



Company: Esso Australia Ltd.

Well: HLA\_A20  
Field: Halibut  
Rig: Prod4/Crane

Country: Australia

Prod4/Crane  
Rig: Halibut  
Field: Gippsland  
Location: HLA\_A20  
Well: Esso Australia Ltd.  
Company:

MPBT–Dump Bailer  
10–April–2006  
Maxis Express System

LOCATION		Elev.:	K.B.	33.5 m
Gippsland			G.L.	0 m
Basin			D.F.	33.5 m
Bass Strait				
Permanent Datum:		Mean Sea Level		
Log Measured From:		Kelly Bushing		
Drilling Measured From:		Kelly Bushing		

State: Victoria	Max. Well Deviation 37 deg	Longitude 147° 19' 07.62" E	Latitude 38° 24' 20.36" S
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Logging Date	10–Apr–2006		
Run Number	1		
Depth Driller	2835 m		
Schlumberger Depth	2738 m		
Bottom Log Interval	2738 m		
Top Log Interval	2600 m		
Casing Fluid Type	Produced Fluids		
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	6.000 in		
From	2158 m		
To	2835 m		
Casing/Tubing Size	4.500 in		
Weight	12.6 lbm/ft		
Grade	L–80		
From	2014 m		
To	2784 m		
Maximum Recorded Temperatures			
Logger On Bottom	10–Apr–2006	17:00	
Unit Number	1	VEA	
Recorded By	G Fraser		
Witnessed By	Barrie White		

PVT DATA				Run 1	Run 2	Run 3
Oil Density						
Water Salinity						
Gas Gravity						
Bo						
Bw						
1/Bg						
Bubble Point Pressure						
Bubble Point Temperature						
Solution GOR						
Maximum Deviation	37 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: 17-APR-2006 13:14:15

**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:	1037	Serial Number:	22372
Calibration Date:	01-May-2005	Calibration Date:	1-Apr-2006	Length:	5002.07 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1174	Conveyance Method: Wireline Rig Type: Offshore_Fixed	
Calibration Cable Type:	2-23ZT	Calibration Gain:	1.38		
Wheel Correction 1:	-3	Calibration Offset:	448.00		
Wheel Correction 2:	-3				

**Depth Control Parameters**

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	Solar Log Supplied by Client
Reference Log Run Number:	
Reference Log Date:	

**Depth Control Remarks**

1. IDW used as primary depth control
2. Z-Chart used as secondary depth control
3.
4.
5.
6.

**DISCLAIMER**

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OTHER SERVICES1
OS1: None
OS2:
OS3:
OS4:
OS5:
REMARKS: RUN NUMBER 1
Log correlated to Solar Composite Log supplied by client
Objective:
To run a drift run to obtain correlation log and temperture
Set a MPBT plug at 2716m top seal
Dump one run of water and check plug depth
Dump one run of cement to give aprox 1m of cement
Drift run found TD at 2738m and temperture 226 DEGF Pressure 3200 PSI
4.5 MPBT plug was set at 2716m top element

4.5 MPBT plug was set at 2716m top element
Water dump run found top element of MPBT at 2716m
Aprox 1m of cement was dumped on the plug
Crew: John Light, Luke Dooley

RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: 14C0-302 FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

## EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT		SURFACE EQUIPMENT	
WITM-A 827 PSC_16MHZ 827		MPBM	

DOWNHOLE EQUIPMENT		DOWNHOLE EQUIPMENT	
AH-SWBS AH-SWBS 761	8.41	AH-SWBS AH-SWBS 761	10.22
AH-SWBS AH-SWBS 763	8.11	AH-SWBS AH-SWBS 763	9.91
MH-SWHS MH-SWHS 726	7.80	MH-SWHS MH-SWHS 726	9.61
PSPT-A/B PSC-A 827 PSPT-B 827 PSTC 827 PBMS-B 827 CQG_F_Mano 827 RTD Thermometer 827 GR 827 CCL 827 PBMS 827	7.32	CCL Tachometer Cable Cur Head Volt Tension	9.13
Detail MT TelStatus CTEM	7.32	CCL-L CCL-L 4191	TOOL ZERO
GR	6.19	MPSU-CA MPSU-CA 1102	8.67
Well_Temp CQG Manom CCL	5.26 5.16 5.03		
PBMS PSTC	4.80		
EQF-43 EQF-43	4.80		

AH–Dummy Plug  
AH–Dummy Plug

2.97

Tension HV 0.00  
TOOL ZERO

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

MPEX–BA  
MPEX–BA

2.26

TOOL BOTTOM

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

HLA\_A20

Production String	(in)		(m)	Well Schematic				(m)	(in)		Casing String	
	OD	ID	MD					MD	OD	ID		
Tubing	3.500		0.0					0.0	10.750		Casing String	
Shutin Valve	3.500		145.0									
Tubing	3.500		145.0								Casing Shoe	
								549.0	10.750			
Gas Lift Mandrel	3.500		840.0									
Tubing	3.500		840.0									
Gas Lift Mandrel	3.500		1275.0									
Tubing	3.500		1275.0									
Gas Lift Mandrel	3.500		1749.0									
Tubing	3.500		1749.0									

[illegible]

## All Depth Are Driller's Depths



## Job Event Summart

MAXIS Field Log

## Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Rig Up Started	10-Apr-2006	15:00		
Log Pass (up)	10-Apr-2006	16:58	000:14	2743.4 – 2544.9 PSP_016LUP
Log Pass (up)	11-Apr-2006	9:22	000:10	2729.9 – 2597.8 MPBT_023LUP
Log Pass (up)	11-Apr-2006	9:45	000:09	2729.9 – 2709.2 MPBT_027LUP
Log Pass (up)	11-Apr-2006	9:55	000:17	12192.0 – 11940.7 MPBT_028LUP
Log Pass (up)	11-Apr-2006	10:17	000:06	2709.2 – 2625.2 MPBT_029LUP
Log Pass (up)	11-Apr-2006	12:55	000:08	2711.8 – 2651.2 PERFO_033LUP
Log Pass (up)	11-Apr-2006	14:53	000:06	2712.7 – 2657.7 PERFO_039LUP
Rig Down Completed	11-Apr-2006	16:00		

**Schlumberger**

## Cement Dump Operational Summary Listing

MAXIS Field Log

### PERFO2 Operational Summary Listing

Device Status Req Depth ( M) Obs Depth ( M) Time Used

GUN1 Used 2715.5 2715.5 Tue Apr 11 14:56:09 2006

**Schlumberger**

## Cement Dump Dump Log

MAXIS Field Log

Company:

Well:

### Input DLIS Files

DEFAULT PERFO\_039LUP FN:38 PRODUCER 11-Apr-2006 14:53 2712.7 M 2657.7 M

### Output DLIS Files

DEFAULT PERFO\_041PUP FN:40 PRODUCER 11-Apr-2006 15:01 2711.5 M 2657.1 M

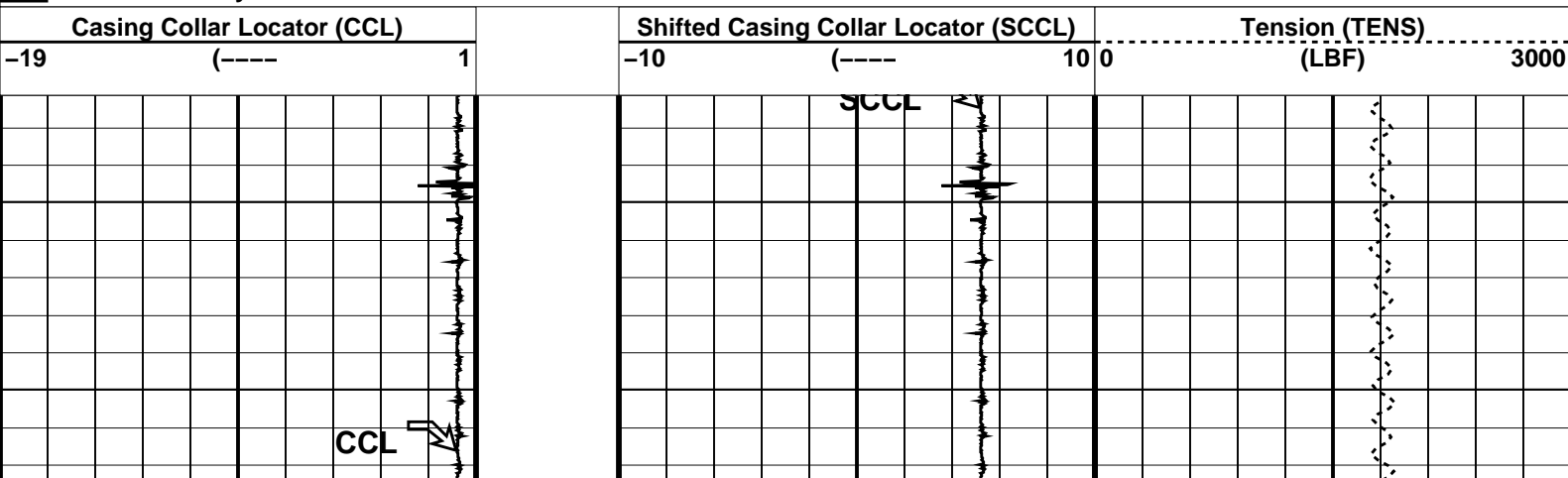
### OP System Version: 14C0-302

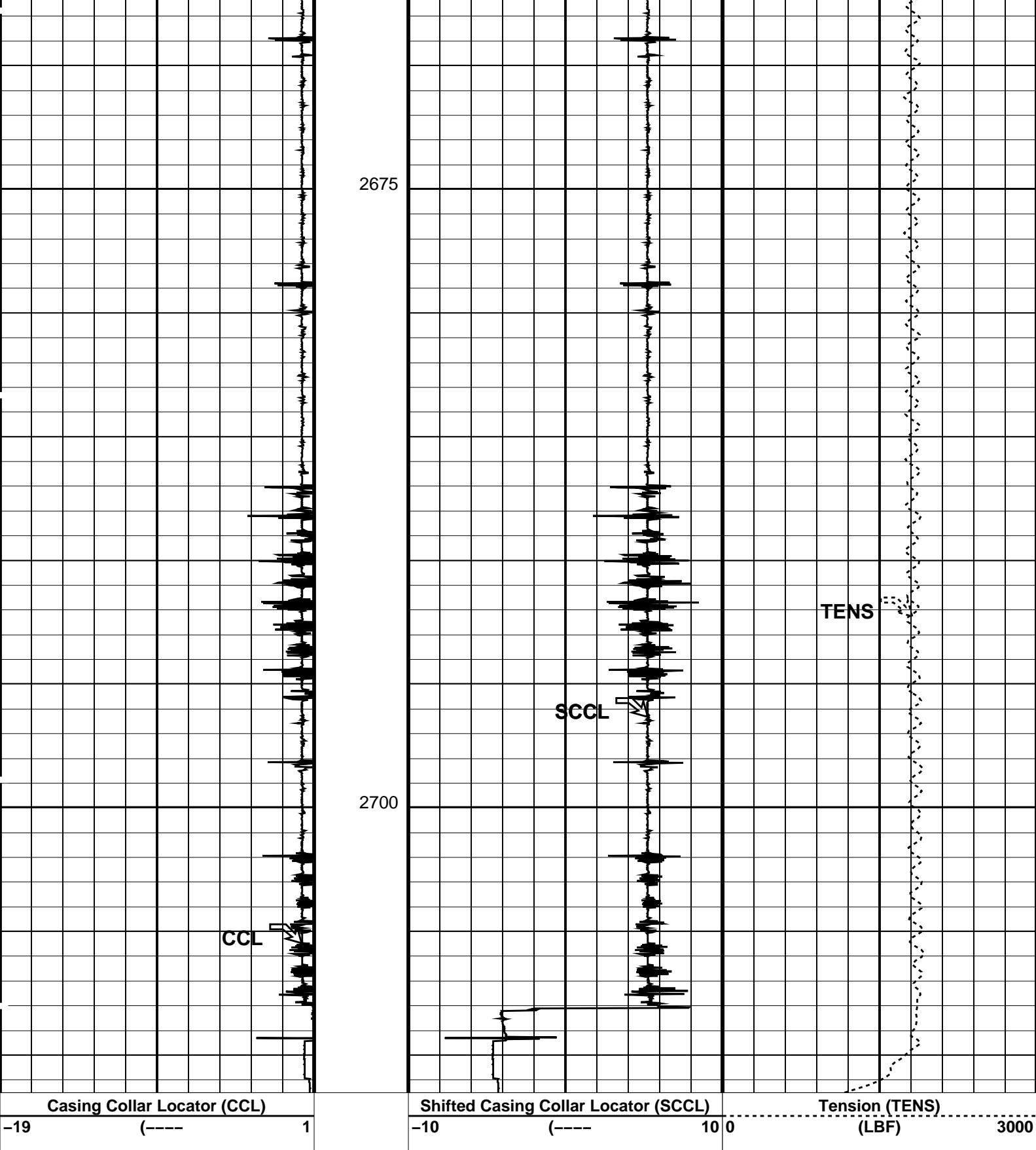
MCM

SHM\_GUN 14C0-302 CCL-L 14C0-302

### PIP SUMMARY

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	
CCLT	CCL reset delay	12 IN
	CCL Detection Level	0.3 V
System and Miscellaneous		
DO	Depth Offset for Playback	-1.2 M
PP	Playback Processing	NORMAL

**OP System Version: 14C0-302**

## MCM

SHM_GUN	14C0-302	CCL-L	14C0-302
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## Input DLIS Files

DEFAULT	PERFO_039LUP	FN:38	PRODUCER	11-Apr-2006 14:53	2712.7 M	2657.7 M
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## Output DLIS Files

DEFAULT	PERFO_041PUP	FN:40	PRODUCER	11-Apr-2006 15:01
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## Water Dump Operational Summary Listing

MAXIS Field Log

## PERFO2 Operational Summary Listing

Device	Status	Req Depth ( M)	Obs Depth ( M)	Time Used
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GUN1 Used 2715.5 2715.5 Tue Apr 11 12:59:39 2006



# Water Dump Dump Log

MAXIS Field Log

Company:	Well:
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## Output DLIS Files

DEFAULT	PERFO 033LUP	FN:32	PRODUCER	11-Apr-2006 12:55	2711.8 M	2651.2 M
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**OP System Version: 14C0-302**

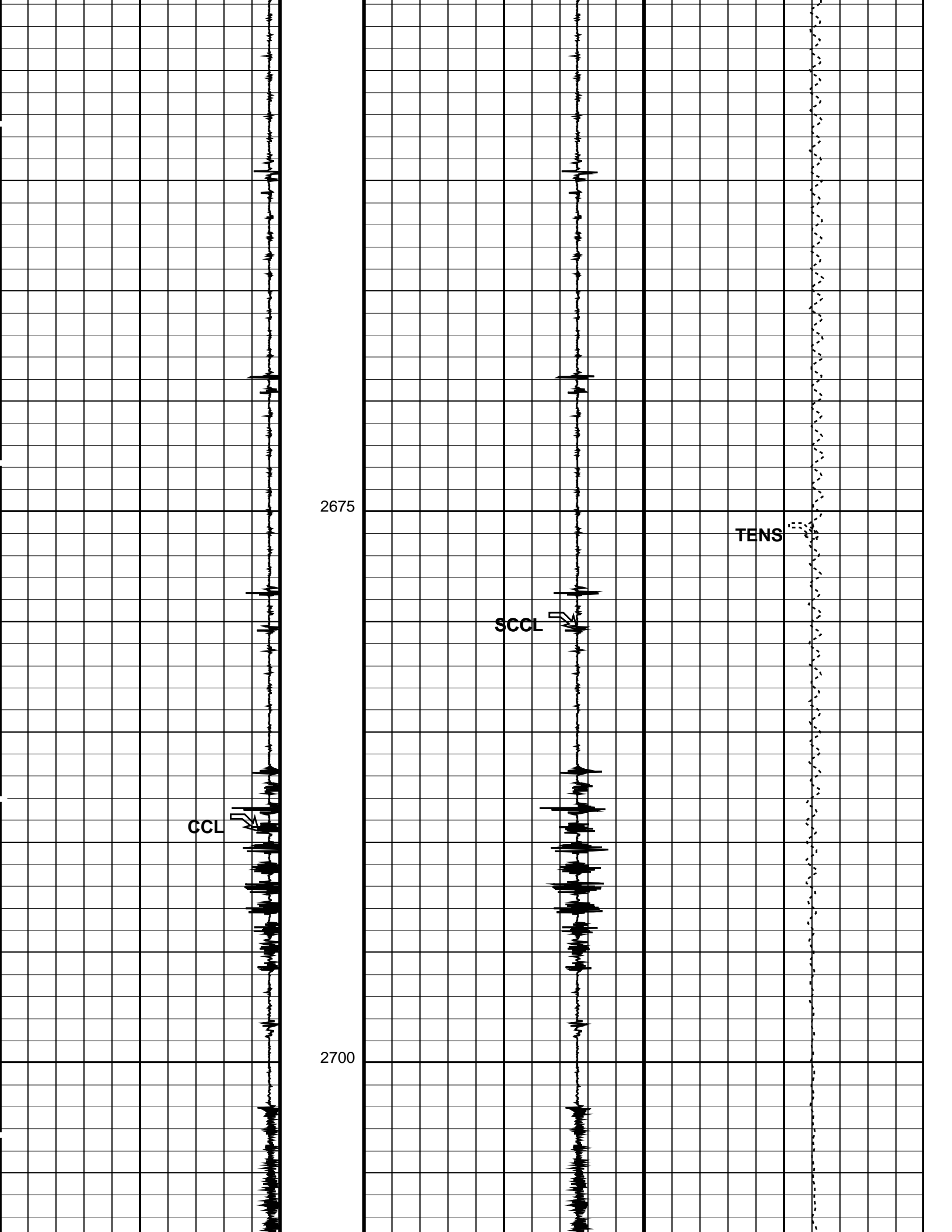
**MCM**

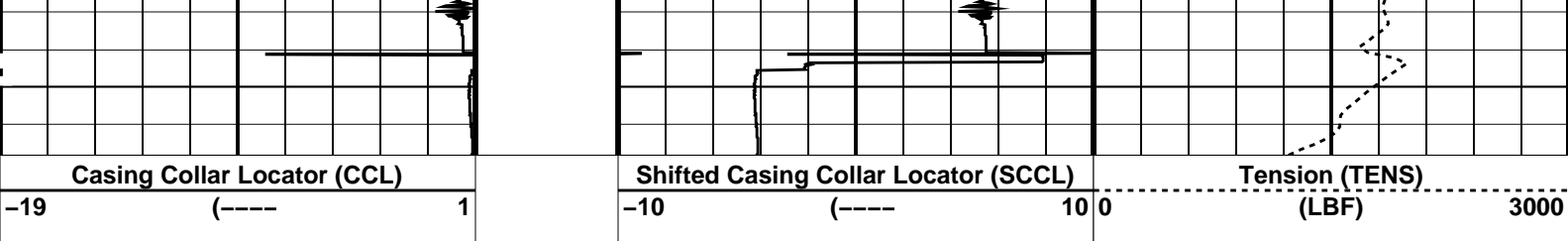
SHM GUN	14C0-302	CCL-L	14C0-302
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## PIP SUMMARY

**Time Mark Every 60 S**

Casing Collar Locator (CCL)		Shifted Casing Collar Locator (SCCL)		Tension (TENS)	
-19	(---- 1	-10	(---- 10 0	(LBF)	3000






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	0.3 V

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 11-Apr-2006 12:55

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

Output DLIS Files			
DEFAULT	PERFO_033LUP	FN:32 PRODUCER	11-Apr-2006 12:55




MPBT

Operational Summary Listing

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth ( M)	Obs Depth ( M)	Time Used
MPEX	Used	2716.0	2716.0	Tue Apr 11 10:00:39 2006



MPBT

After Set Log

MAXIS Field Log

Company: Well:

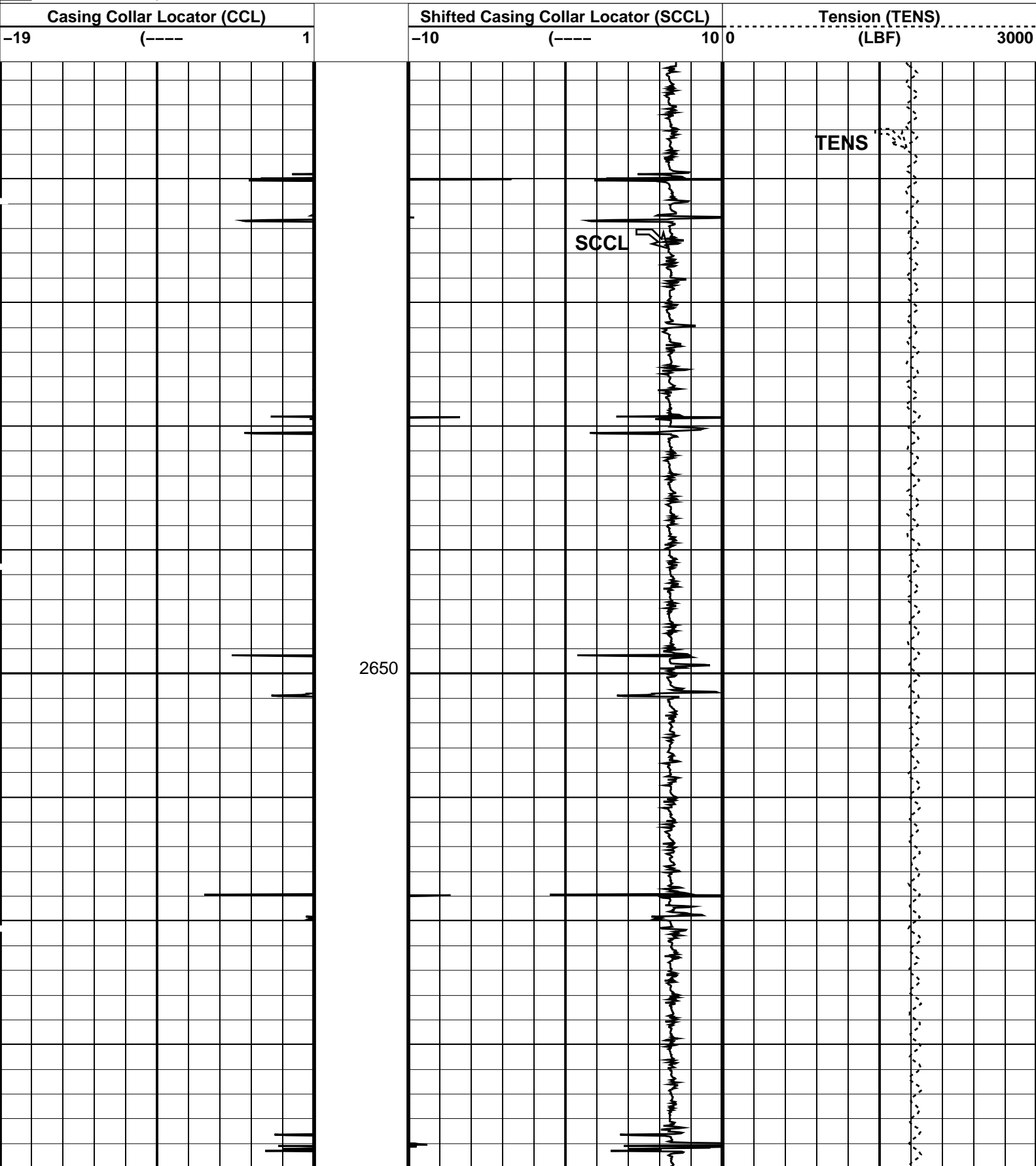
Output DLIS Files

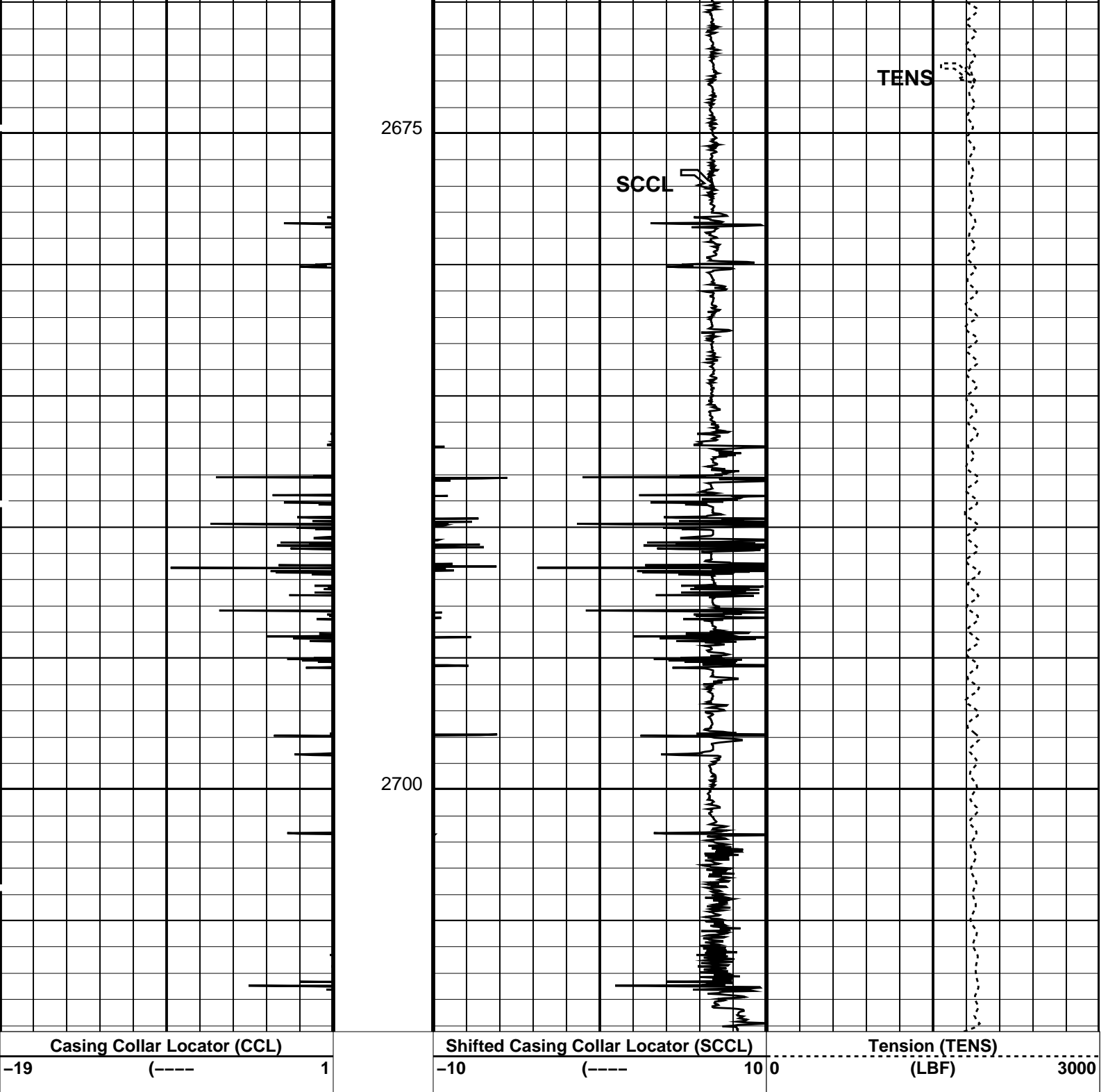
OP System Version: 14C0-302  
MCM

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

PIP SUMMARY

Time Mark Every 60 S





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	0.3 V

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 11-Apr-2006 10:17

OP System Version: 14C0-302  
MCM

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

# Output DLIS Files

DEFAULT

MPBT\_029LUP

FN:28

PRODUCER

11-Apr-2006 10:17

**Schlumberger**

## MPBT Setting Log

MAXIS Field Log

Company:

Well:

# Output DLIS Files

DEFAULT

MPBT\_028LUP

FN:27

PRODUCER

11-Apr-2006 09:55

## OP System Version: 14C0-302

MCM

MPEX-BA  
CCL-L

14C0-302  
14C0-302

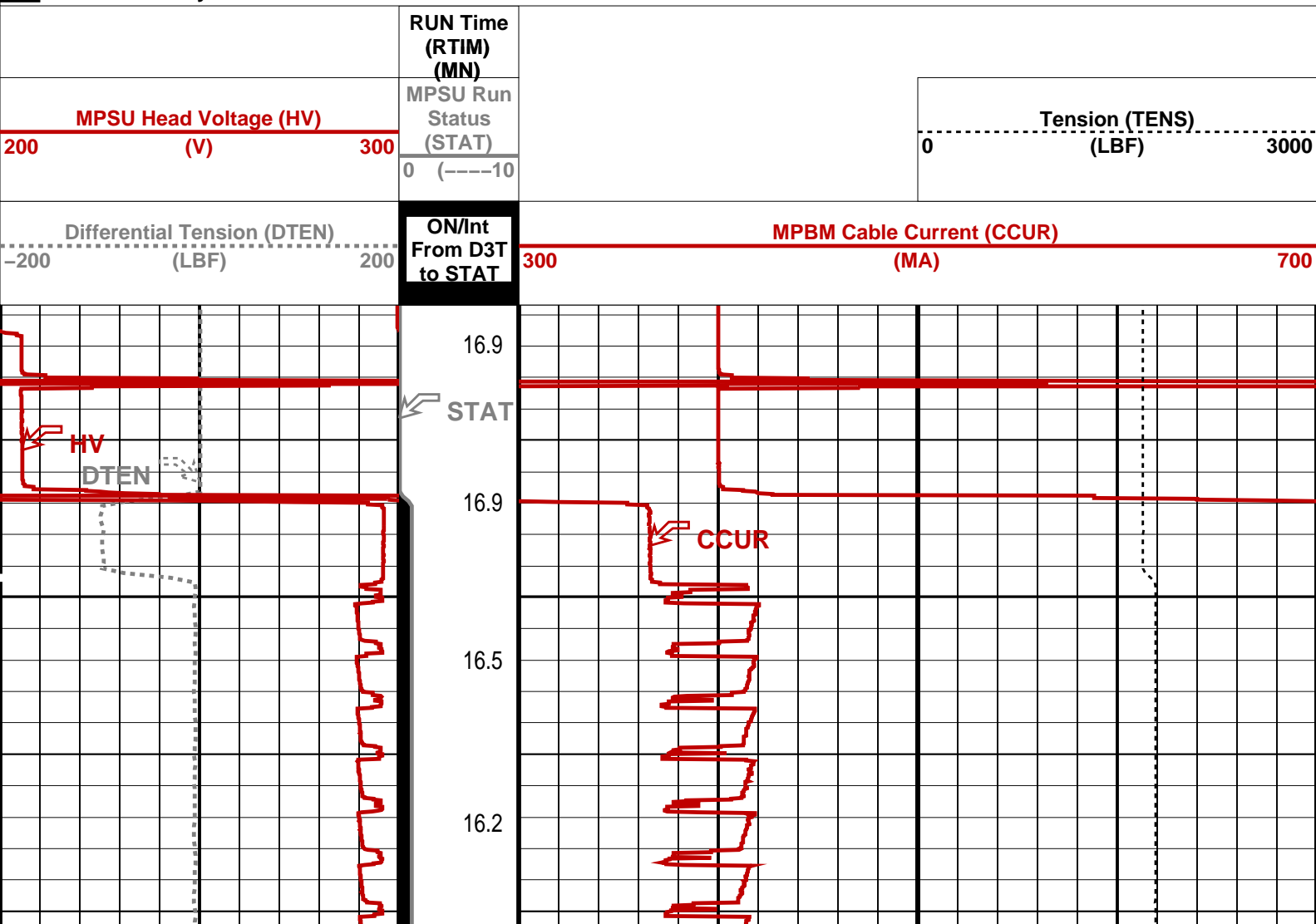
MPSU-CA

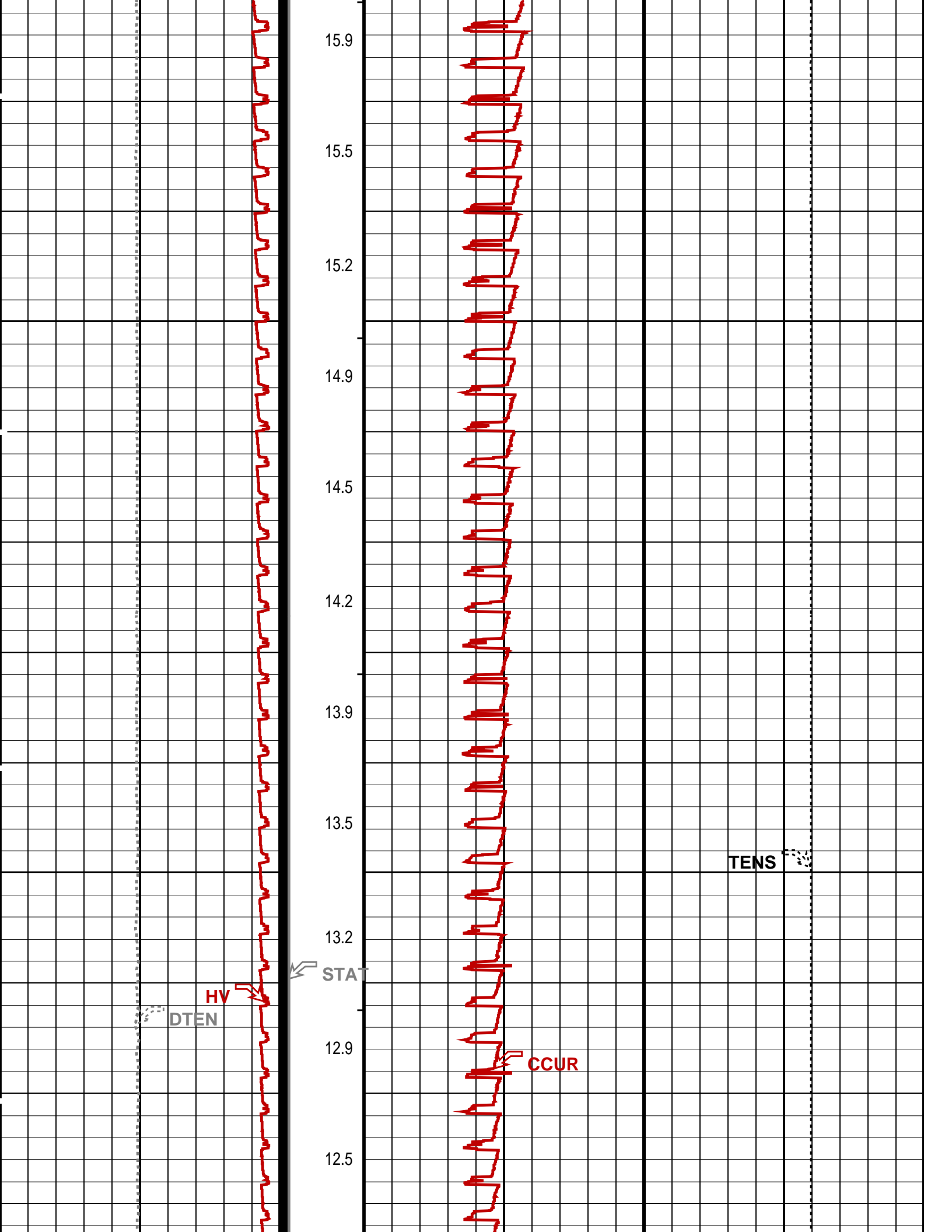
14C0-302

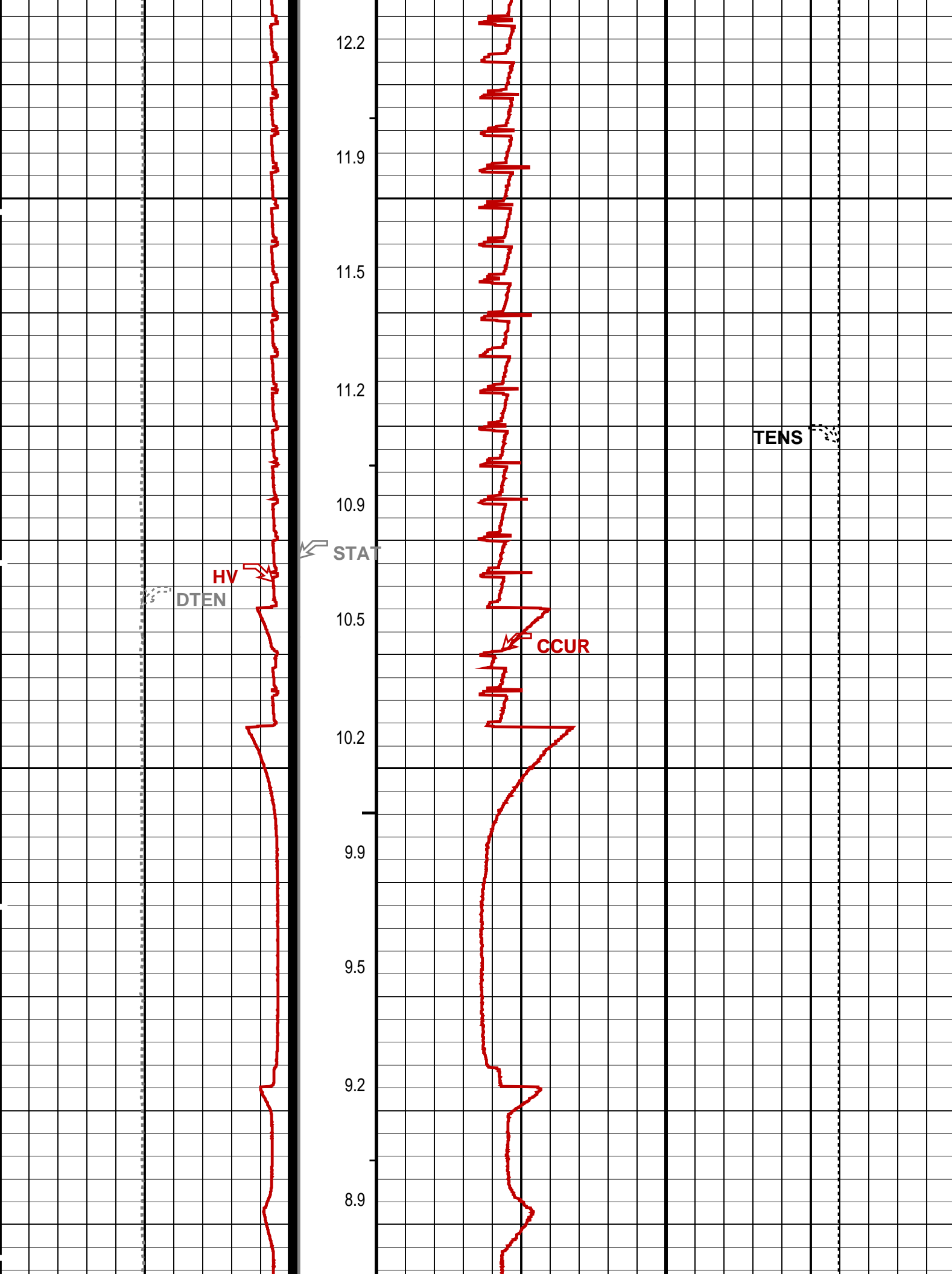
### PIP SUMMARY

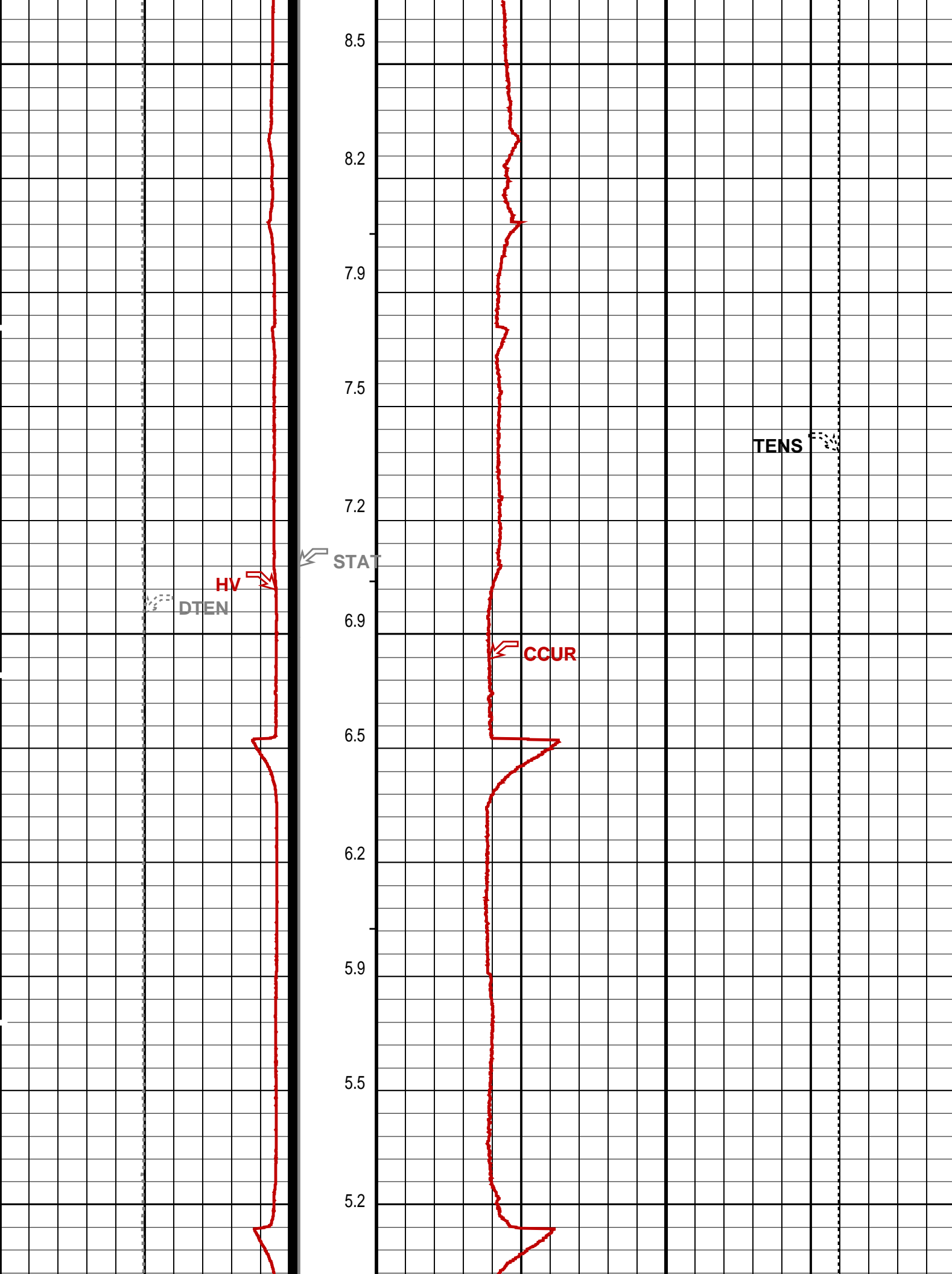
- MPSU Run Time Every 1 MN
- MPSU Run Time Every 10 MN

