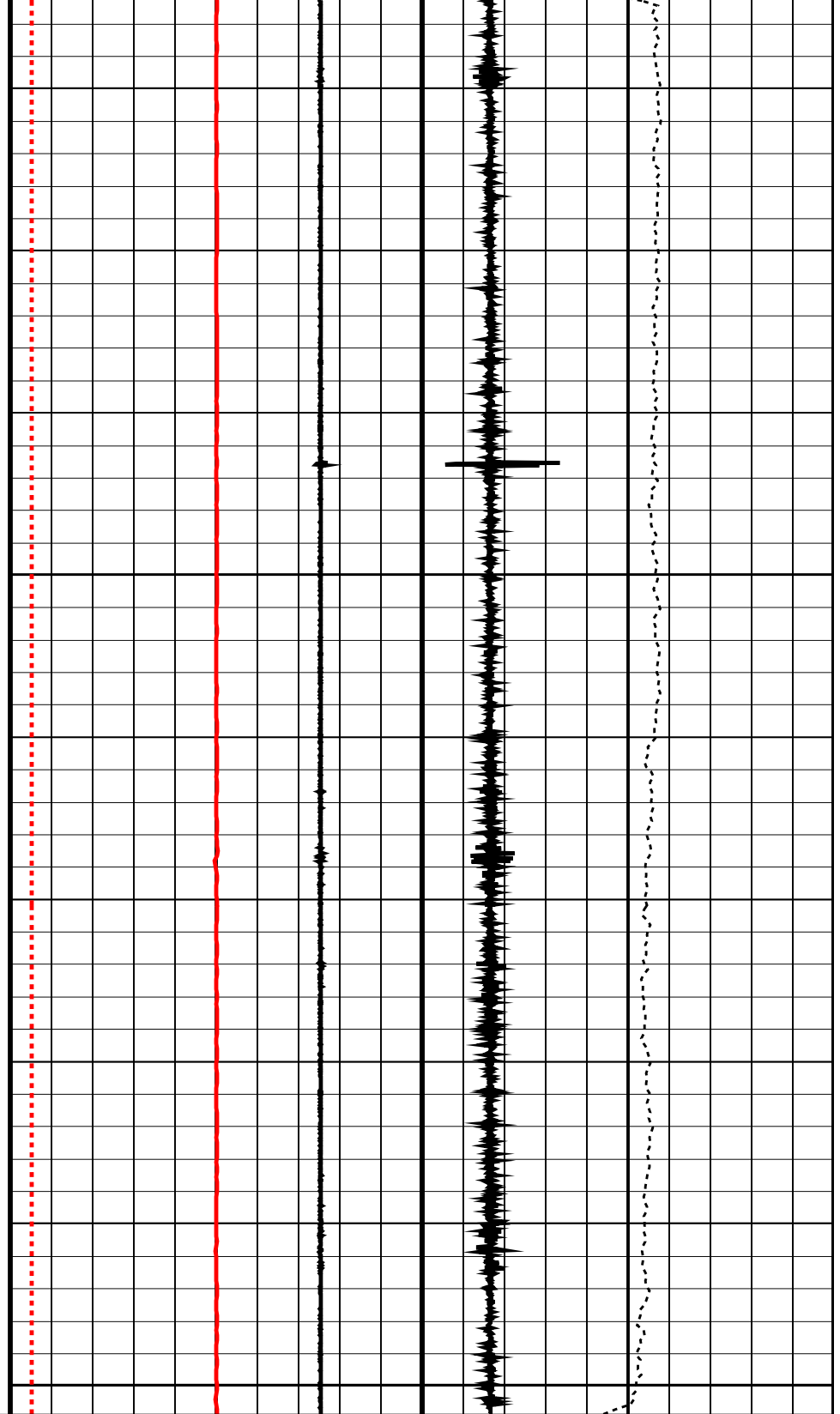


Gamma Ray (GR)
(GAPI) 0 150

Casing Collar Locator (CCL)
(----) -19 1

2600

2625



DCMAIN Voltage (DCV)
(V) 0 200

DCMAIN Current (DCC)
(MA) 0 2000

Tension (TENS)
(LBF) 0 2000

Shifted Casing Collar Locator (SCCL) Raw Casing Collar Locator (RCCL)
(----) -10 10 -3 17

PIP SUMMARY

Time Mark Every 60 S

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 07-Jun-2010 08:28

OP System Version: 17C0-154			
SHM_GUN	17C0-154	SAFE	17C0-154
UPCT-A	17C0-154		
Output DLIS Files			
DEFAULT	PERFO_050LUP	FN:49	PRODUCER 07-Jun-2010 08:28

Schlumberger

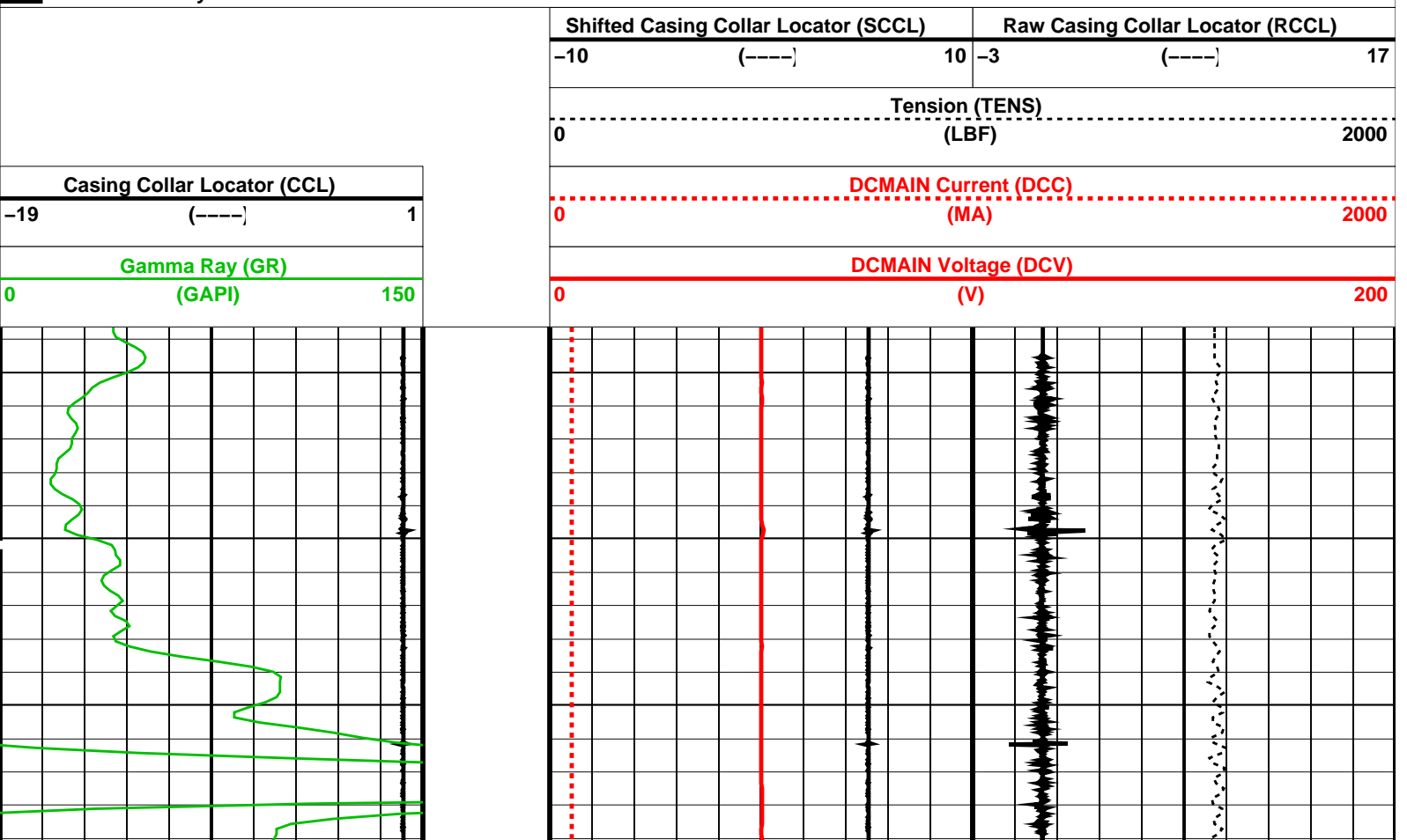
Gun # 1 Correlation Pass

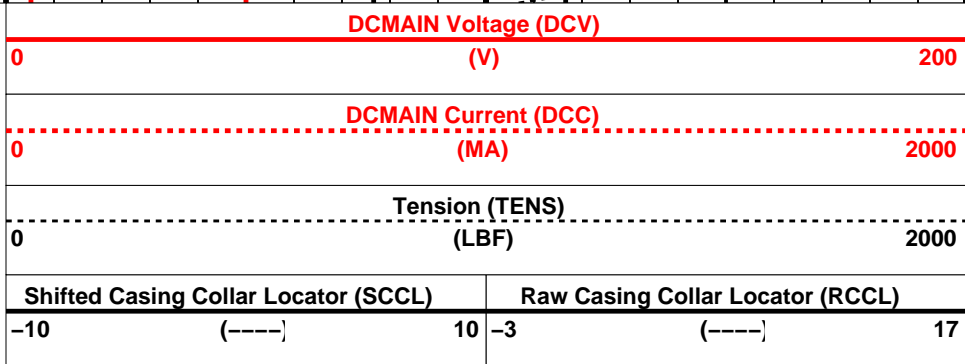
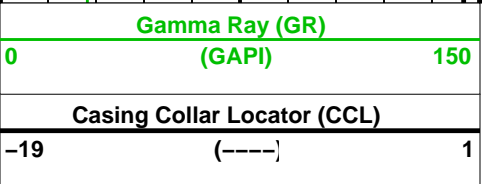
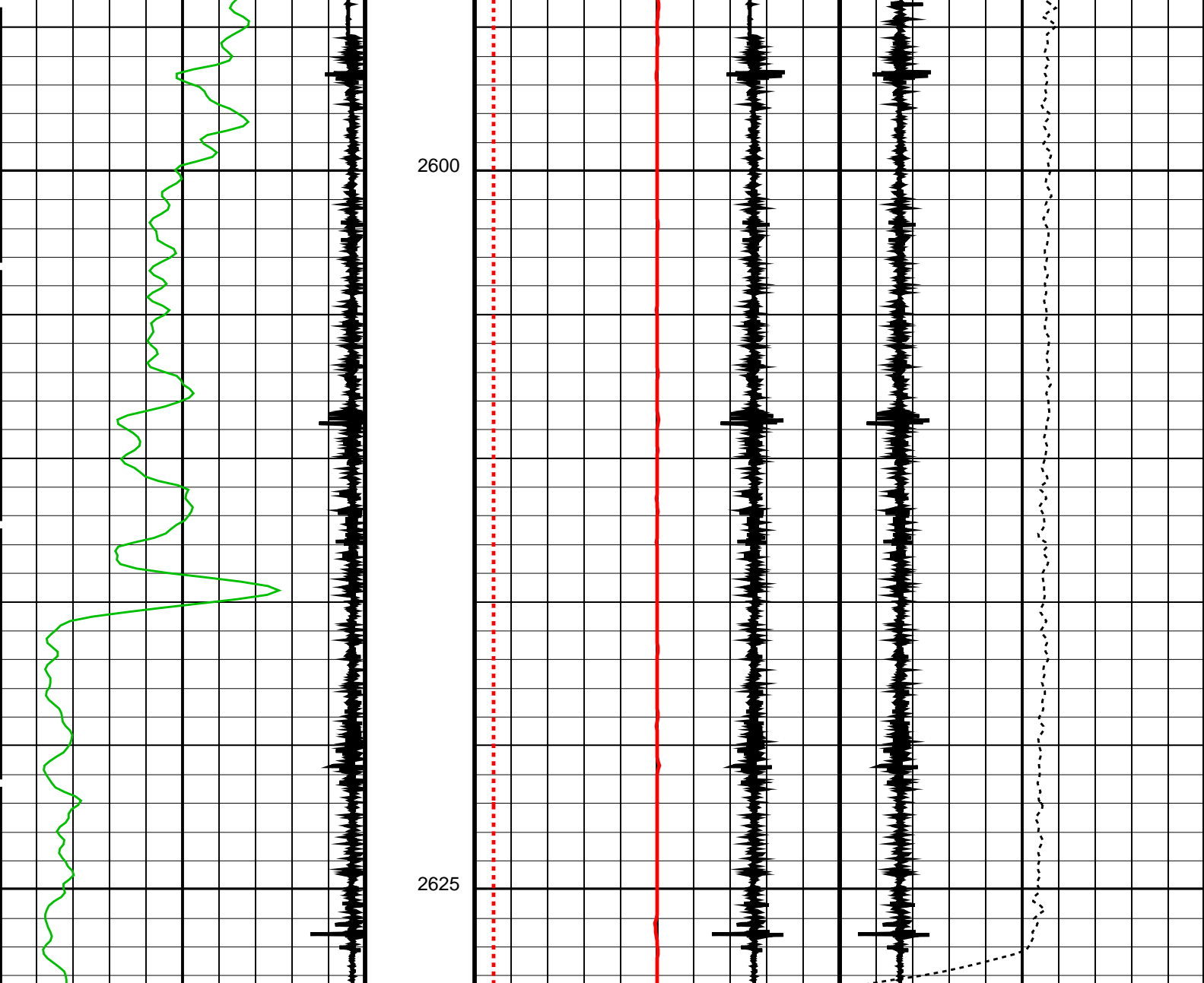
MAXIS Field Log

