Schlumberger

Company: **Esso Australia Pty Ltd**

Well: **TNA A22**
Field: **Prod 4 / Crane**
Rig: **Tuna** Country: **Australia**

Rig: Tuna
Field: Prod 4 / Crane
Location: Gippsland
Well: TNA A22
Company: Esso Australia Pty Ltd

2−1/8" EnerJet with MWPT
7−5/8" MPBT Plug setting Record
01−01−2010

LOCATION

Gippsland	Elev.:	K.B.	38.90 m
Basin		G.L.	−59.00 m
Bass Strait		D.F.	38.90 m

Permanent Datum:	Mean Sea Level	Elev.:	38.90 m
Log Measured From:	Drill floor	0.00 m	above Perm. Datum
Drilling Measured From:	Drill floor		

State:	Max. Well Deviation	Longitude	Latitude
Victoria	19.3 deg	148*25' 05.59"E	38*10'16.00"S

Logging Date		1−Jan−2010					
Run Number		1					
Depth Driller		2162 m					
Schlumberger Depth		2094 m					
Bottom Log Interval		2073 m					
Top Log Interval		2065.5 m					
Casing Fluid Type		Production fluids					
Salinity							
Density							
Fluid Level							
BIT/CASING/TUBING STRING							
Bit Size		9.875 in					
From		675 m					
To		2162 m					
Casing/Tubing Size		7.625 in					
Weight		29.7 lbm/ft					
Grade		L−80					
From		21 m					
To		2156.1 m					
Maximum Recorded Temperatures		215 degF					
Logger On Bottom	Time	1−Jan−2010		8:30			
Unit Number	Location	889	AUSL				
Recorded By		Owen Darby					
Witnessed By		Barrie White					

		Run 1	Run 2	R
PVT DATA	Oil Density			
	Water Salinity			
	Gas Gravity			
	Bo			
	Bw			
	1/Bg			
	Bubble Point Pressure			
	Bubble Point Temperature			
	Solution GOR			
	Maximum Deviation	19.3 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							

Run 3

Run 4

DEPTH SUMMARY LISTING

Date Created: 28−DEC−2009 15:43:52

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−EB	Type:	PSDS/OSDS	Type:	2−32ZT
Serial Number:	6373	Serial Number:		Serial Number:	208558
Calibration Date:	9−Oct−2009	Calibration Date:	23−11−2009	Length:	6085 M
Calibrator Serial Number:	30	Calibrator Serial Number:	854		
Calibration Cable Type:	2−32ZT	Number of Calibration Points:	10	Conveyance Method:	Wireline
Wheel Correction 1:	0	Calibration RMS:	231	Rig Type:	Offshore Fixed
Wheel Correction 2:	2	Calibration Peak Error:	310		

Depth Control Parameters

Log Sequence: Subsequent Trip To the Well

Reference Log Name:
Reference Log Run Number: Tuna A22
Reference Log Date:
Subsequent Trip Down Log Correction:

Depth Control Remarks

1. Correlated to ExxonMobil solar composite log provided by client
2. Used IDW as primary depth control
3. Used Z−Chart as secondary depth control
4.
5.
6.

DISCLAIMER
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OTHER SERVICES1	OTHER SERVICES2
OS1: RST C/O & SIGMA Mode	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1

Correlated to ExxonMobile solar composite log.
Objective # 1: Perforate well
Prepare 3.5m of 2−1/8" 6spf,45 deg phased enerjet gun with MWPT.
RIH correlate and place gun over interval 2069.5m − 2073m MDKB, attempt to
create a 300psi underbalance whilst maintaining guns at required depth perforate
interval flow well for 15mins after perforation for clean up. Shut in well, POOH

REMARKS: RUN NUMBER 2

Note: perforation shock damaged MWPT no data available after perforation.

Objective # 2:
Make up dummy MPBT plug with GR/CCL and RIH to ensure access to 2094m MDKB.
Prepare MPBT setting tool with 7 5/8" MPBT plug suitable for 29.7lbs casing, RIH
and set plug with top sealing element positioned @ 2079m MDKB.
Make up dump bailer toolstring RIH and dump fresh water then approximately 1.0m
of cement on top of the MPBT plug.
Note: MPBT plug became stuck while RIH inside SPM located @ 1871m − The Plug was
fished with slickline and pushed to bottom of the hole, another dummy plug run
conducted after fishing, another MPBT set on top of the fish.