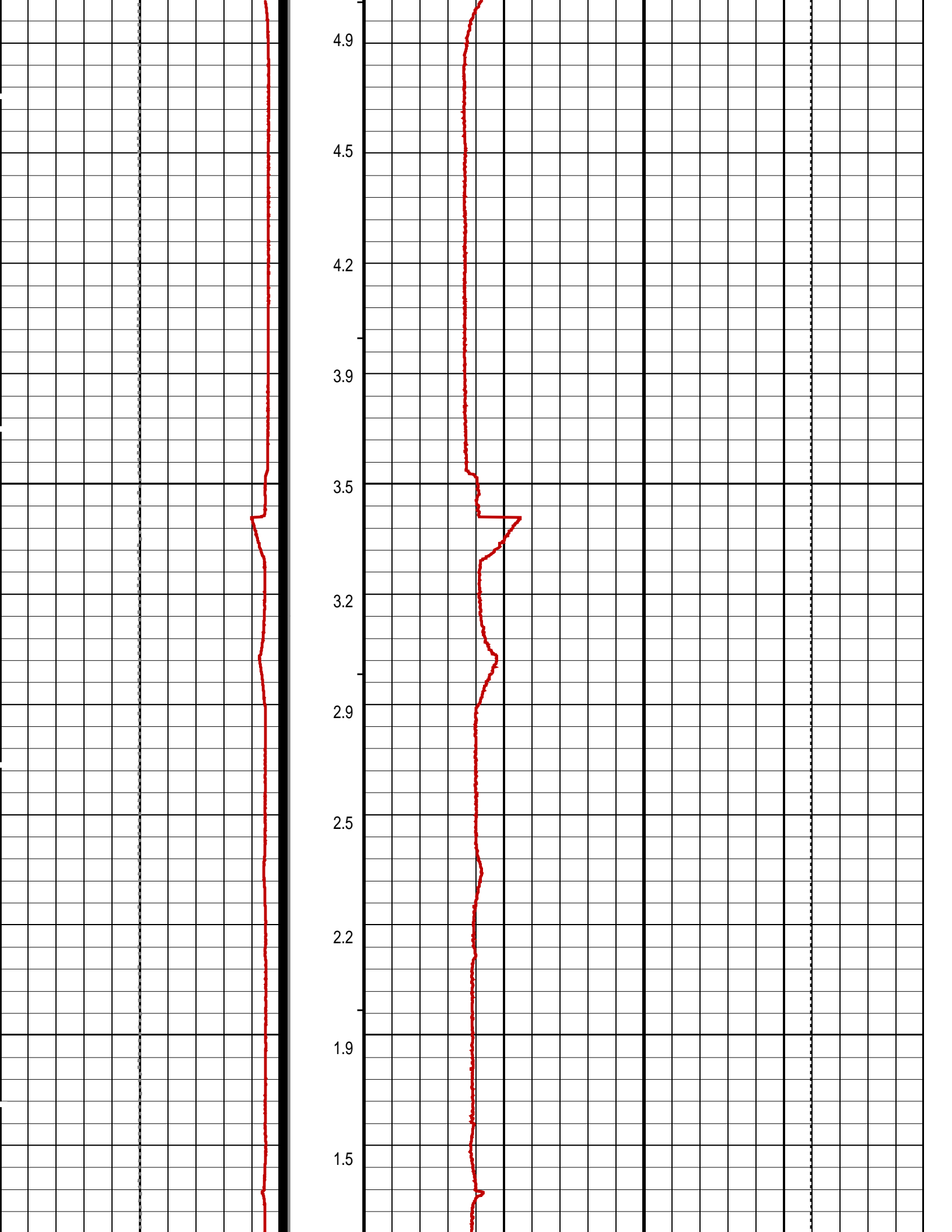
Time Mark Every 60 S

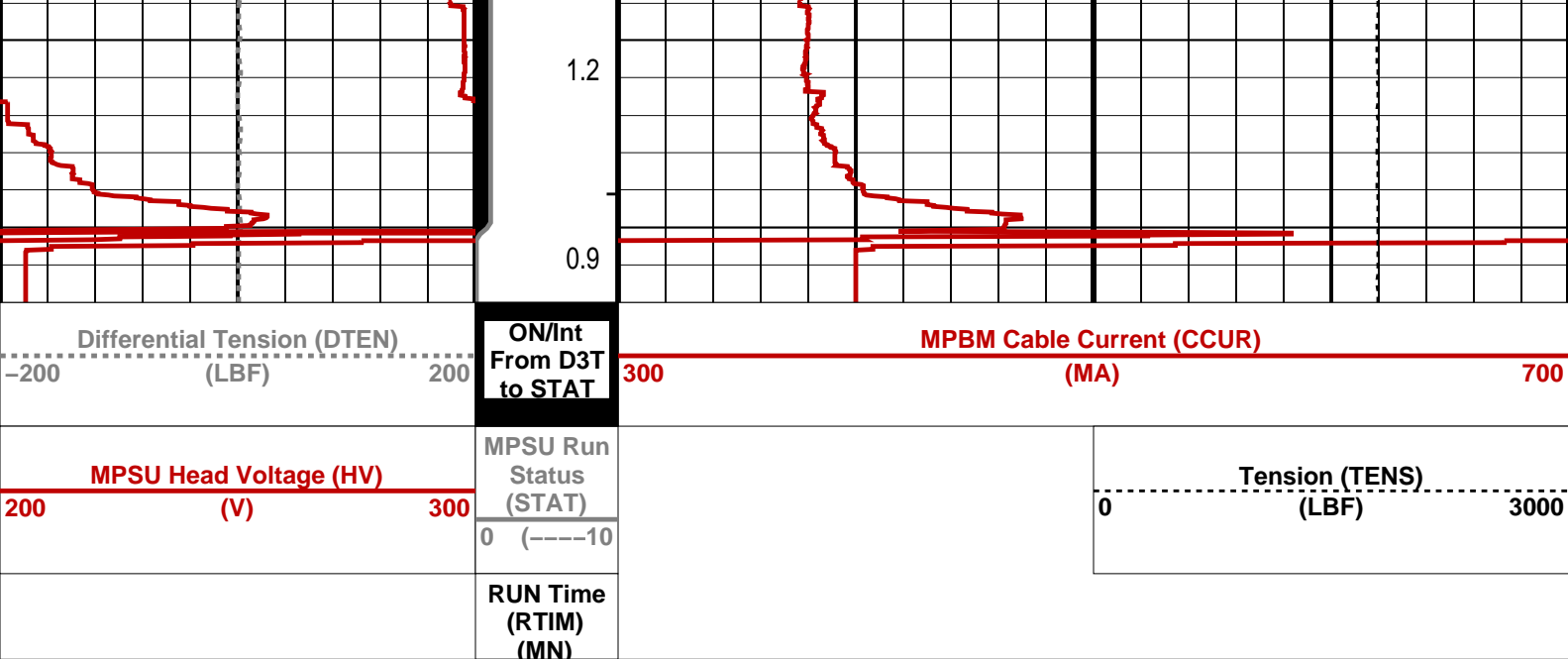












PIP SUMMARY  
→ MPSU Run Time Every 1 MN  
→ MPSU Run Time Every 10 MN  
Time Mark Every 60 S

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

Format: MPBT    Vertical Scale: 1:200    Graphics File Created: 11-Apr-2006 09:55

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

Output DLIS Files			
DEFAULT	MPBT_028LUP	FN:27    PRODUCER	11-Apr-2006 09:55



**MPBT**  
**Before Set Log**

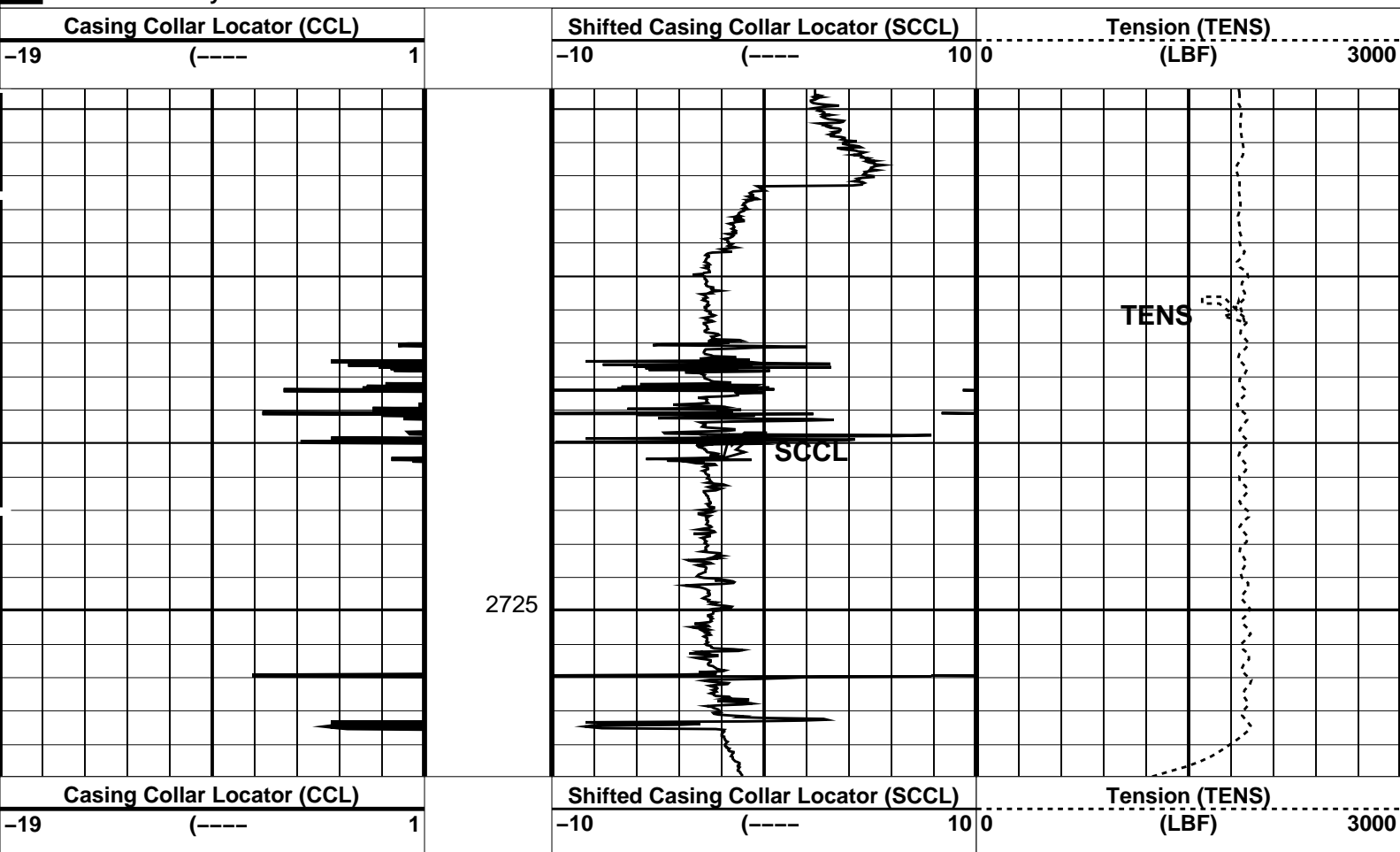
MAXIS Field Log

Company: \_\_\_\_\_ Well: \_\_\_\_\_

Output DLIS Files					
DEFAULT	MPBT_027LUP	FN:26    PRODUCER	11-Apr-2006 09:45	2729.9 M	2709.2 M
OP System Version: 14C0-302					
MCM					
MPEX-BA	14C0-302	MPSU-CA	14C0-302		
CCL-L	14C0-302				