Company: Esso Australia Pty Ltd.					Well: BREAM A16	
Output DLIS Files						
DEFAULT	PERFO_049LUP	FN:48	PRODUCER	07-Jun-2010 08:20	2628.3 M	2578.6 M
OP System Version: 17C0-154						
SHM_GUN	17C0-154		SAFE	17C0-154		
UPCT-A	17C0-154					

PIP SUMMARY

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 07-Jun-2010 08:20

OP System Version: 17C0-154

SHM_GUN	17C0-154	SAFE	17C0-154
UPCT-A	17C0-154		

Output DLIS Files

DEFAULT	PERFO_049LUP	FN:48	PRODUCER	07-Jun-2010 08:20
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Input DLIS Files

DEFAULT PERFO_038LUP FN:37 PRODUCER 06-Jun-2010 15:35 2644.6 M 2593.8 M

Output DLIS Files

DEFAULT PERFO_039PUP FN:38 PRODUCER 06-Jun-2010 15:40 2643.8 M 2593.1 M

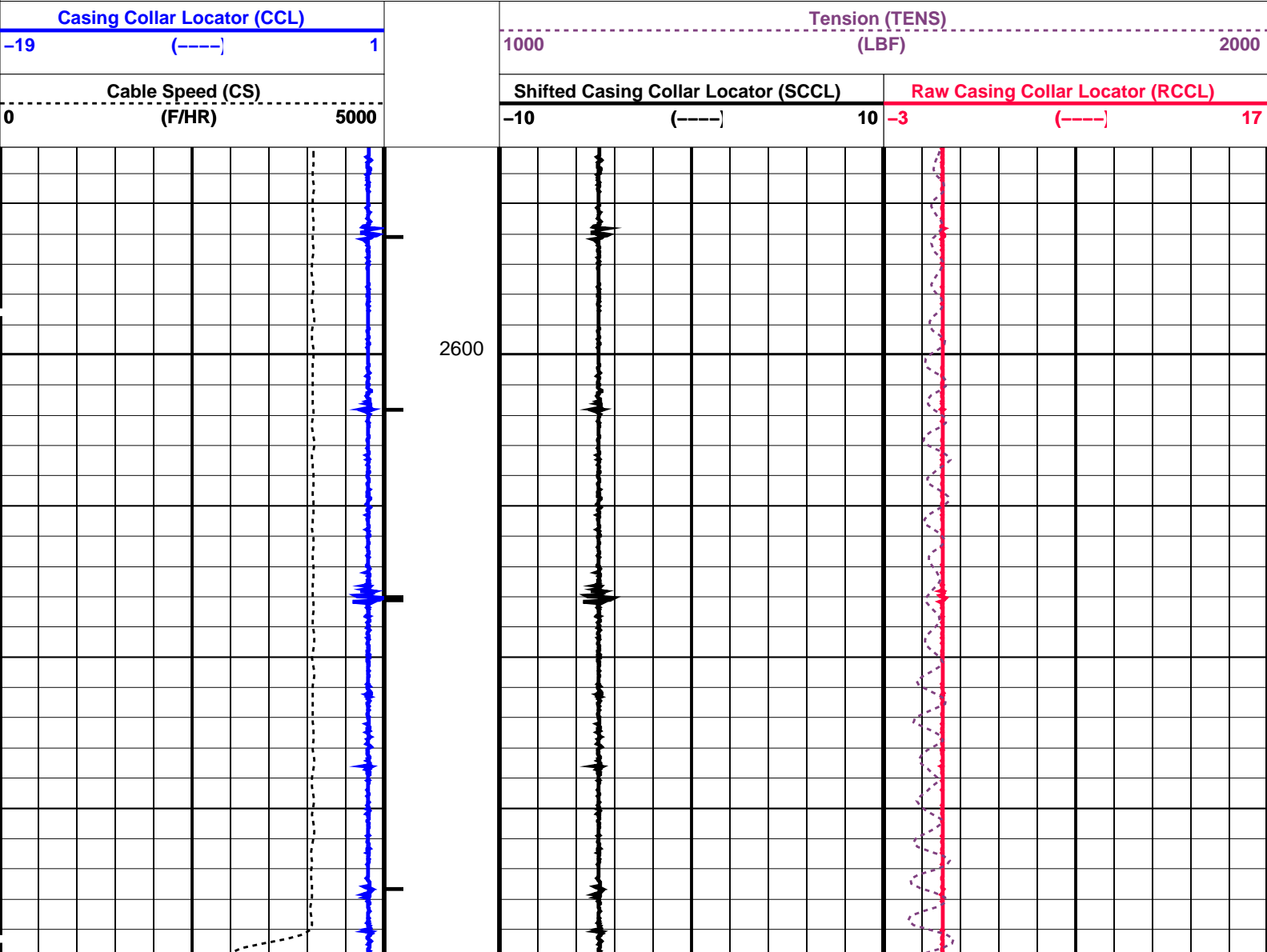
OP System Version: 17C0-154

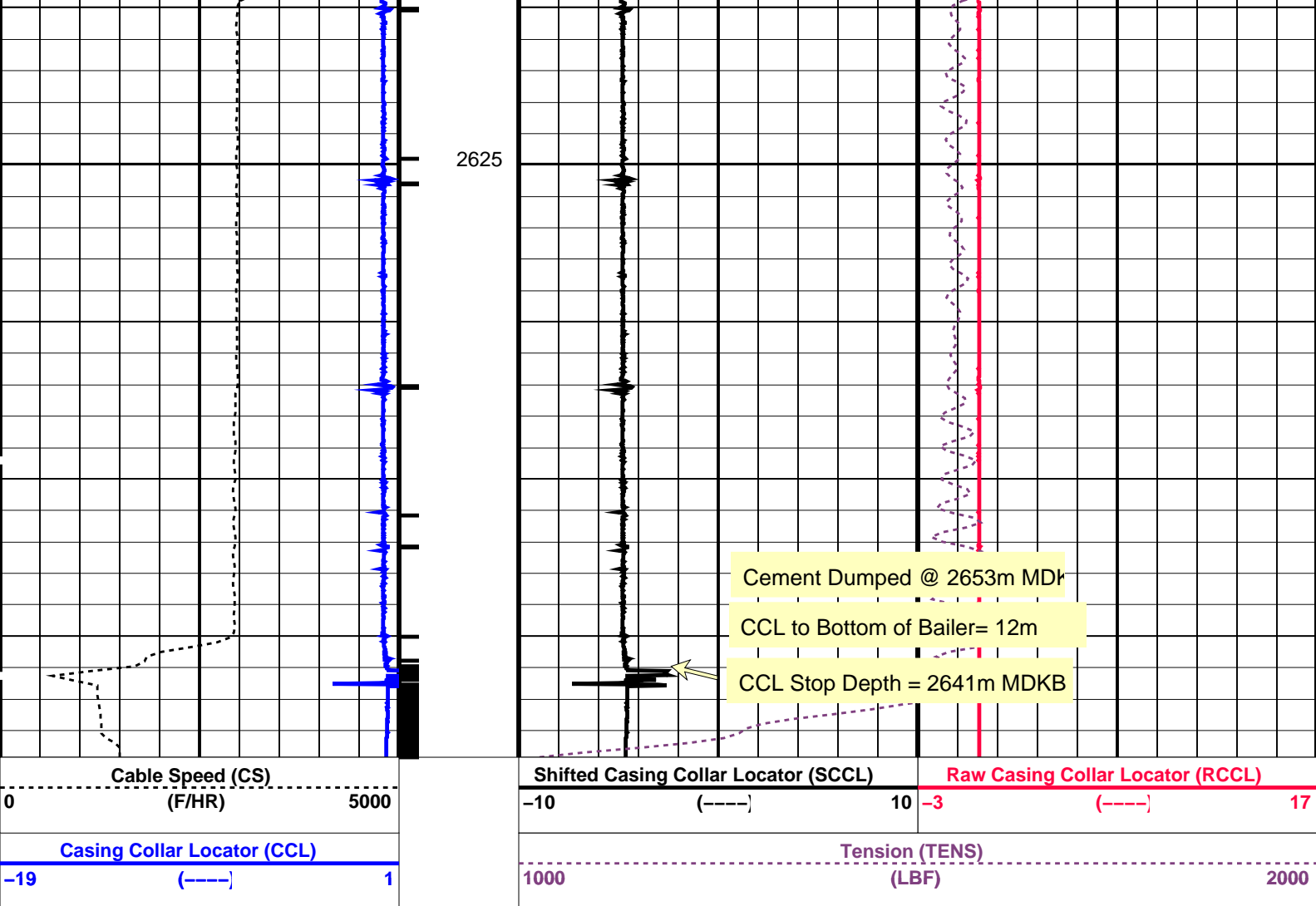
SHM_GUN 17C0-154 CCL-L 17C0-154

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	-0.8 M
	Playback Processing	NORMAL

Format: PERFO_1 Vertical Scale: 1:200 Graphics File Created: 06-Jun-2010 15:40

OP System Version: 17C0-154

SHM_GUN 17C0-154 CCL-L 17C0-154

Input DLIS Files

DEFAULT PERFO_038LUP FN:37 PRODUCER 06-Jun-2010 15:35 2644.6 M 2593.8 M

Output DLIS Files

DEFAULT PERFO_039PUP FN:38 PRODUCER 06-Jun-2010 15:40

MAXIS Field Log

Input DLIS Files

DEFAULT	PERFO_034LUP	FN:33	PRODUCER	06-Jun-2010 13:49	2644.3 M	2597.4 M
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Output DLIS Files