RUN 1			RUN 2		
SERVICE ORDER #:		B69I−00022	SERVICE ORDER #:		
PROGRAM VERSION:		17C0−154	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

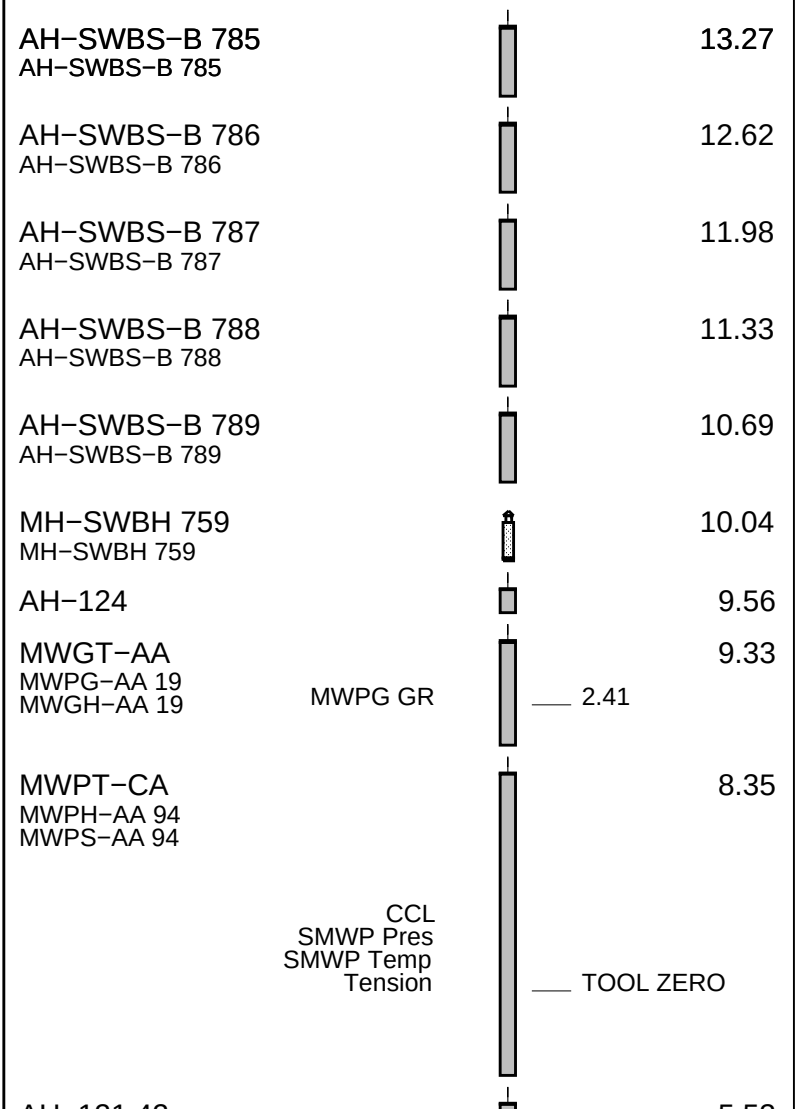
EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

MWPM−AA

DOWNHOLE EQUIPMENT

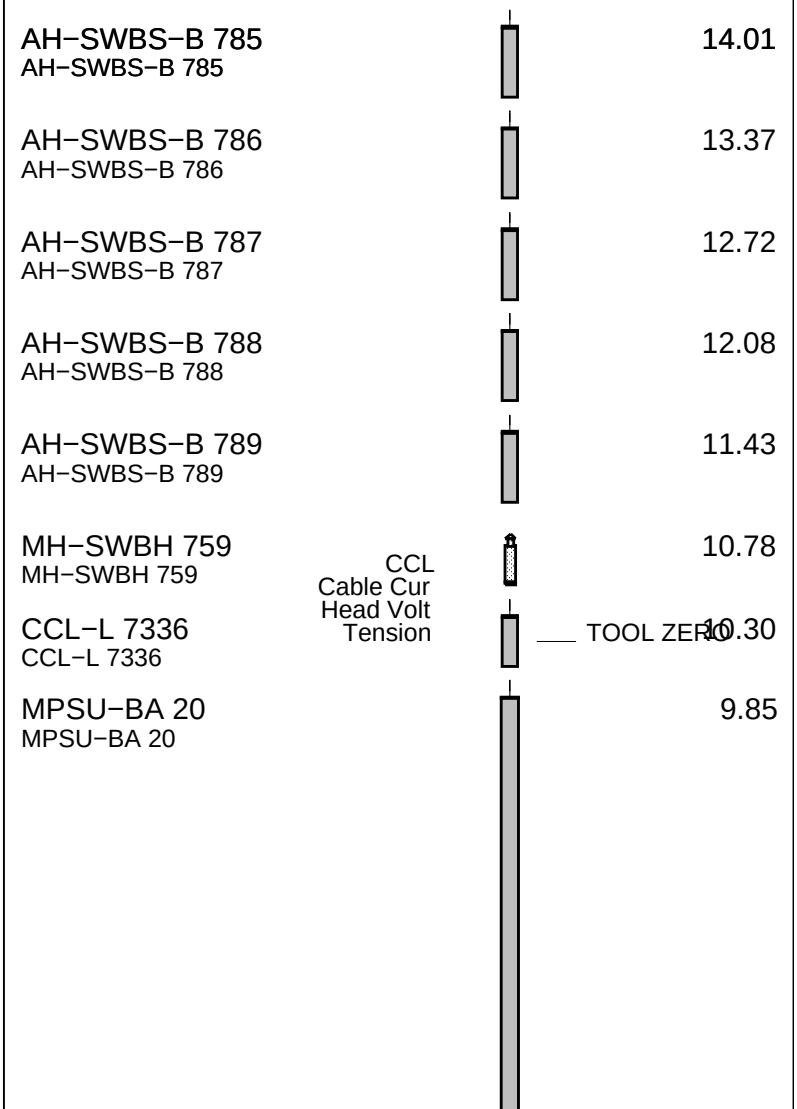


RUN 2

SURFACE EQUIPMENT

WITM (SHM)