# PIP SUMMARY

Time Mark Every 60 S



# 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	0.3 V

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 11-Apr-2006 09:45

## OP System Version: 14C0-302

MCM

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

## Output DLIS Files

DEFAULT MPBT\_027LUP FN:26 PRODUCER 11-Apr-2006 09:45

**Schlumberger**

## MPBT Correlation Log

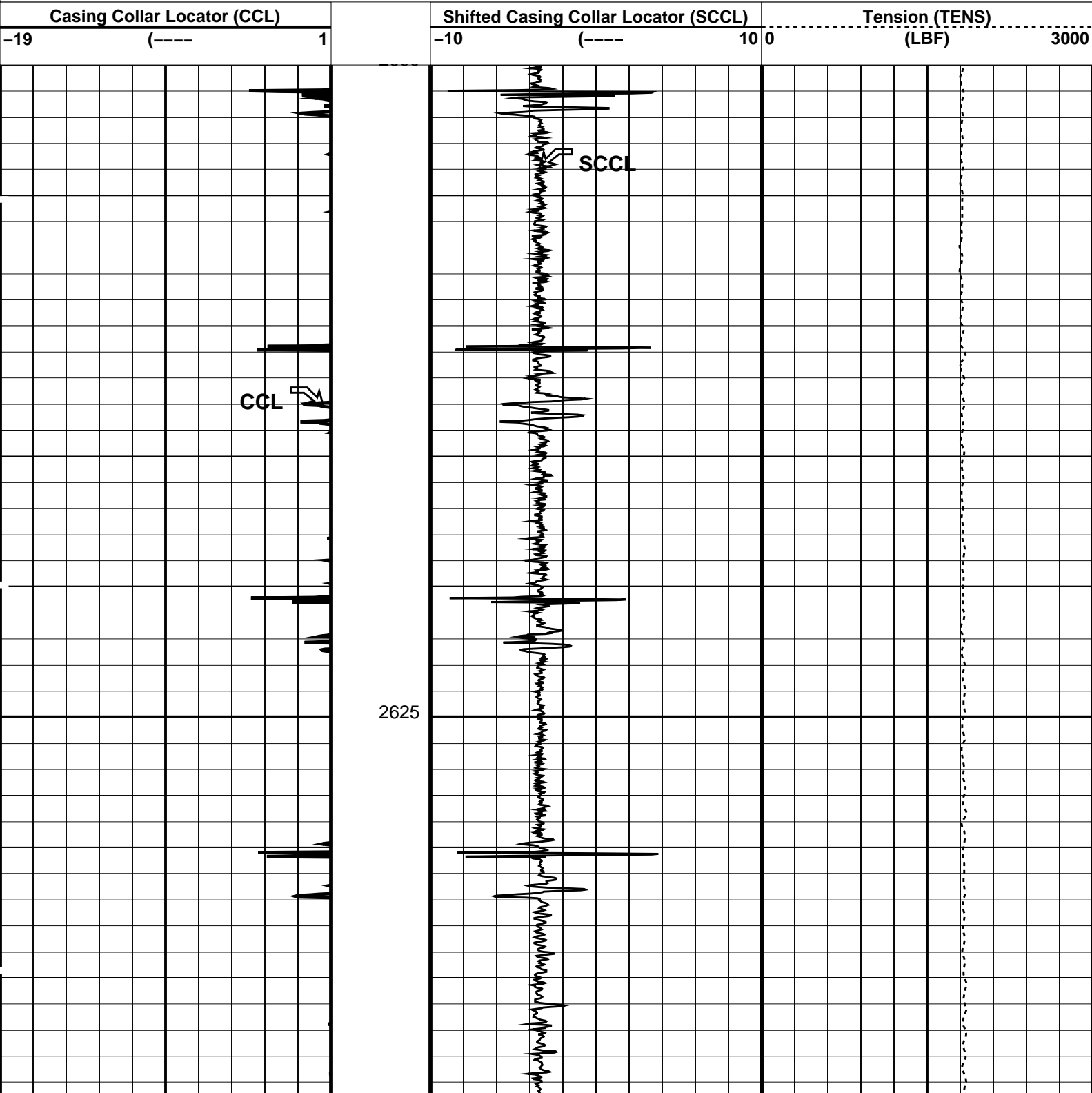
MAXIS Field Log

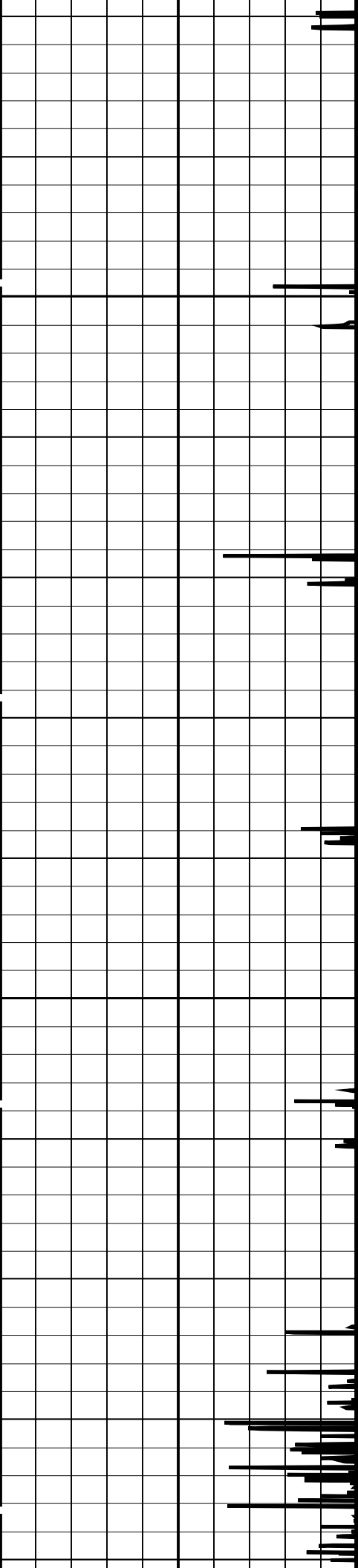
Input DLIS Files					
DEFAULT	MPBT_023LUP	FN:22	PRODUCER	11-Apr-2006 09:22	2729.9 M 2597.8 M
Output DLIS Files					
DEFAULT	MPBT_026PUP	FN:25	PRODUCER	11-Apr-2006 09:34	2731.6 M 2599.9 M