DEFAULT	PERFO_035PUP	FN:34	PRODUCER	06-Jun-2010 13:54	2644.0 M	2597.0 M
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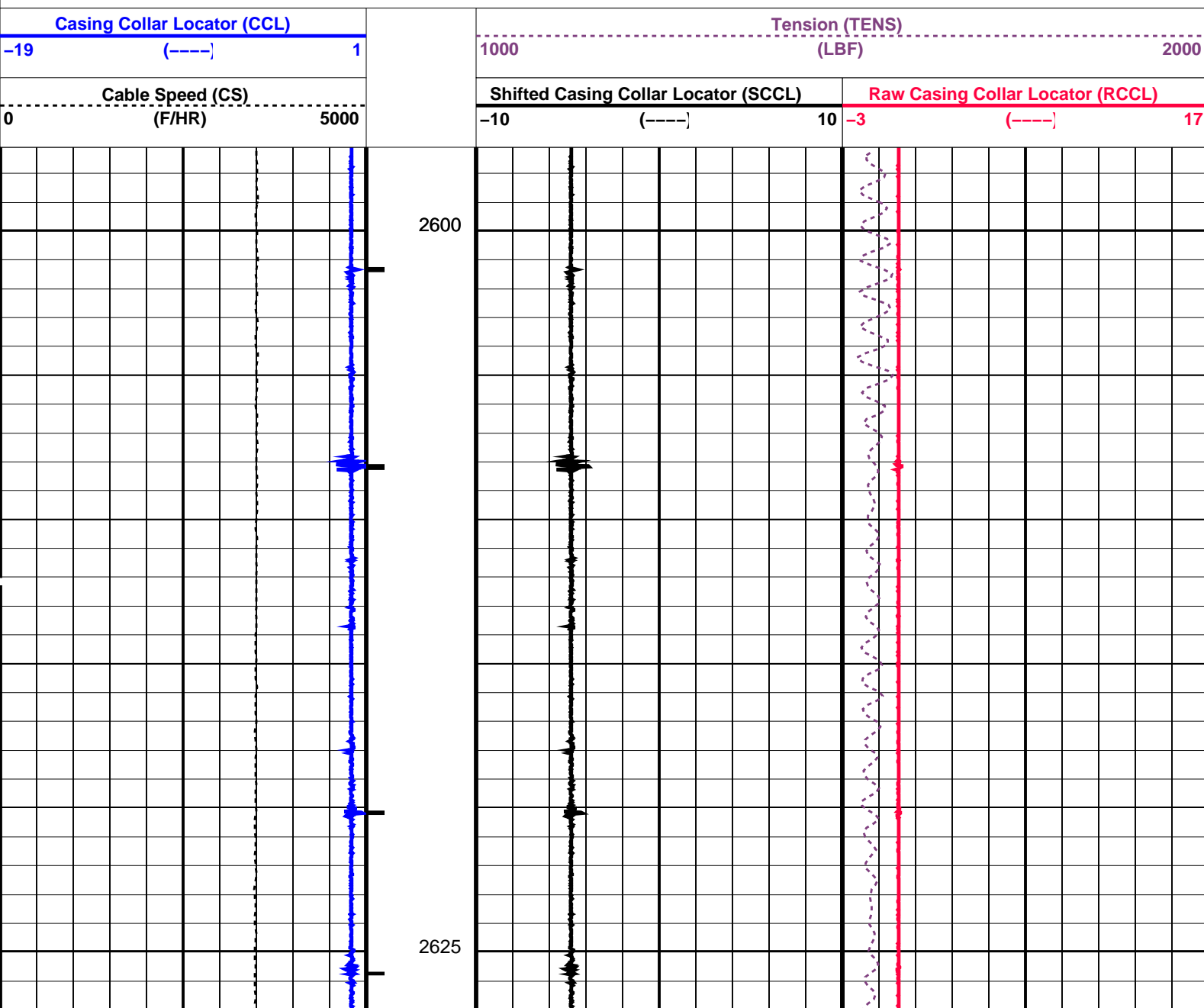
OP System Version: 17C0-154