DOWNHOLE EQUIPMENT



AH−121 42
AH−121 42 — 5.53

SAH−G 1047
SAH−G 1047 — 5.00

MPD−MB 336
MPD−MB 336 — 4.47

AH−ESIC 4007393
AH−ESIC 4007393 — 3.93

MWP_GUN
GUN — 3.50

TOOL BOTTOM

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

MPEX−7−5/8" MPBT plug
MPEX−7−5/8" MPBT plug — 3.61

TOOL BOTTOM

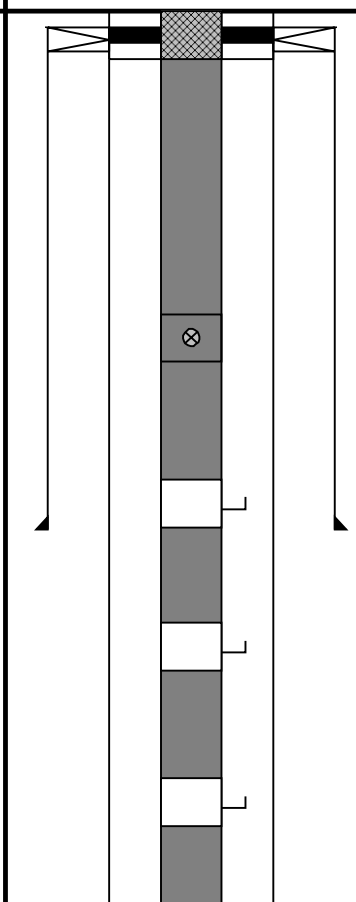
MAXIMUM STRING DIAMETER 2.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client:	Esso Australia Pty Ltd	Drawing Date:	12/30/2009
Well:	TNA A22	API #:	
Field:	Bass Strait	Rig Name:	Tuna
State:	Victoria	Reference Datum:	Mean Sea Level
Country:	Australia	Elevation:	38.9 m

Production String

	OD (in)	ID (in)	MD (m)
Tubing Hanger	7.625	2.875	20.0
Tubing	2.875		20.5
SSSV	2.875		443.0
Gas Lift Mandrel	2.875		936.5
Gas Lift Mandrel	2.875		1534.4
Gas Lift Mandrel	2.875		1871.4

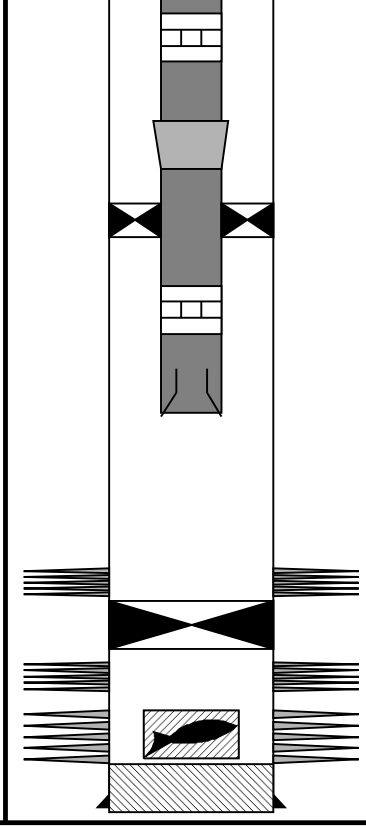
Well Schematic



Casing String

	MD (m)	OD (in)	ID (in)
Casing String	21.0	7.625	
Liner Hanger	21.0	7.625	13.375
		13.375	
Casing Shoe	658.0	13.375	

Nipple	2.875		1886.9				
Crossover Joint	3.500	2.875	1958.9				
Packer	7.625	2.875	1960.4				
Nipple	2.875		1980.7				
Wireline re−entry guide	2.875		1982.9				
					2090.0		Perforation Zone
Bridge Plug	7.625	0.000	2096.0				
					2101.5		Perforation Zone
Perforating Assy			2110.0		2110.0		Perforation Zone
					2129.0		PBTD
					2156.0	7.625	Casing Shoe