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

PIP SUMMARY

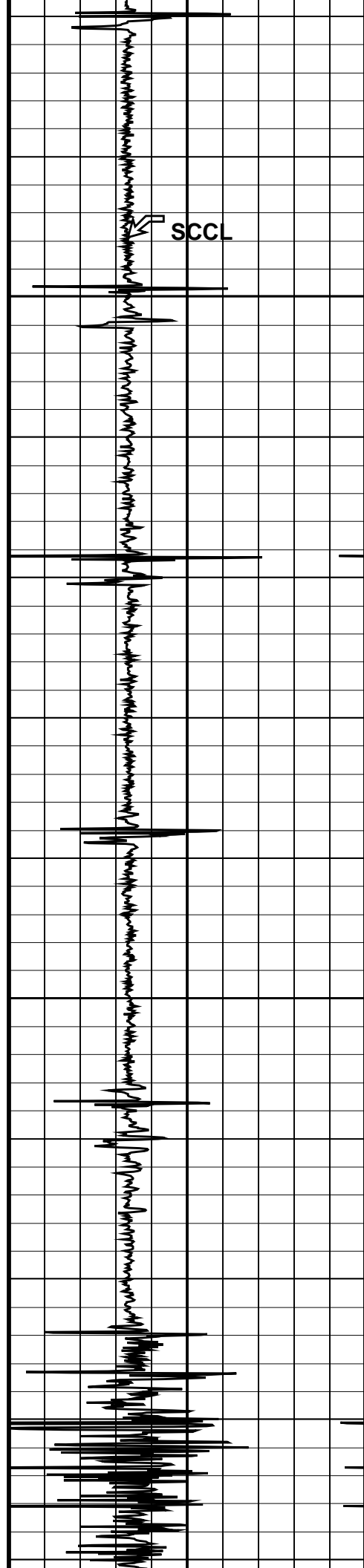
☒ Time Mark Every 60 S





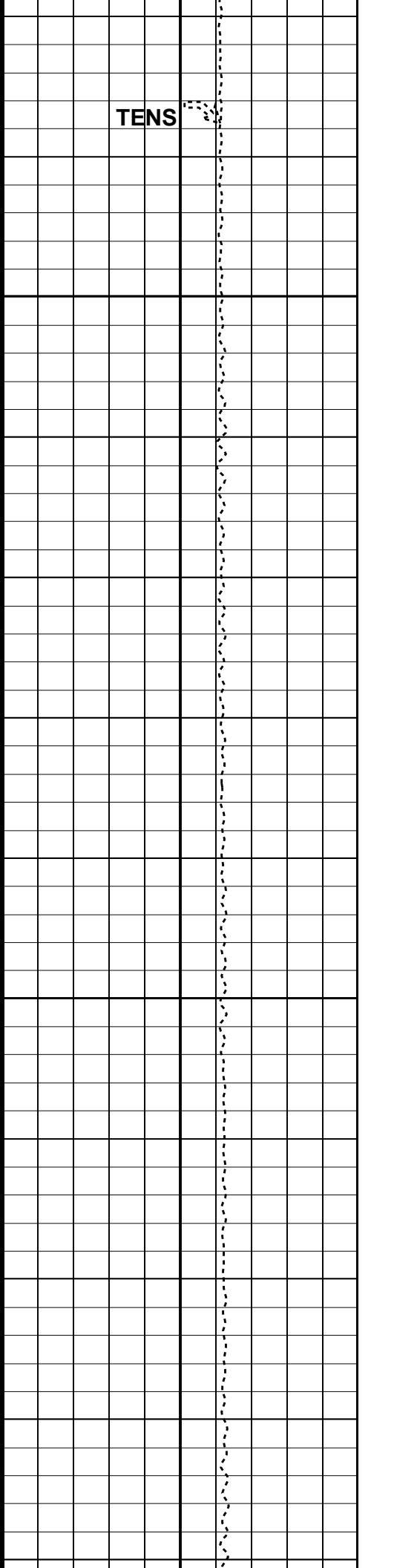
2650

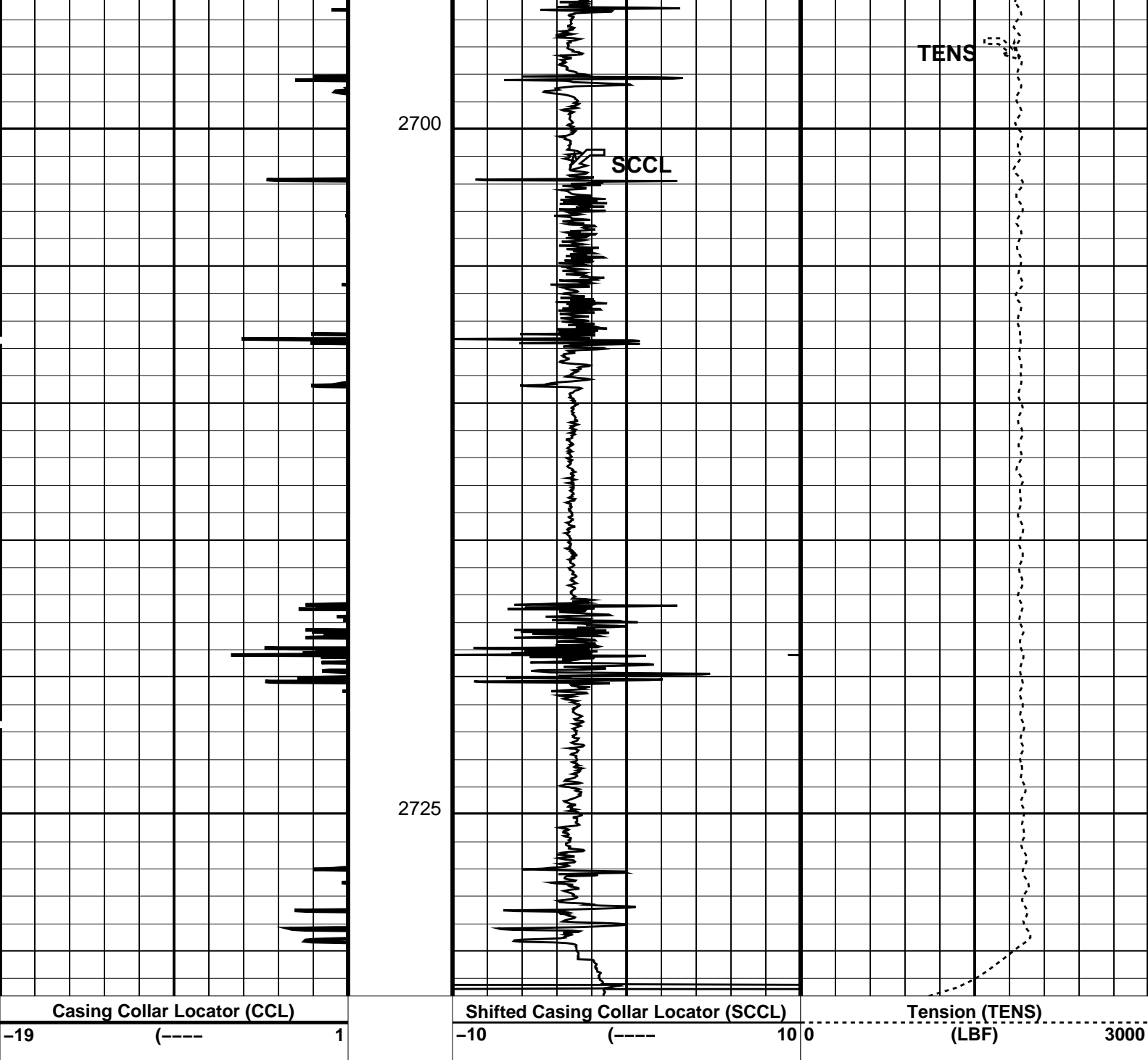
2675



SCCL

TENS





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.3 V
	CCL Detection Level	
	System and Miscellaneous	
DO	Depth Offset for Playback	1.7 M
PP	Playback Processing	NORMAL

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 11-Apr-2006 09:34

OP System Version: 14C0-302  
MCM

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

Input DLIS Files

Output DLIS Files

Schlumberger

Drift Run  
Correlation log

MAXIS Field Log

Company:

Well:

Input DLIS Files

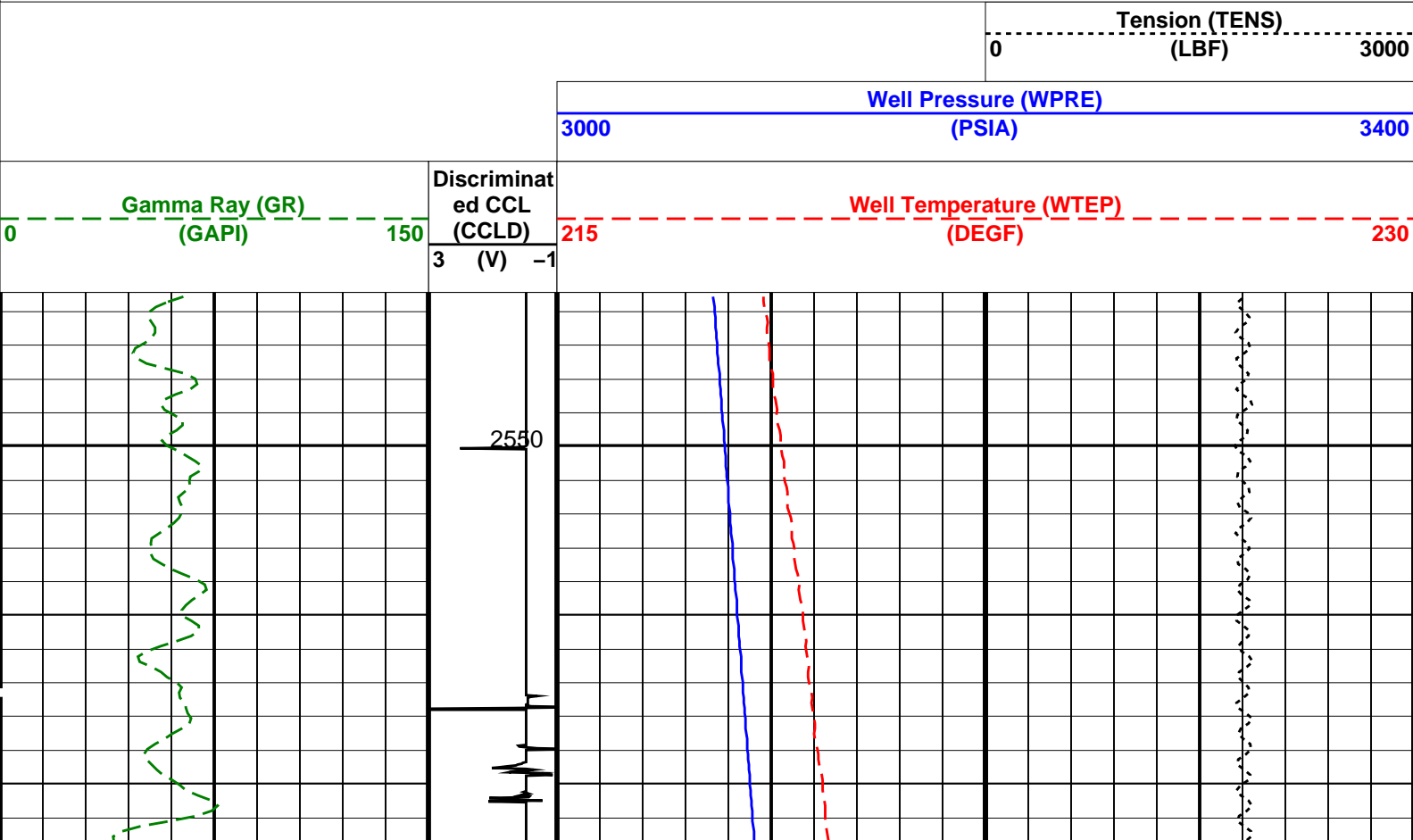
Output DLIS Files

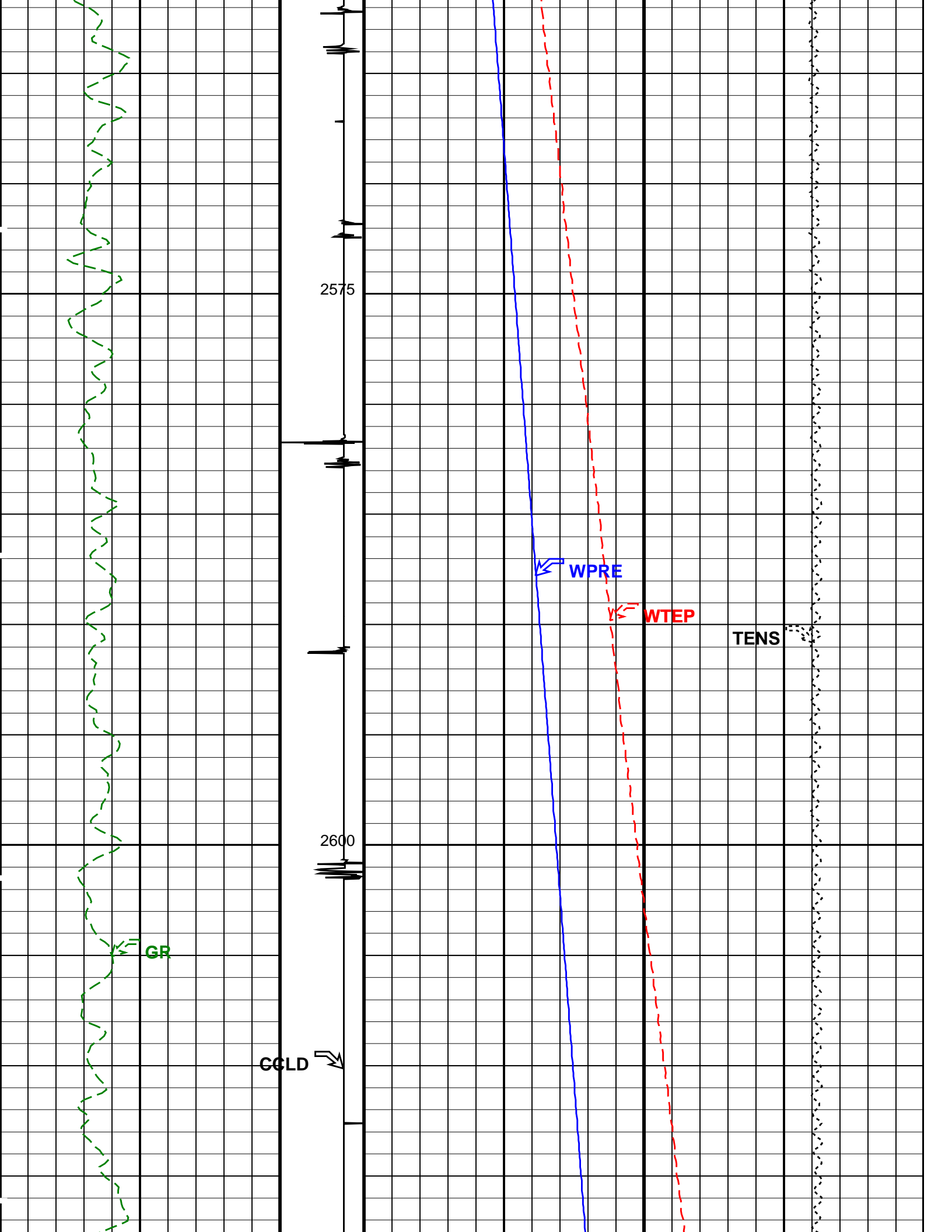
OP System Version: 14C0-302  
MCM

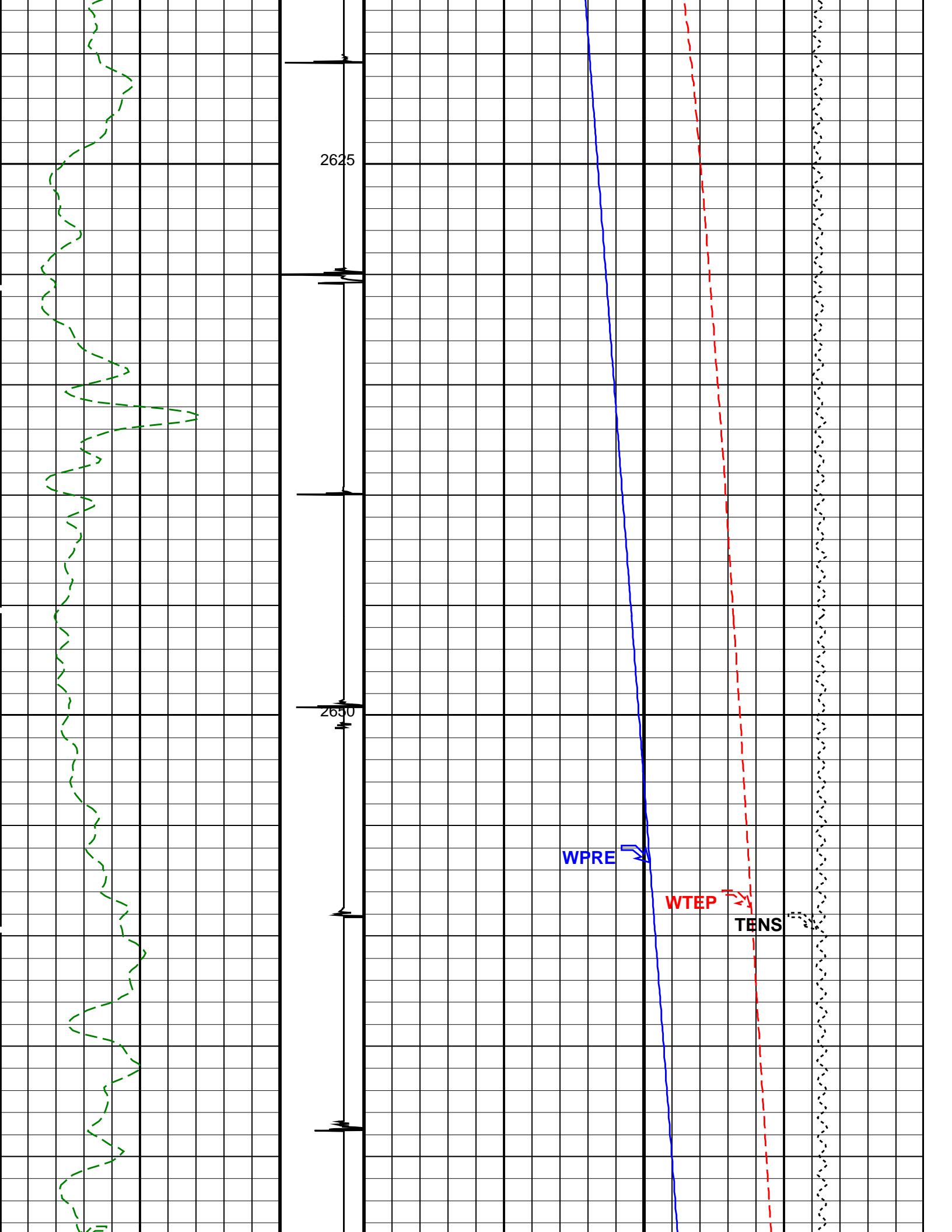
PSPT-A/Bunofficial

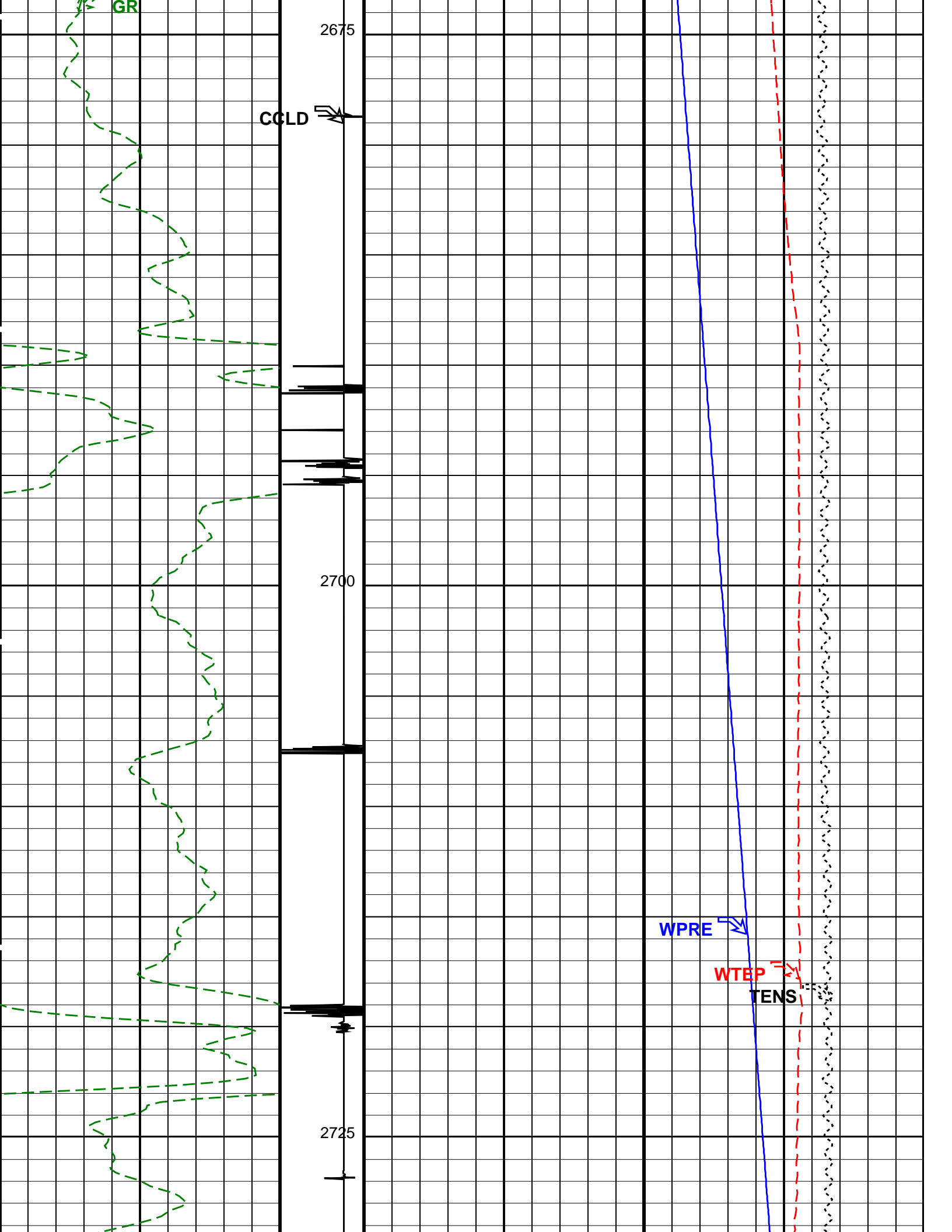
PIP SUMMARY

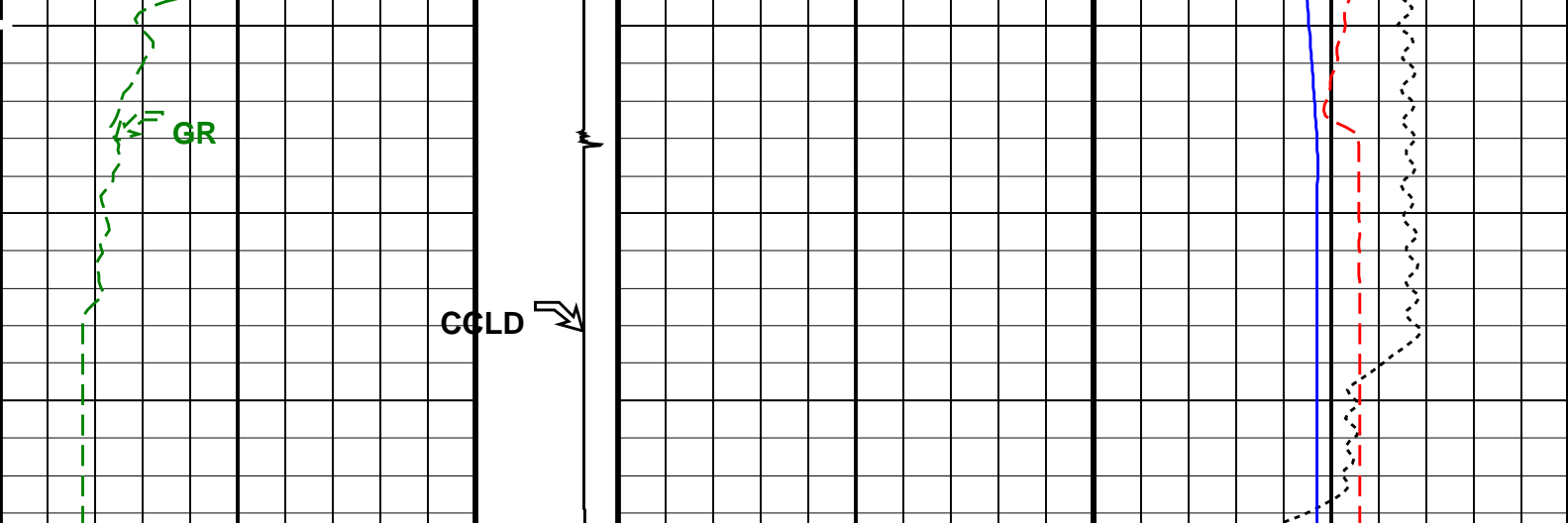
Time Mark Every 60 S











<b>Gamma Ray (GR)</b> <b>(GAPI)</b>		<b>Discriminat</b> <b>ed CCL</b> <b>(CCLD)</b>	<b>Well Temperature (WTEP)</b> <b>(DEGF)</b>	
0	150	3 (V) -1	215	230
			<b>Well Pressure (WPRE)</b> <b>(PSIA)</b>	
			3000	3400
			<b>Tension (TENS)</b> <b>(LBF)</b>	
			0	3000

#### PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200

Graphics File Created: 17-Apr-2006 11:28

**OP System Version: 14C0-302**  
MCM

PSPT-A/B unofficial

#### Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	0.0 M
PP	Depth Offset for Playback Playback Processing	NORMAL

#### Input DLIS Files

DEFAULT	PSP_016LUP	FN:15	PRODUCER	17-Apr-2006 11:23	2743.4 M	2544.9 M
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#### Output DLIS Files

DEFAULT	PSP_043PUP	FN:1	PRODUCER	17-Apr-2006 11:28
CUSTOMER	PSP_043PUC	FN:2	CUSTOMER	17-Apr-2006 11:28

Company: **Esso Australia Ltd.**

**Schlumberger**

Well: **HLA\_A20**

Field: **Halibut**

Rig: **Prod4/Crane**

Country: **Australia**

MPBT-Dump Bailer

10-April-2006

Maxis Express System