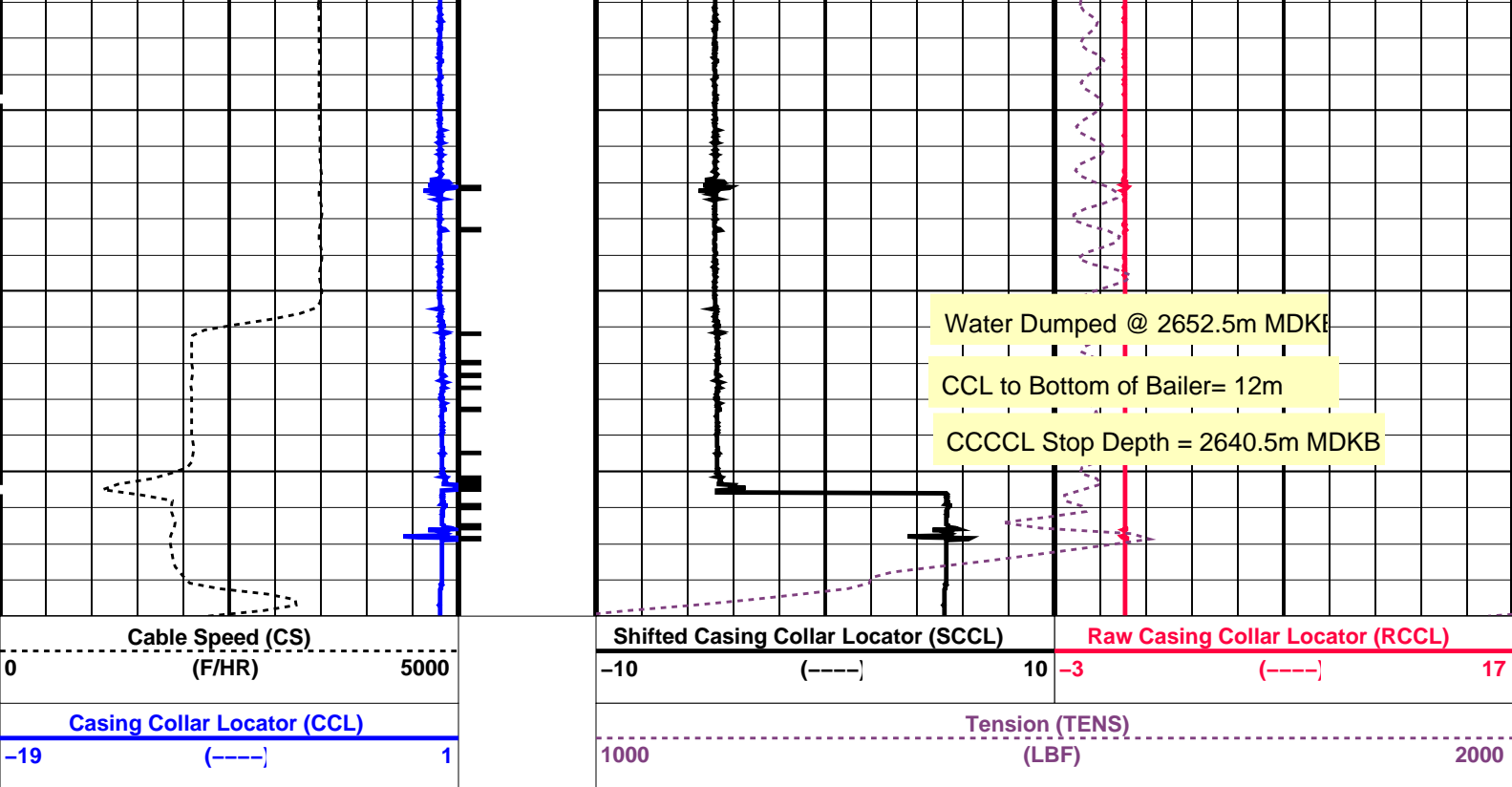
SHM_GUN 17C0-154 CCL-L 17C0-154

PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

← Casing Collars

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

Format: PERFO_1 Vertical Scale: 1:200 Graphics File Created: 06-Jun-2010 13:54

OP System Version: 17C0-154

SHM_GUN 17C0-154 CCL-L 17C0-154

Input DLIS Files

DEFAULT PERFO_034LUP FN:33 PRODUCER 06-Jun-2010 13:49 2644.3 M 2597.4 M

Output DLIS Files

DEFAULT PERFO_035PUP FN:34 PRODUCER 06-Jun-2010 13:54

Schlumberger

Log Away from Plug Setting

Output DLIS Files

DEFAULT MPBT_029LUP FN:28 PRODUCER 06-Jun-2010 11:56 2647.3 M 2594.5 M

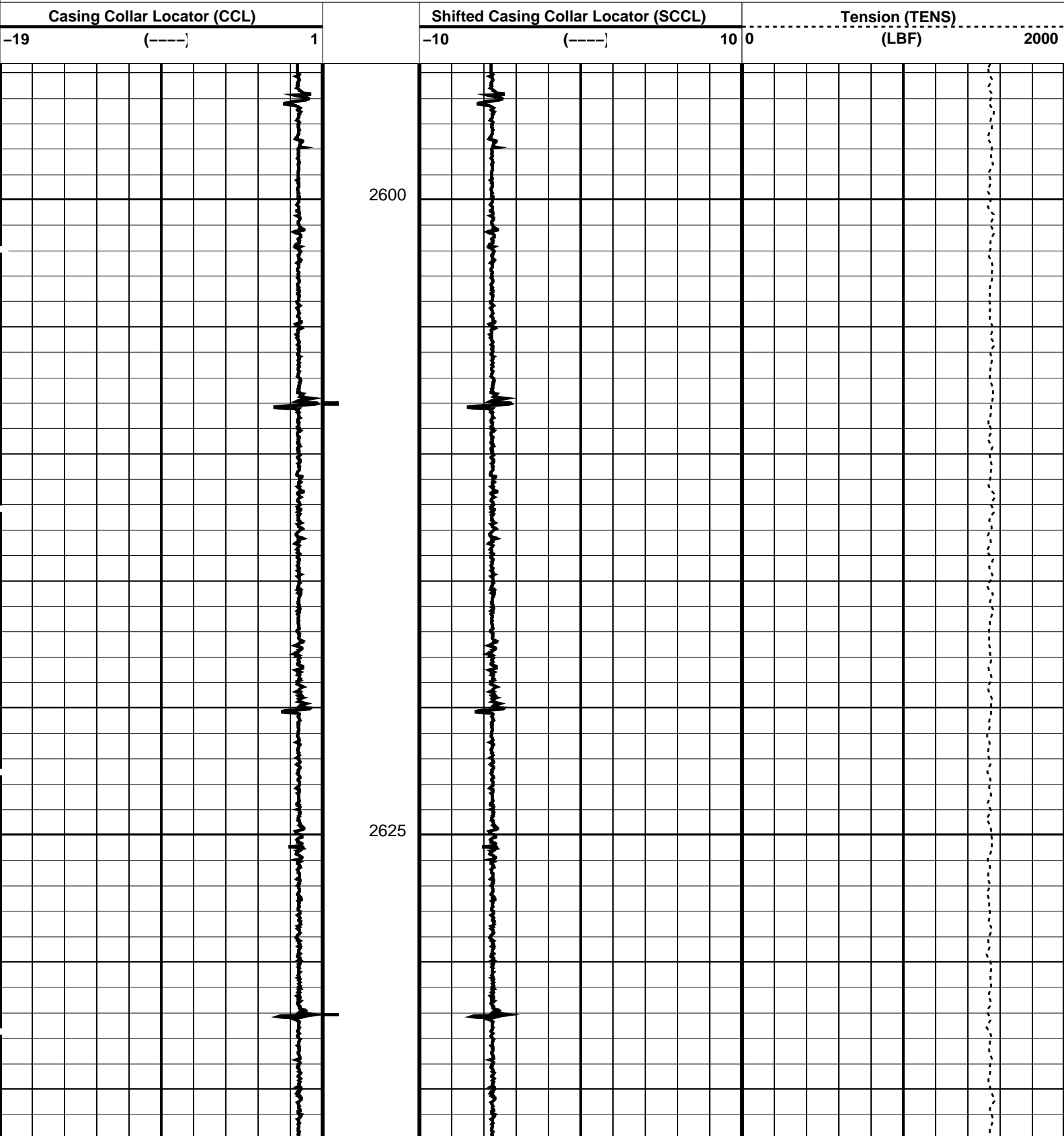
OP System Version: 17C0-154

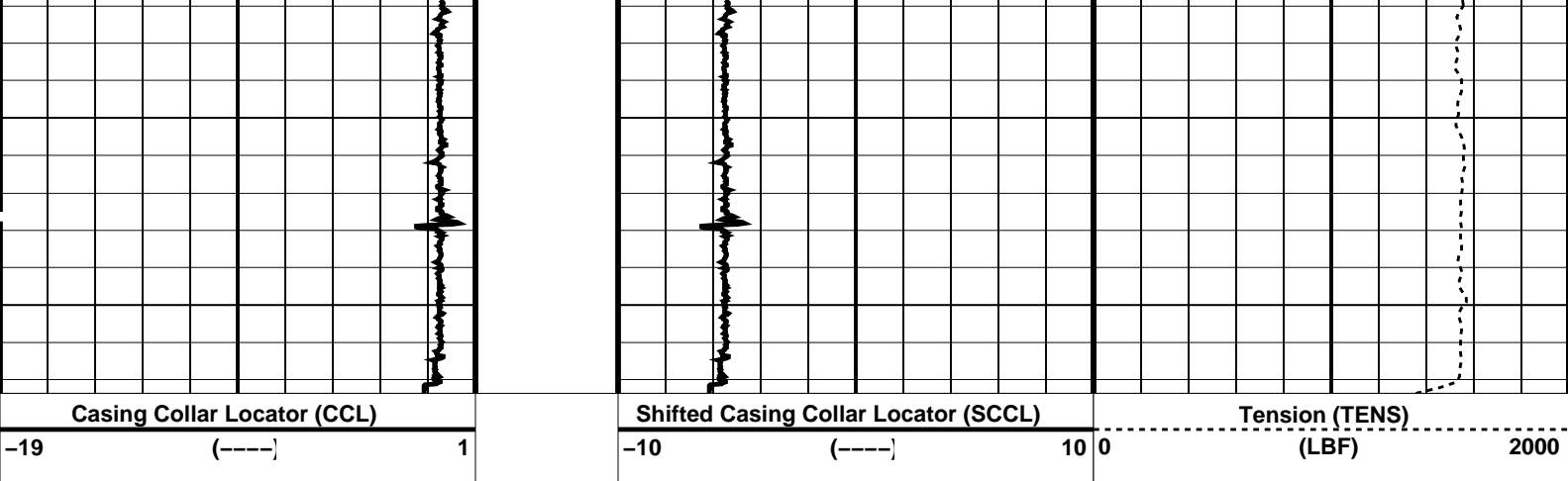
MPEX-BA 17C0-154 MPSU-BA 17C0-154
CCL-PCCL 17C0-154

PIP SUMMARY

Casing Collars

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Parameters			
DLIS Name		Description	Value
CCL-PCCL: 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: 06-Jun-2010 11:56

OP System Version: 17C0-154			
MPEX-BA	17C0-154	MPSU-BA	17C0-154
CCL-PCCL	17C0-154		

Output DLIS Files			
DEFAULT	MPBT_029LUP	FN:28	PRODUCER 06-Jun-2010 11:56

5.5" 17lb/ft Plug Setting TOS @ 2654m MDKB

MAXIS Field Log

Output DLIS Files			
DEFAULT	MPBT_028LUP	FN:27	PRODUCER 06-Jun-2010 11:17

OP System Version: 17C0-154			
MPEX-BA	17C0-154	MPSU-BA	17C0-154
CCL-PCCL	17C0-154		

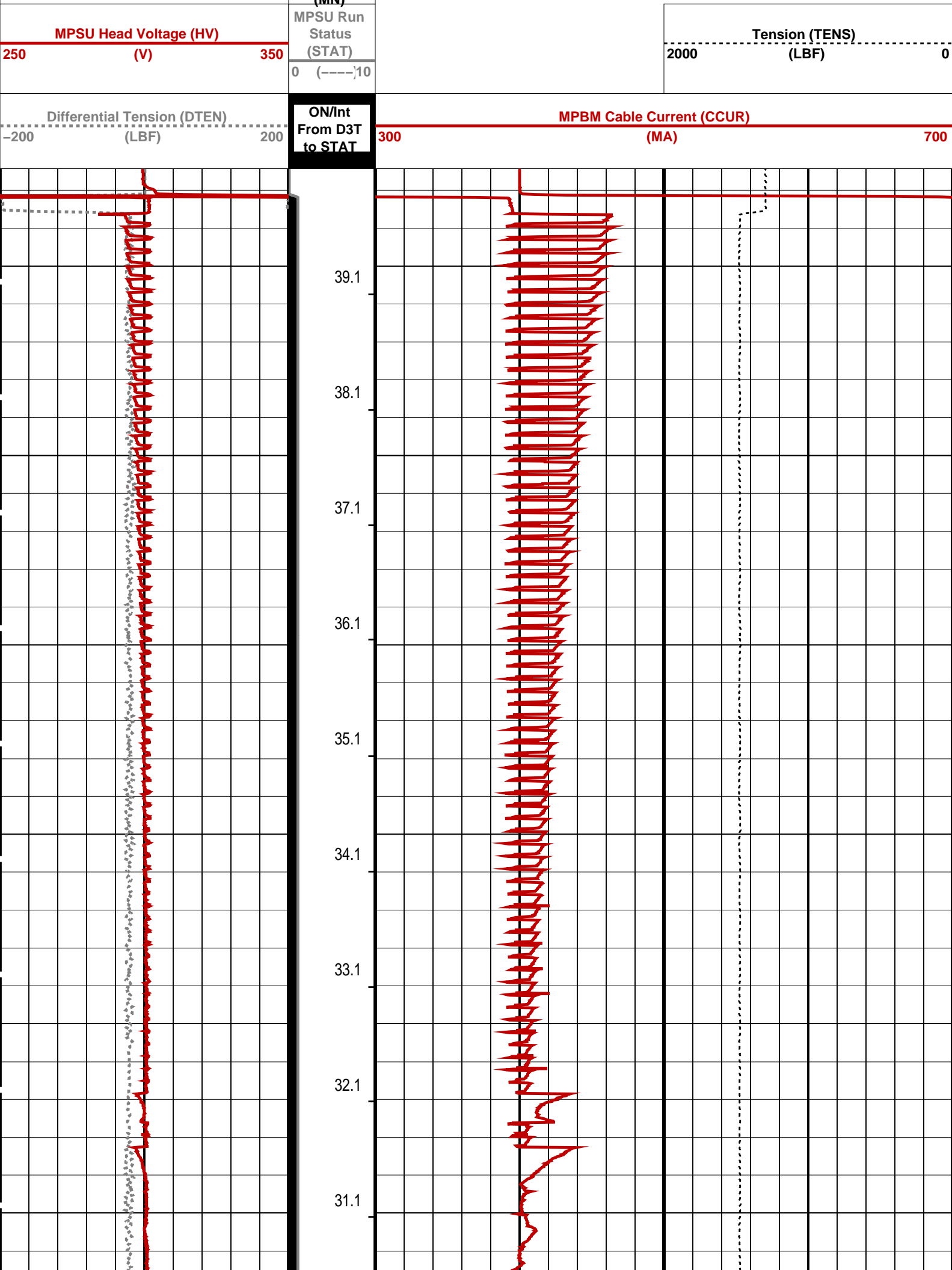
PIP SUMMARY

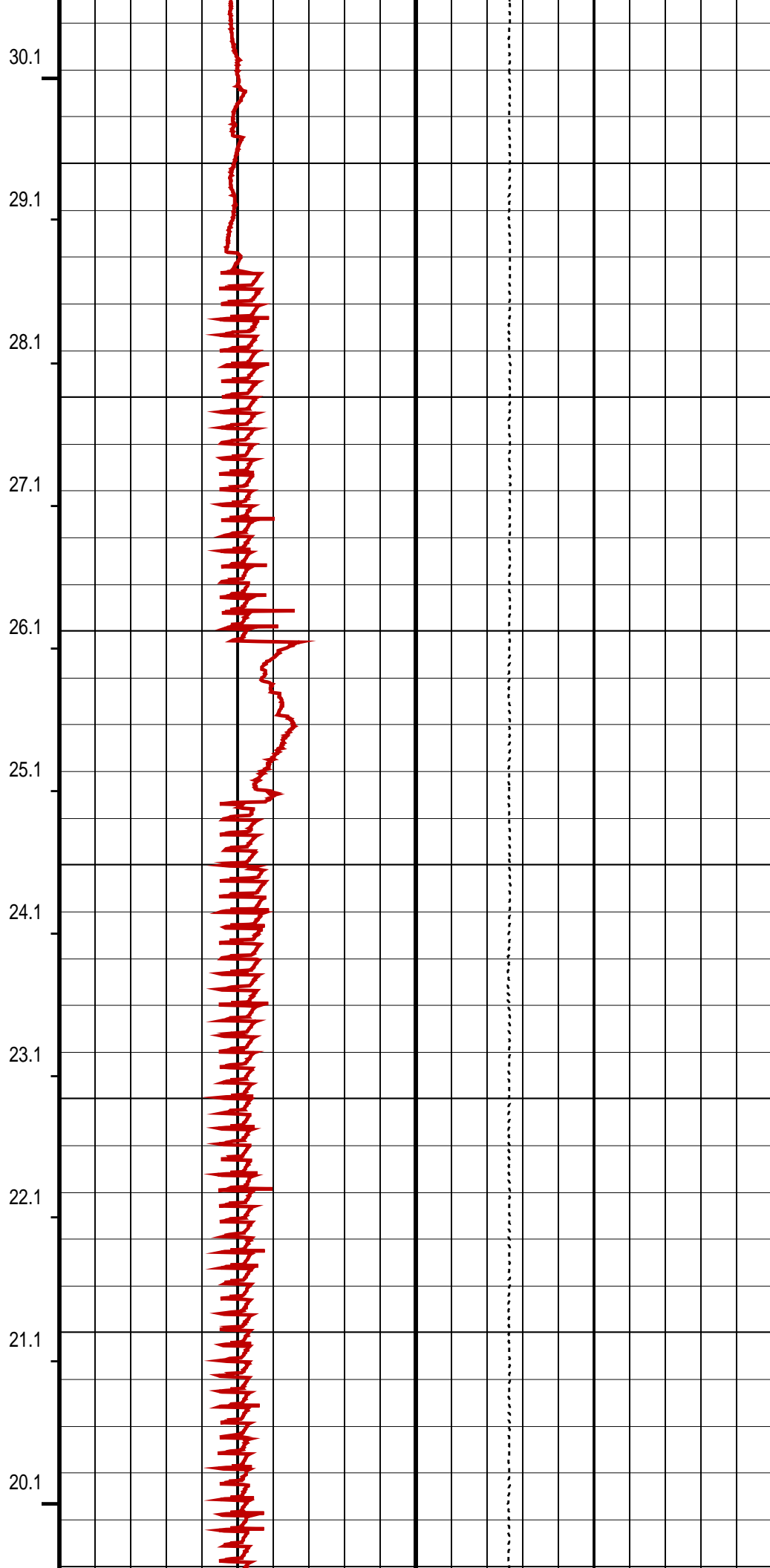
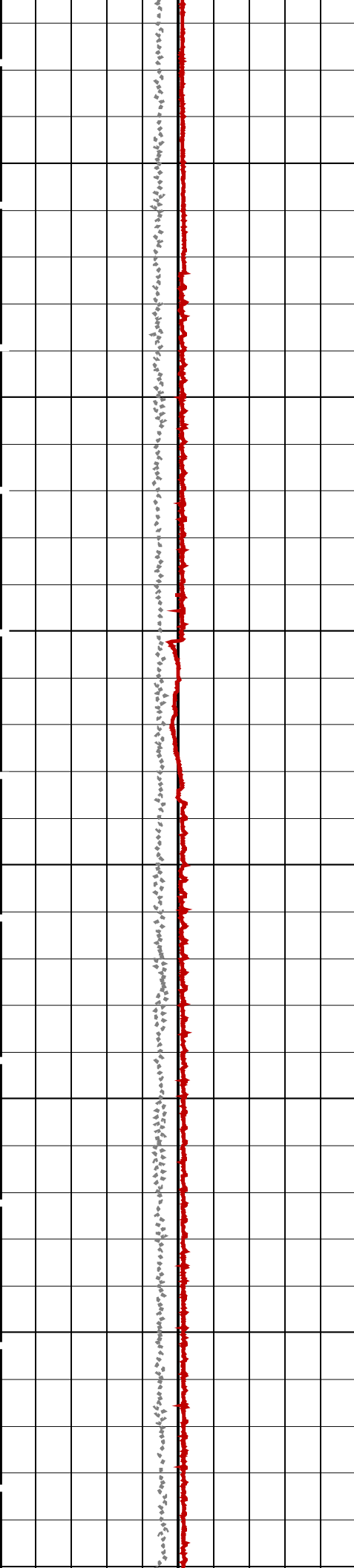
MPSU Run Time Every 1 MN