Schlumberger

Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Simulated Log OP checking MWPT	1-Jan-2010 15:02	000:01		PERFO_056LUP
Log Pass (up) MWPT - Correlation pass	1-Jan-2010 16:14	000:07	2080.4 - 2014.9	PERFO_064LUP
Log Pass (up) MWPT - Shooting pass	1-Jan-2010 16:26	000:23	2075.1 - 2063.6	PERFO_065LUP
Station Log MWPT - Station log	1-Jan-2010 16:32	000:15	2066.1	PERFO_066LTP
Simulated Log OP checking Dummy plug toolstring	2-Jan-2010 7:44	000:18		PSP_082LUP
Log Pass (up) Dummy plug - Correlation pass # 1	2-Jan-2010 8:31	000:10	2091.2 - 1901.8	PSP_085LUP
Simulated Log OP checking MPBT toolstring	3-Jan-2010 9:14	000:28		MPBT_104LUP

```
Log Pass (down)                 3-Jan-2010 11:10  000:08   1970.1 -  2071.0    MPBT_110LDP
    MPBT - Correlation pass
Simulated Log                   3-Jan-2010 11:27  000:46                       MPBT_111LUP
    MPBT - setting record
Simulated Log                   3-Jan-2010 13:34  000:22                       PERFO_114LUP
    OP checking dump bailer toolstring
Log Pass (up)                   3-Jan-2010 14:52  000:06   2069.1 -  1975.1    PERFO_117LUP
    Dump bailer - water dumping record
Log Pass (up)                   3-Jan-2010 16:26  000:06   2067.0 -  1971.3    PERFO_121LUP
    Dump bailer - Cement dumping record
```

Schlumberger

2−1/8" Dump Bailer Cement Dump

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
GUN1	Used	2065.3	2065.3	Sun Jan 03 16:28:44 201