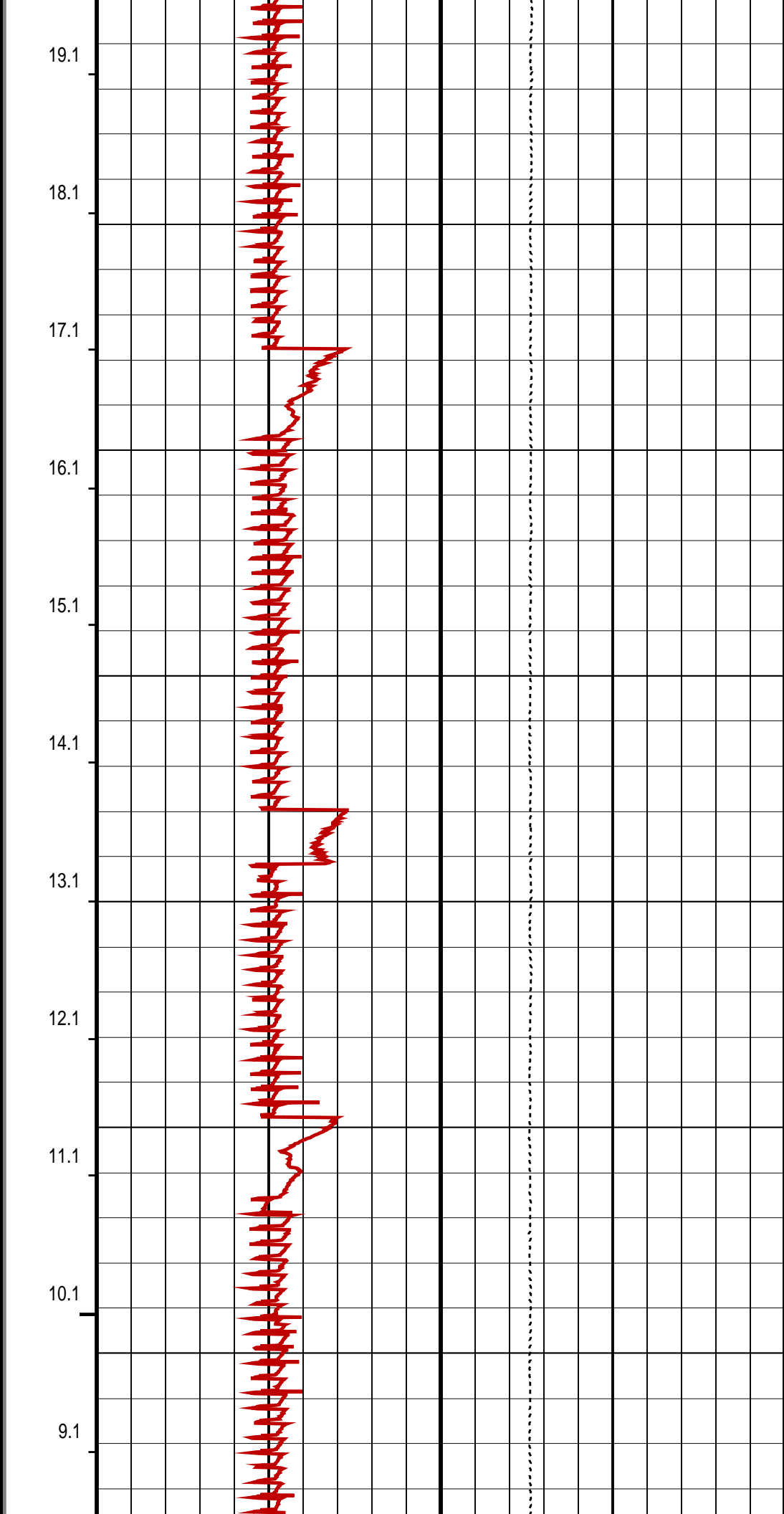
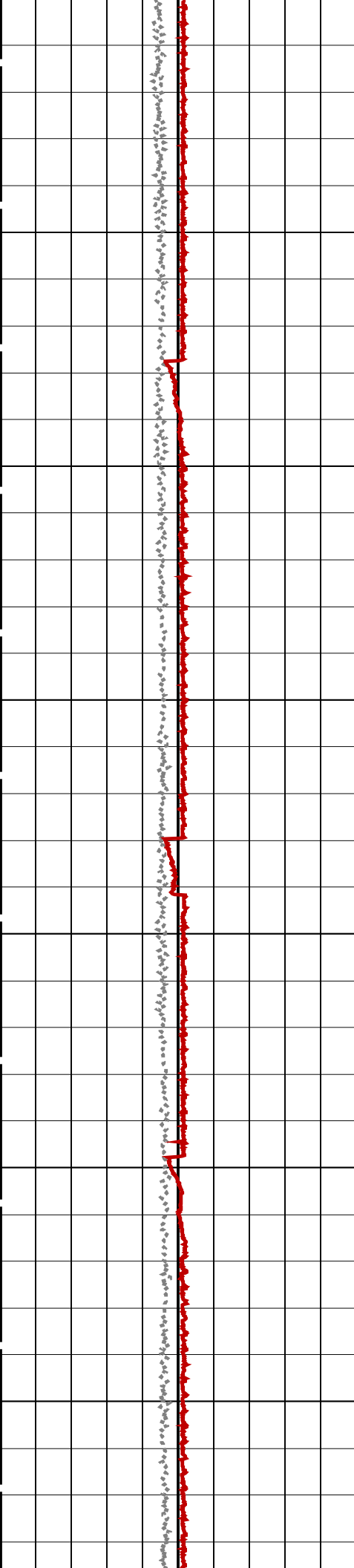
MPSU Run Time Every 10 MN

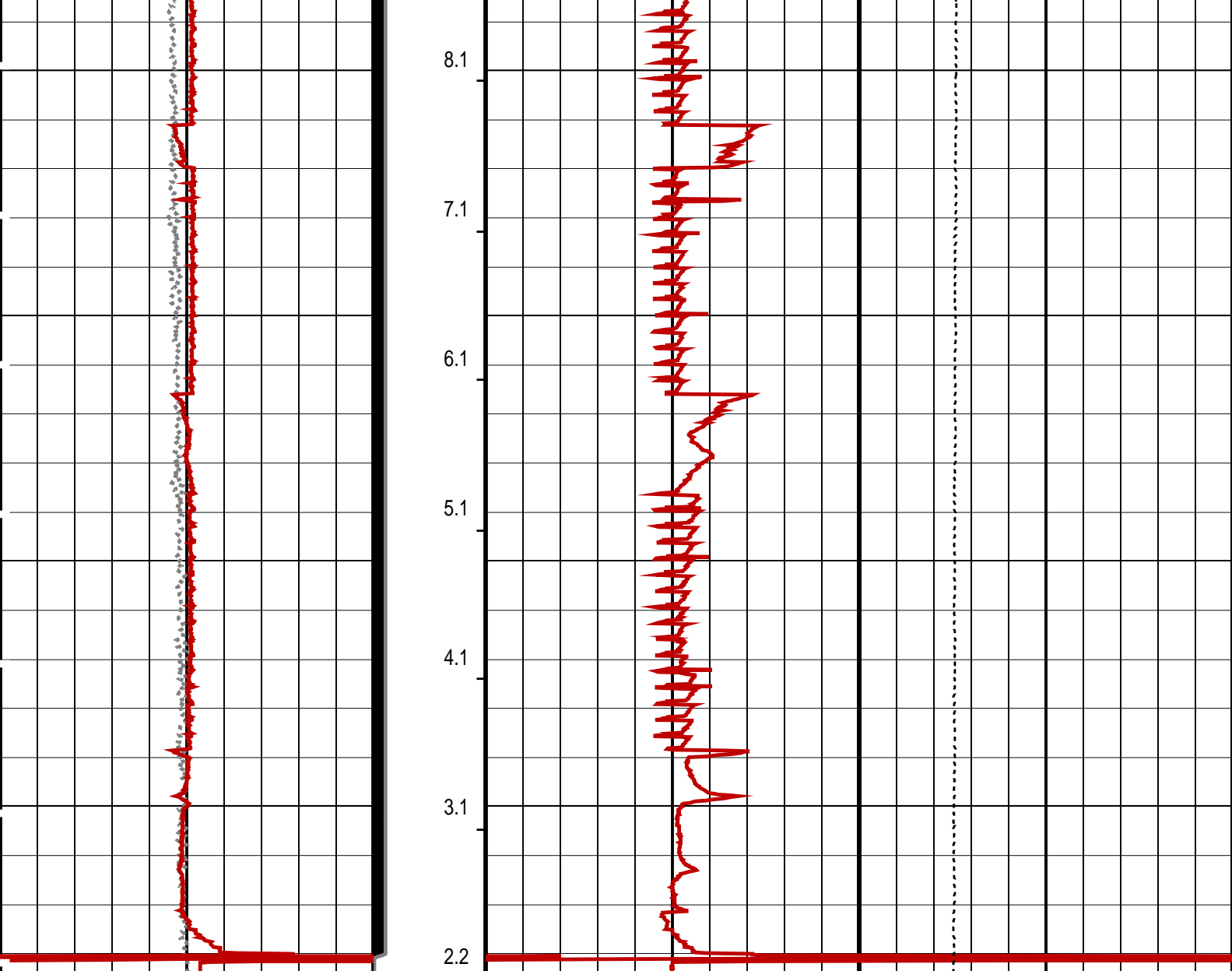
Time Mark Every 60 S

	RUN Time (RTIM) (MN)	
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Differential Tension (DTEN) (LBF)	ON/Int From D3T to STAT	MPBM Cable Current (CCUR) (MA)
-200 200		300 700
MPSU Head Voltage (HV) (V)	MPSU Run Status (STAT)	Tension (TENS) (LBF)
250 350	0 (----)10	2000 0
	RUN Time (RTIM) (MN)	