Input DLIS Files

DEFAULT	PERFO_121LUP	FN:120	PRODUCER	03−Jan−2010 16:26	2067.0 M	1971.3 M

Output DLIS Files

DEFAULT	PERFO_123PUP	FN:122	PRODUCER	03−Jan−2010 16:34	2068.4 M	1972.7 M

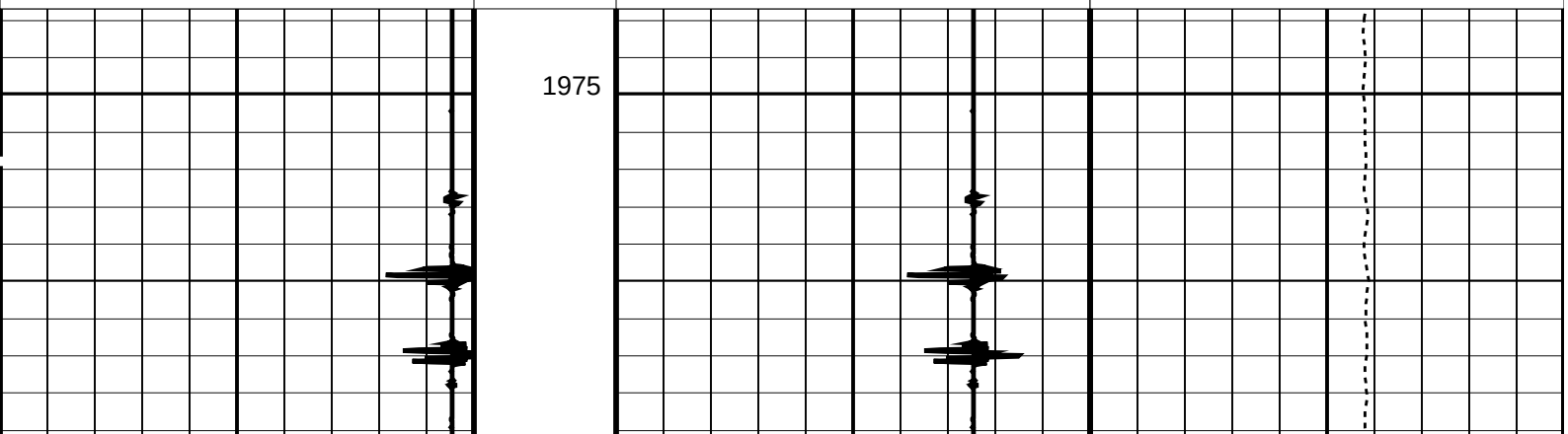
OP System Version: 17C0−154

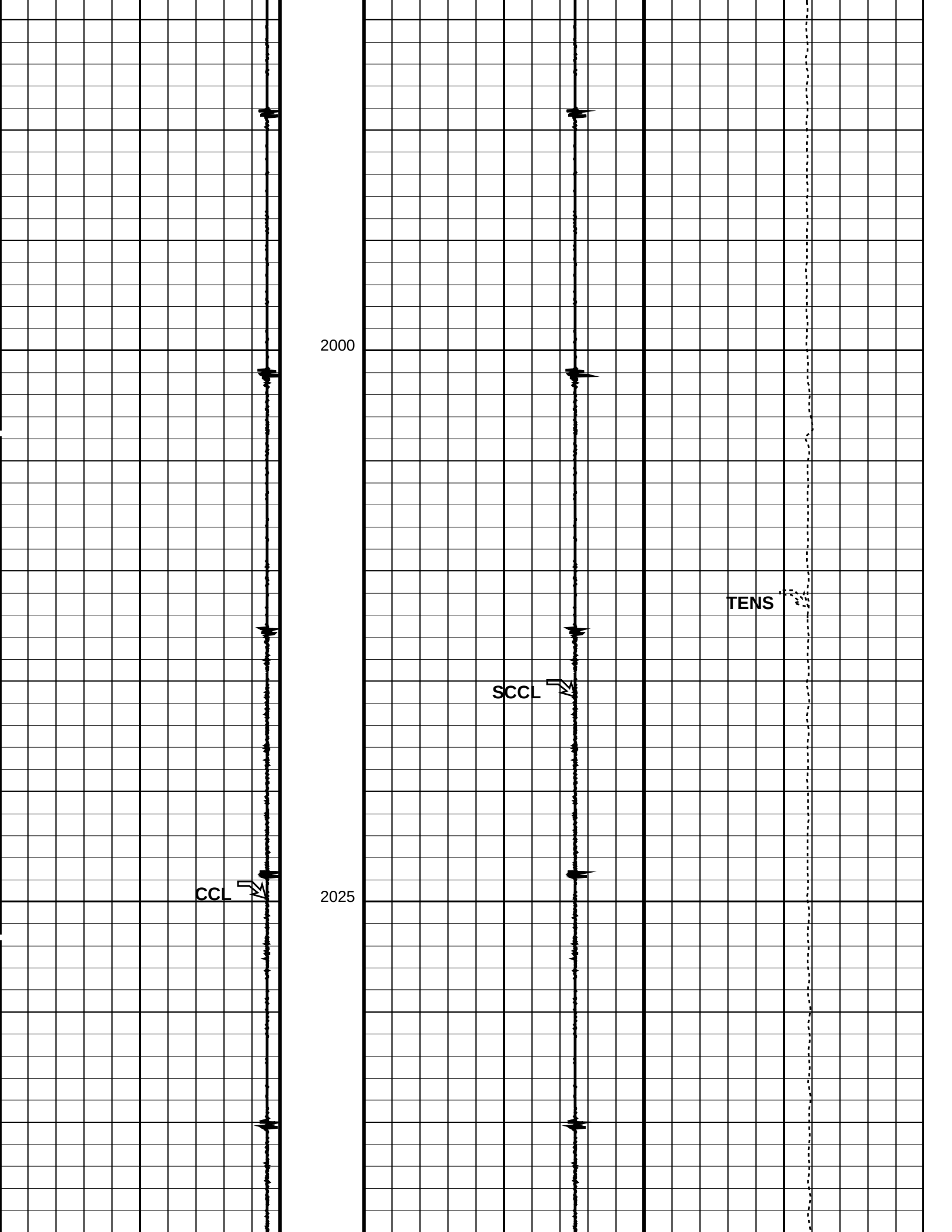
SHM_GUN	17C0−154	CCL−L	17C0−154

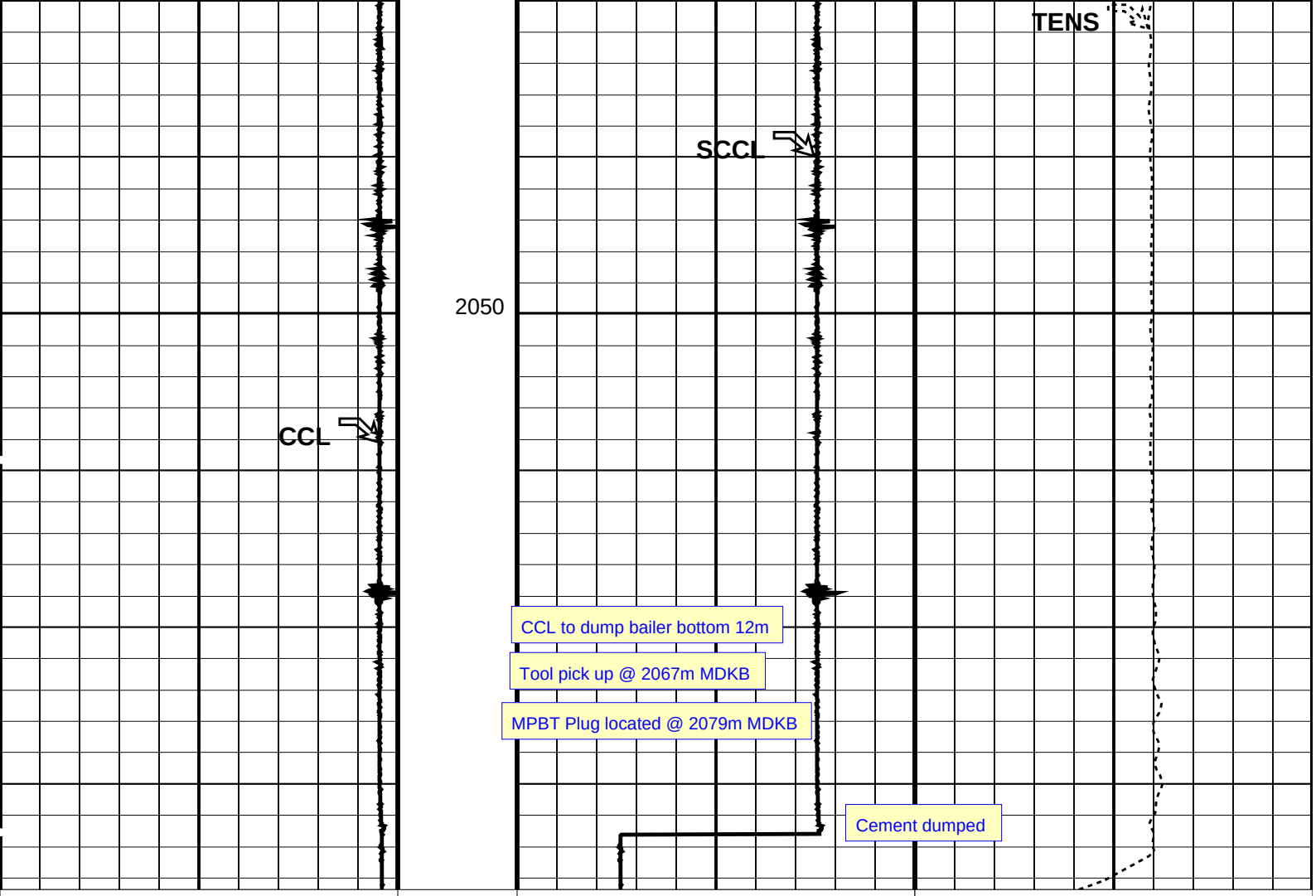
PIP SUMMARY

Time Mark Every 60 S

Casing Collar Locator (CCL)		Shifted Casing Collar Locator (SCCL)		Tension (TENS)
−19 (−−−− 1		−10 (−−−− 10		0 (LBF) 2500




2000
2025
TENS
SCCL
CCL



Casing Collar Locator (CCL)	Shifted Casing Collar Locator (SCCL)	Tension (TENS)
−19 (−−−− 1	−10 (−−−− 10	0 (LBF) 2500

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
	System and Miscellaneous		
DO	Depth Offset for Playback	1.3	M
PP	Playback Processing	NORMAL	

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 03−Jan−2010 16:34

OP System Version: 17C0−154

SHM_GUN	17C0−154	CCL−L	17C0−154

Input DLIS Files

DEFAULT	PERFO_121LUP	FN:120	PRODUCER	03−Jan−2010 16:26	2067.0 M	1971.3 M

Output DLIS Files

DEFAULT	PERFO_123PUP	FN:122	PRODUCER	03−Jan−2010 16:34

Schlumberger

2−1/8" Dump Bailer
Water Dump

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
GUN1	Used	2067.4	2067.4	Sun Jan 03 14:54:42 201

Input DLIS Files

DEFAULT	PERFO_117LUP	FN:116	PRODUCER	03−Jan−2010 14:52	2069.1 M	1975.1 M

Output DLIS Files

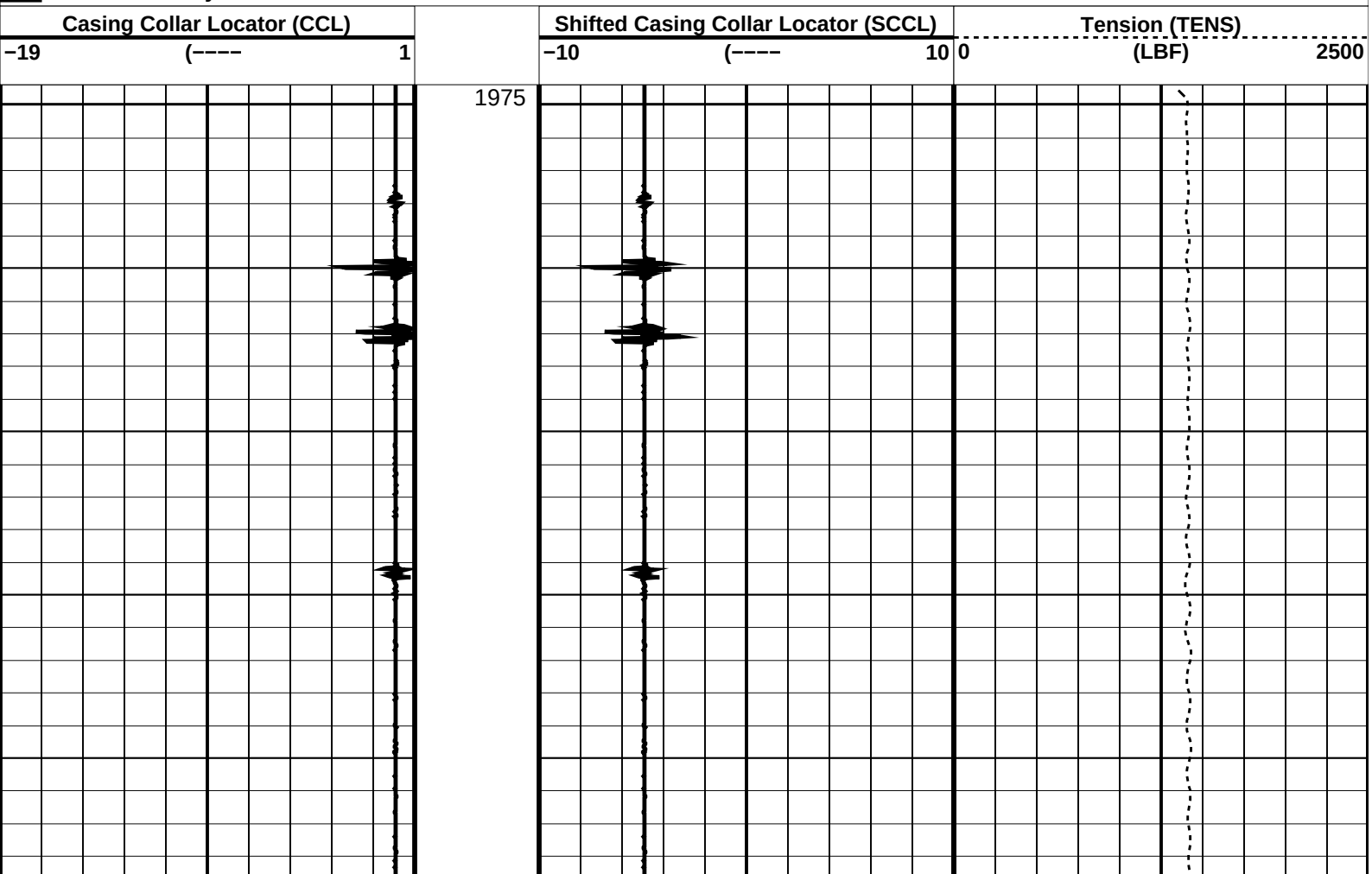
DEFAULT	PERFO_118PUP	FN:117	PRODUCER	03−Jan−2010 14:59	2068.4 M	1974.3 M