PIP SUMMARY

└ MPSU Run Time Every 1 MN

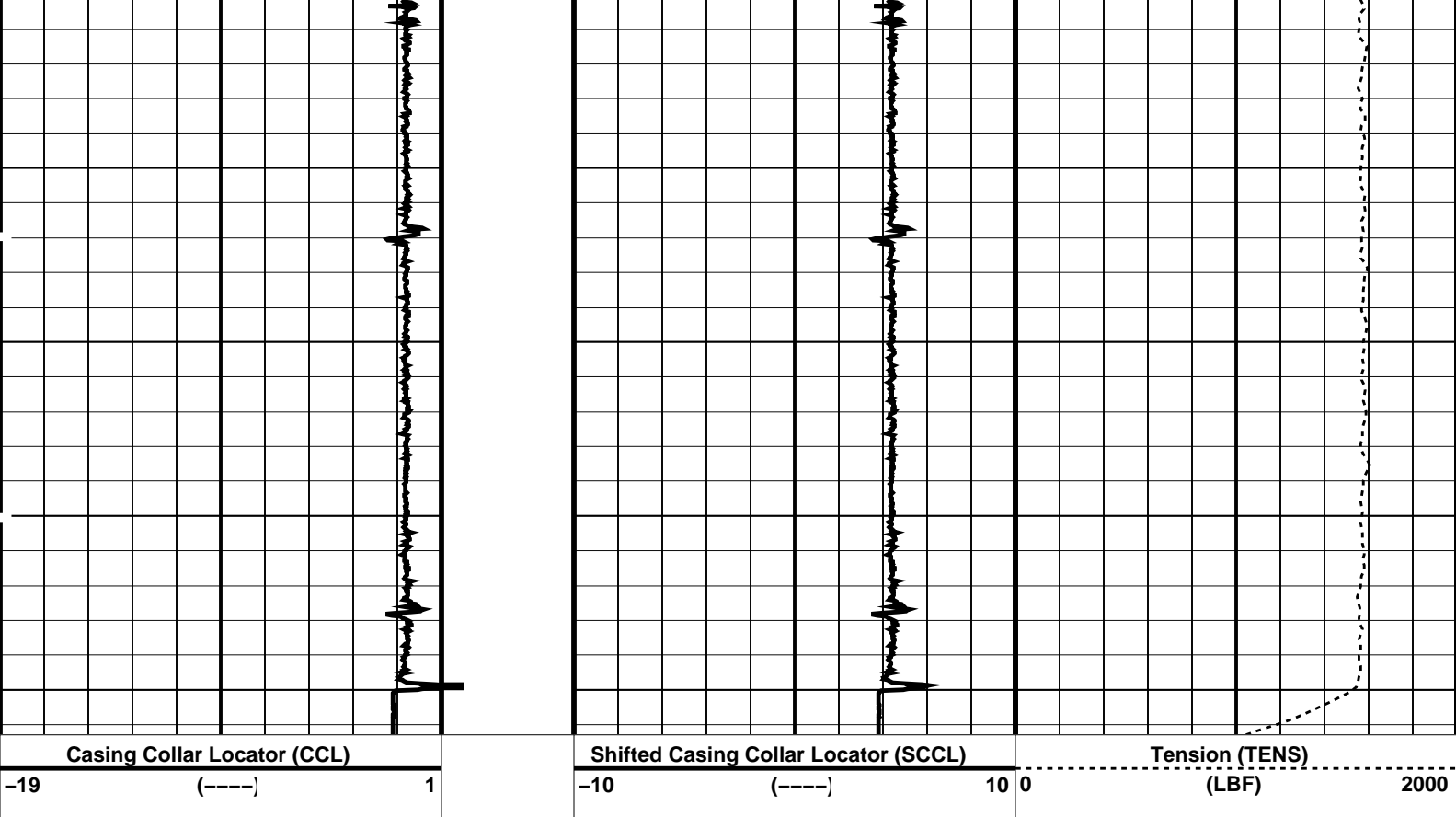
└ MPSU Run Time Every 10 MN

Time Mark Every 60 S

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

Format: MPBT Vertical Scale: 1:600 Graphics File Created: 06-Jun-2010 11:18

OP System Version: 17C0-154



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
CCLD	CCL-PCCL: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.3 V
	CCL Detection Level	

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 06-Jun-2010 11:04

OP System Version: 17C0-154

MPEX-BA	17C0-154	MPSU-BA	17C0-154
CCL-PCCL	17C0-154		

Output DLIS Files

DEFAULT	MPBT_027LUP	FN:26	PRODUCER	06-Jun-2010 11:04
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Schlumberger

Dummy Plug Pass

MAXIS Field Log

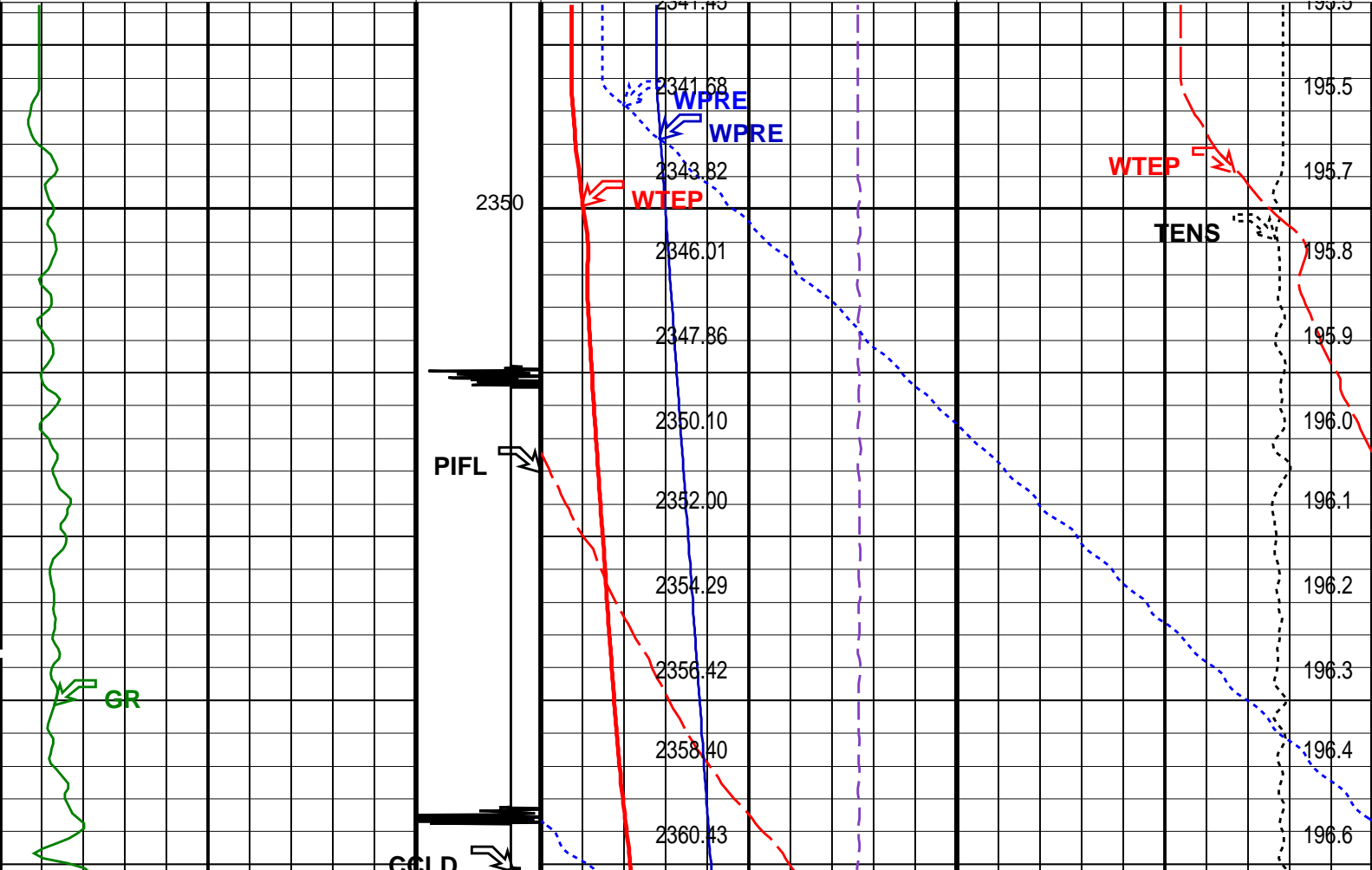
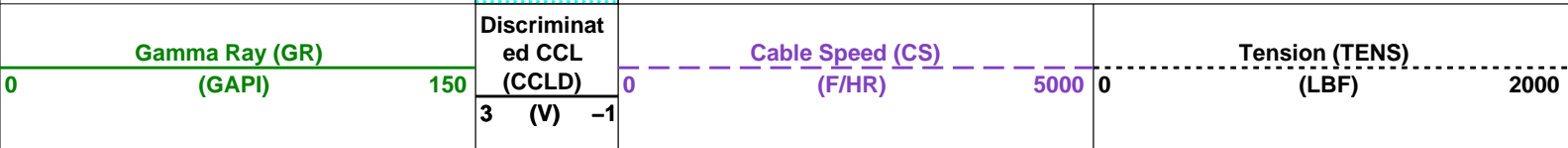
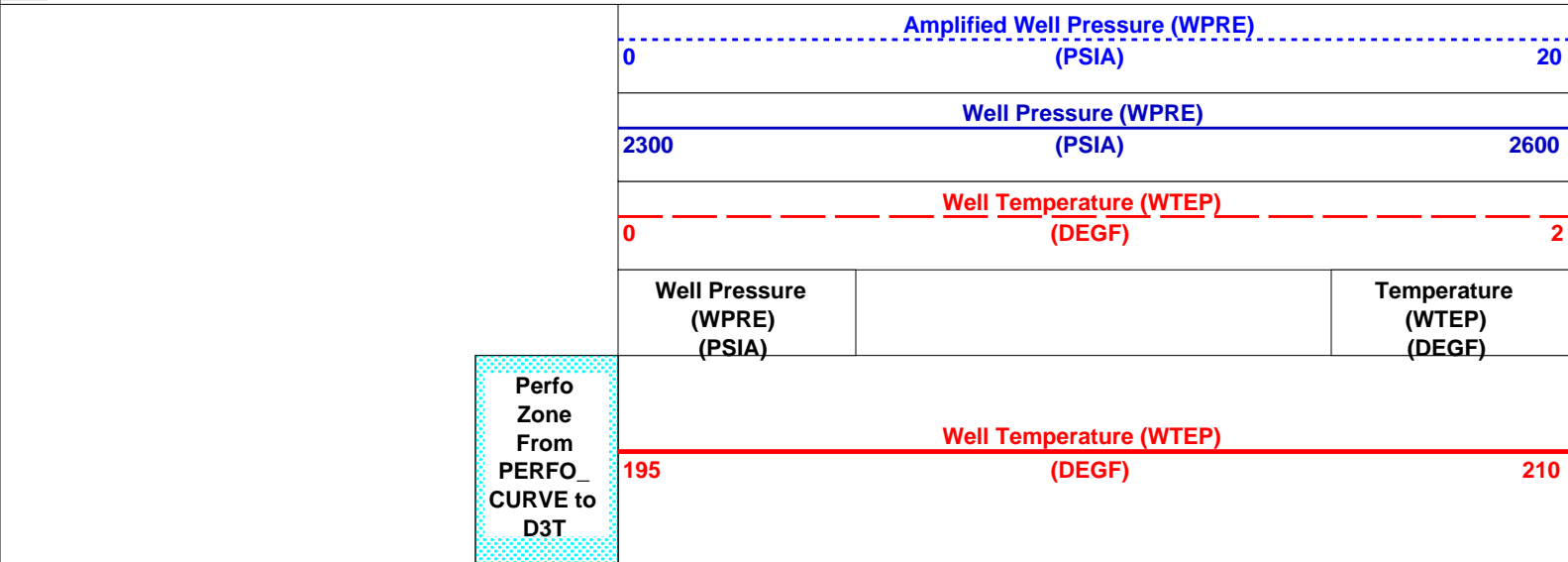
Output DLIS Files

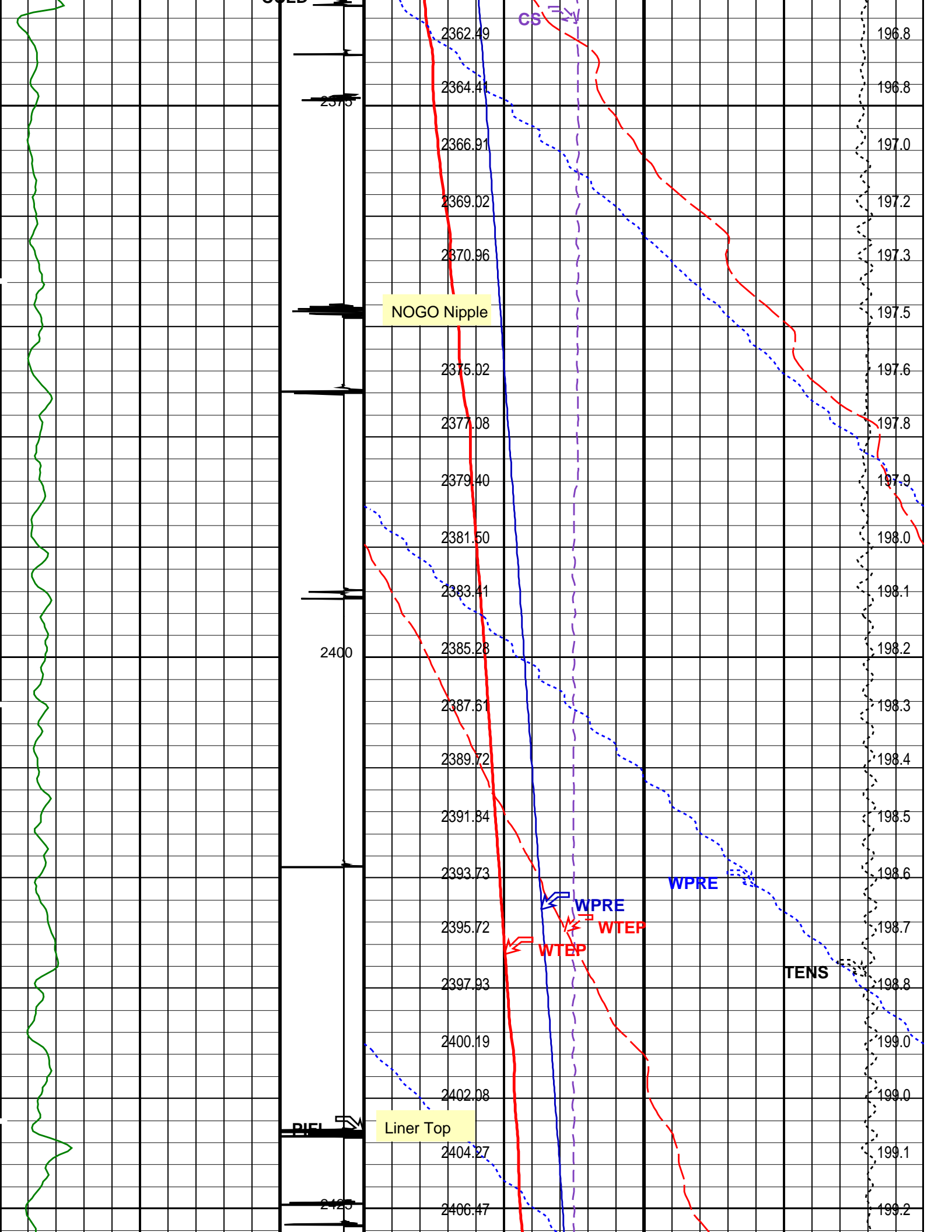
OP System Version: 17C0-154

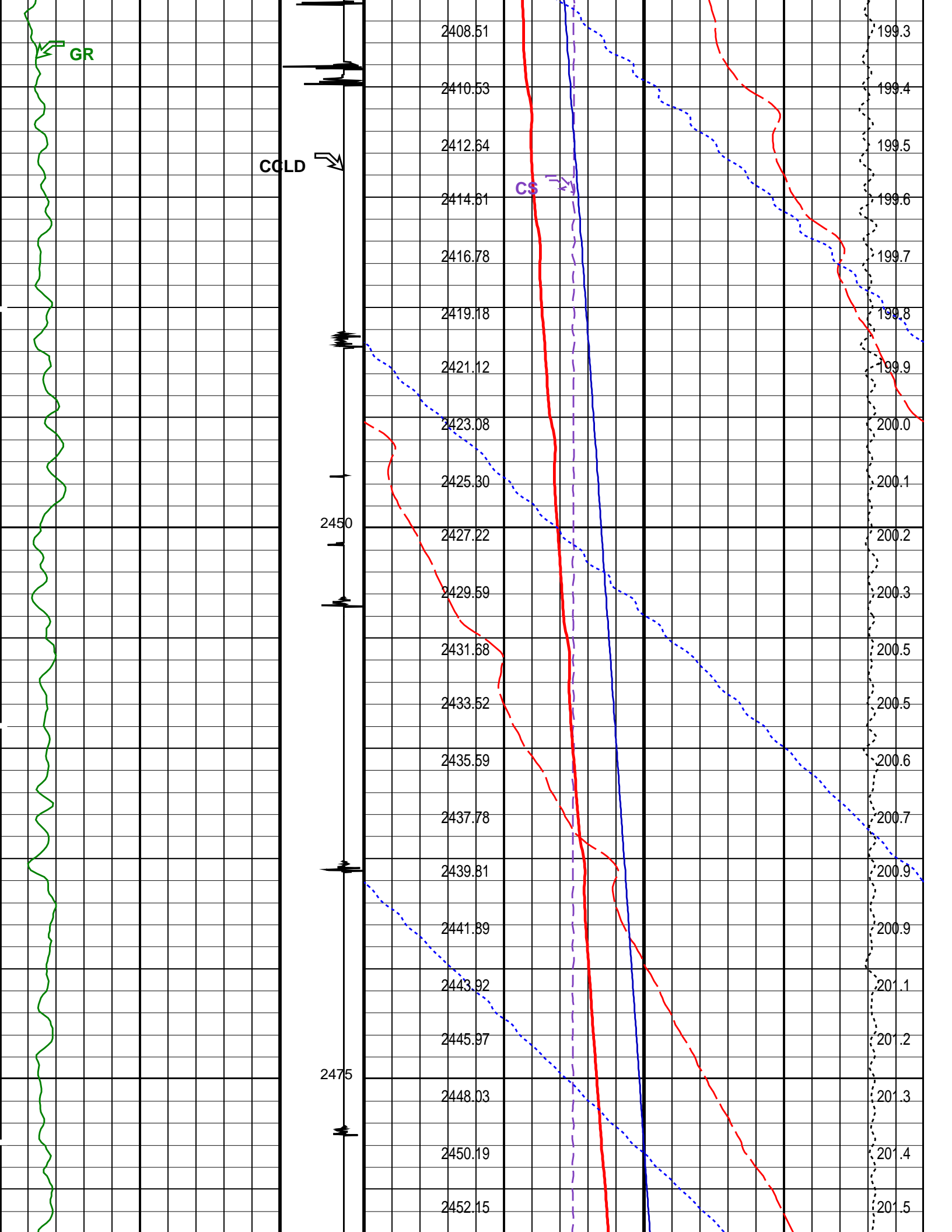
PSPTSRPC-3971-Q1_2010_OP17

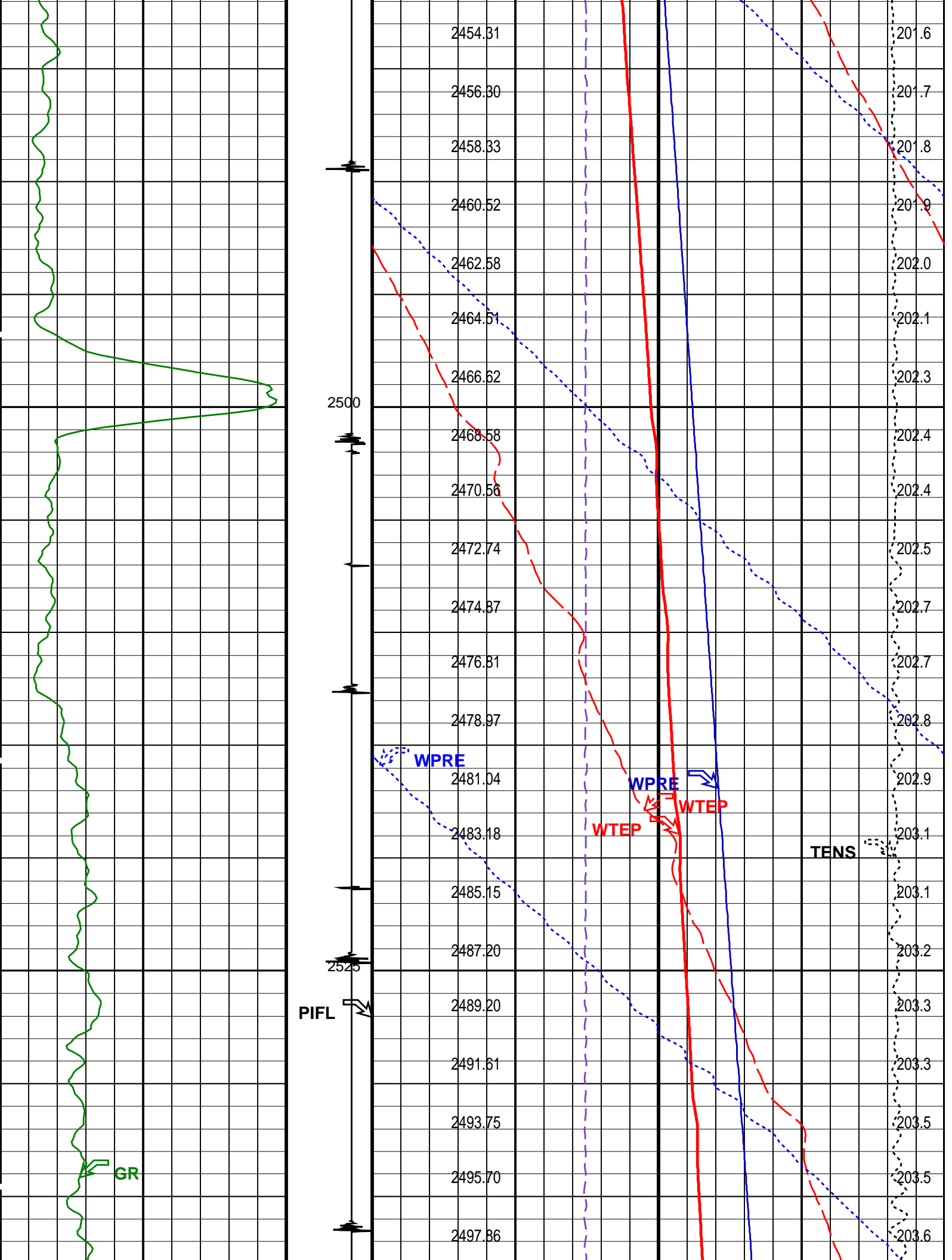
PIP SUMMARY

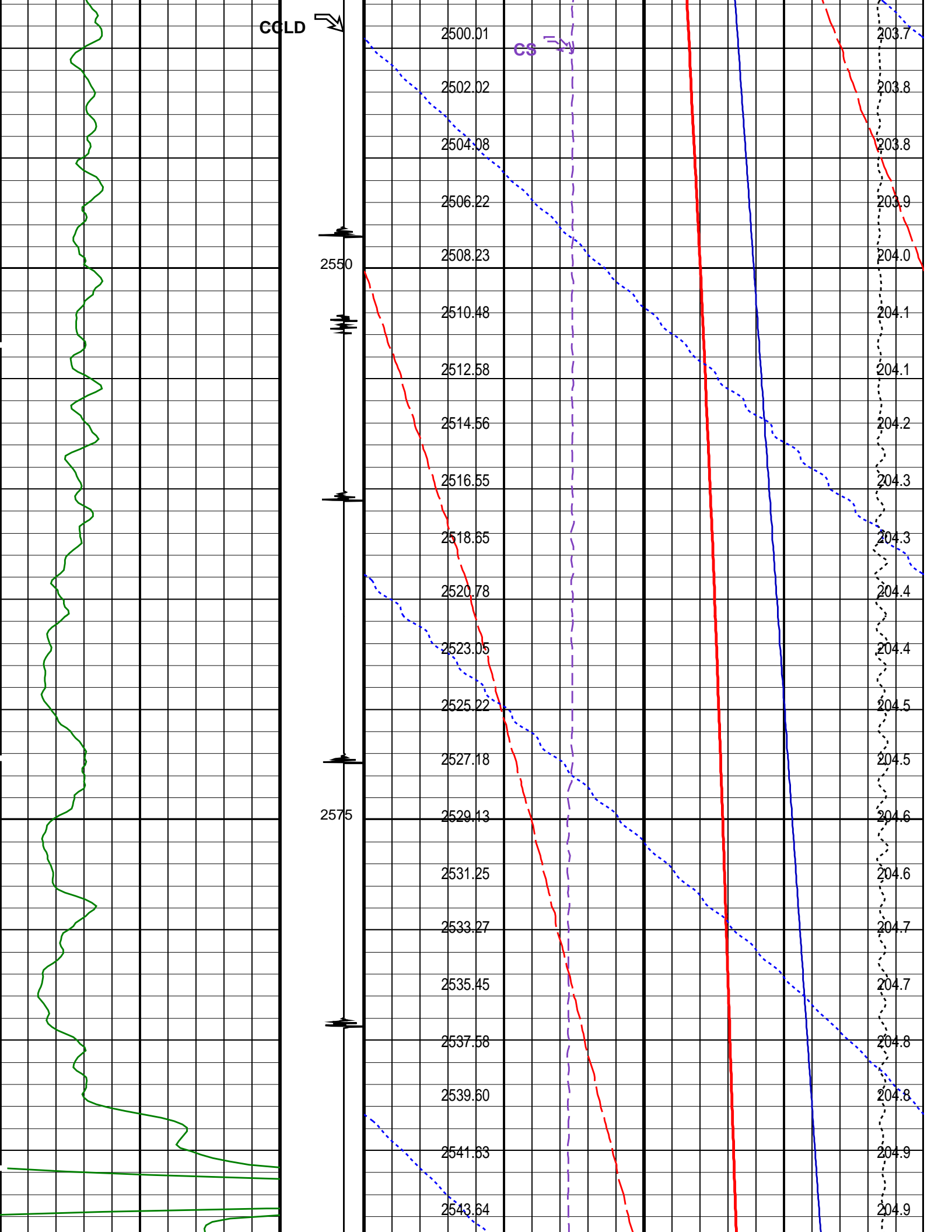
Time Mark Every 60 S

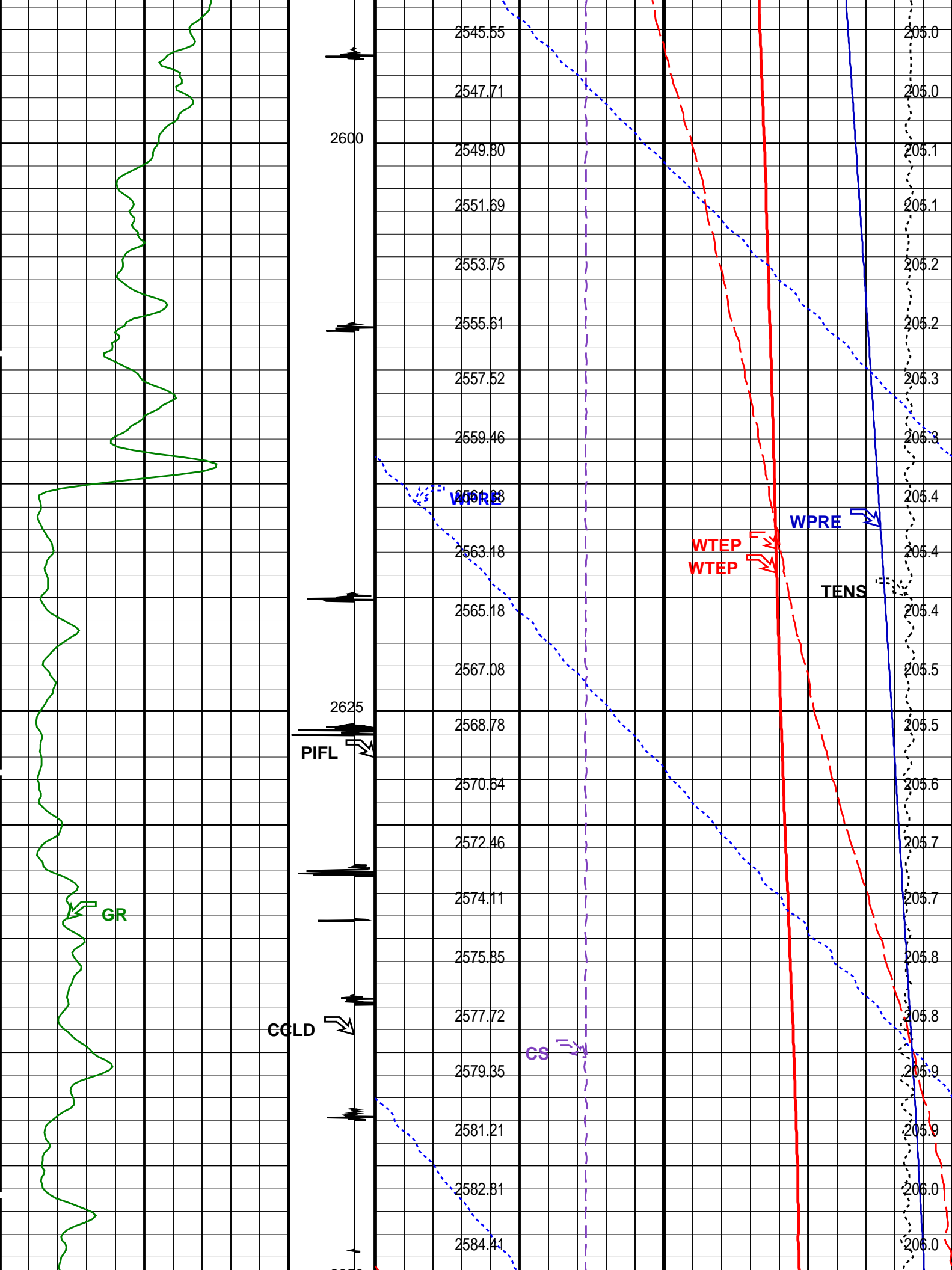


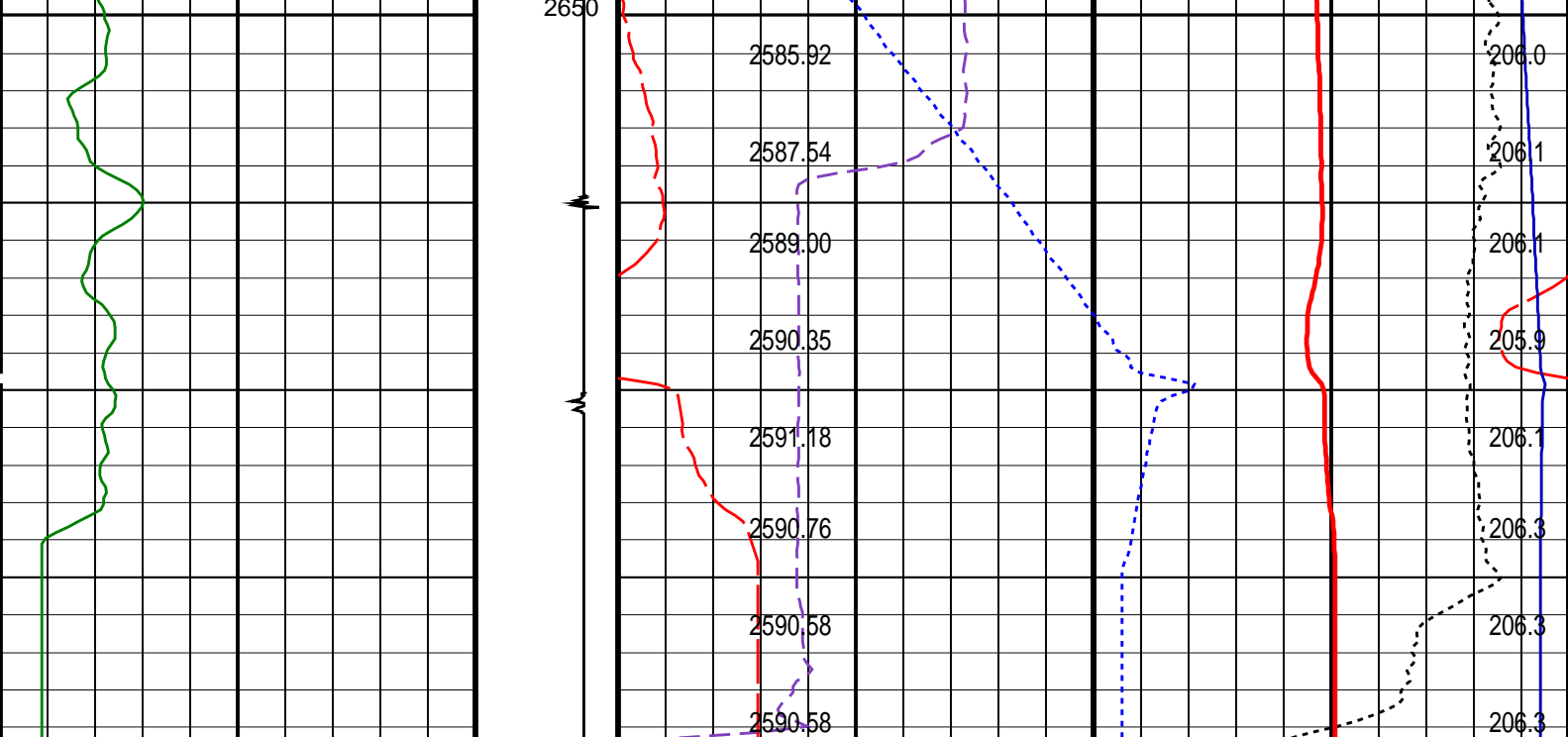












Gamma Ray (GR) (GAPI)		Discriminat ed CCL (CCLD)	Cable Speed (CS) (F/HR)		Tension (TENS) (LBF)	
0	150	3 (V) -1	0	5000	0	2000

Perfo Zone From PERFO_ CURVE to D3T	Well Temperature (WTEP) (DEGF)	
	195	210
	Well Pressure (WPRE) (PSIA)	Temperature (WTEP) (DEGF)
	Well Temperature (WTEP) (DEGF)	
	0	2
Well Pressure (WPRE) (PSIA)		
2300		
Amplified Well Pressure (WPRE) (PSIA)		
0		
20		

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 06-Jun-2010 08:55

OP System Version: 17C0-154

PSPT SRPC-3971-Q1_2010_OP17

Parameters		
DLIS Name	Description	Value
DO PP	System and Miscellaneous Depth Offset for Playback Playback Processing	-0.3 M NORMAL

Input DLIS Files					
DEFAULT	PSP_017LUP	FN:16	PRODUCER	06-Jun-2010 08:30	2669.6 M 2346.5 M

Output DLIS Files

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **BREAM A A16**
Field: **Bream A**
Rig : **Prod4 / Crane**
Country: **Australia**

5 1/2" MPBT Plug Setting Record
2.125" Phased Powerjet Perforation
6-Jun-2010