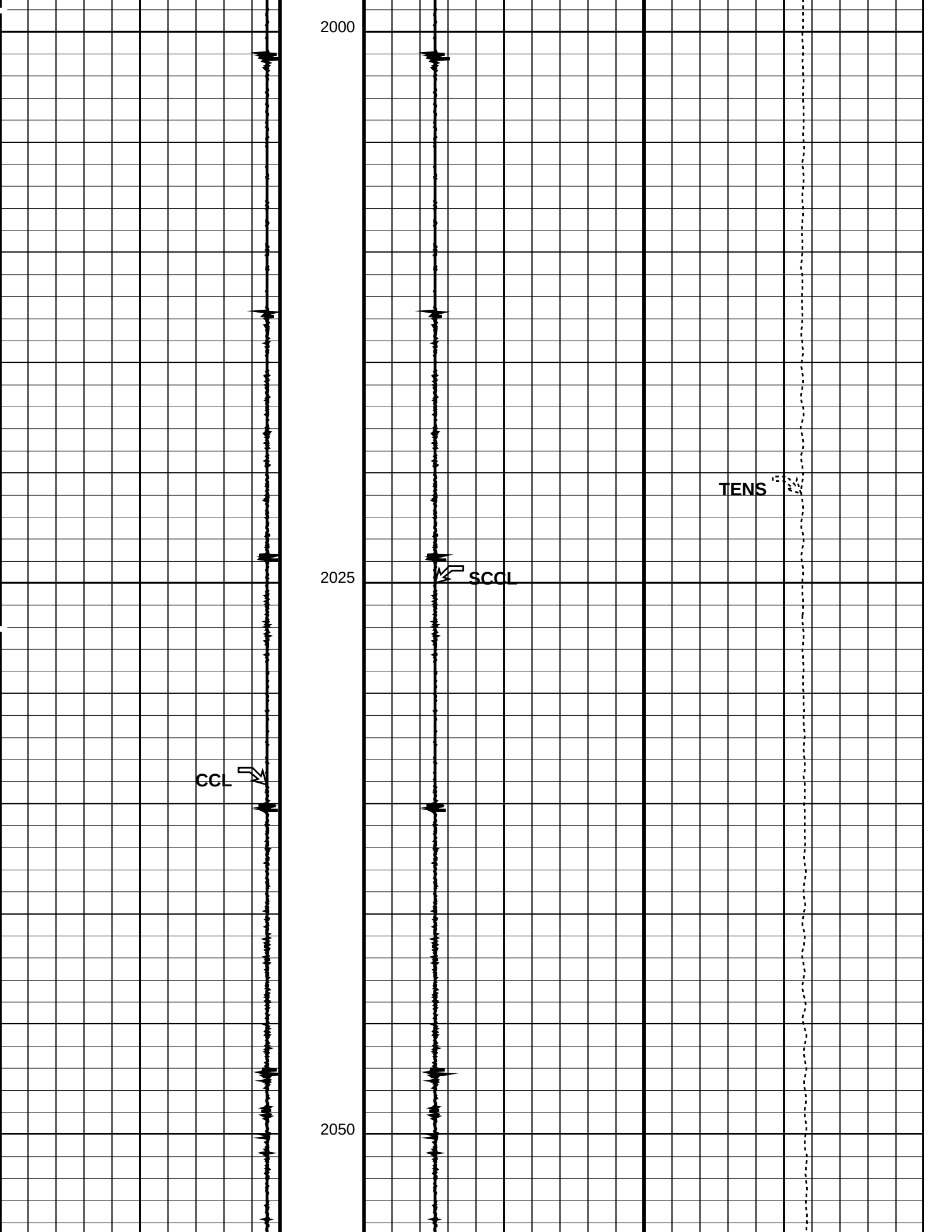
OP System Version: 17C0−154

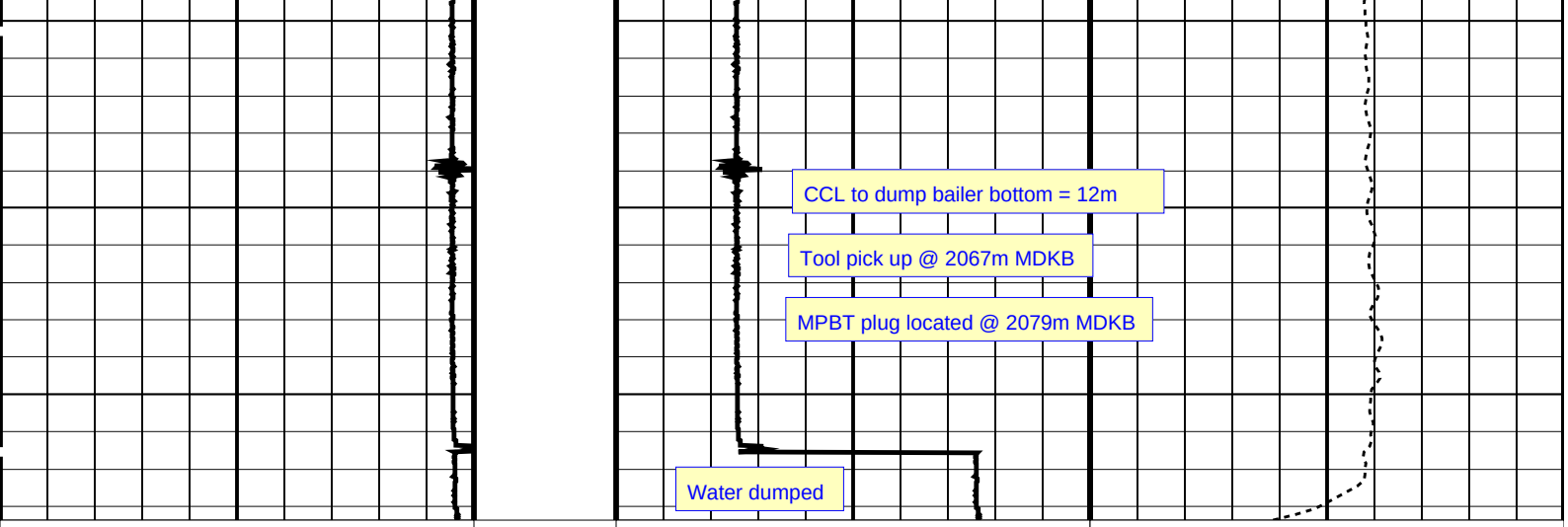
SHM_GUN	17C0−154	CCL−L	17C0−154

PIP SUMMARY

Time Mark Every 60 S




2000
TENS
2025
SCCL
CCL
2050



Casing Collar Locator (CCL)	Shifted Casing Collar Locator (SCCL)	Tension (TENS)
−19 (−−−− 1	−10 (−−−− 10	0 (LBF) 2500

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
	System and Miscellaneous		
DO	Depth Offset for Playback	−0.8	M
PP	Playback Processing	NORMAL	

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 03−Jan−2010 14:59

OP System Version: 17C0−154

SHM_GUN	17C0−154	CCL−L	17C0−154

Input DLIS Files

DEFAULT	PERFO_117LUP	FN:116	PRODUCER	03−Jan−2010 14:52	2069.1 M	1975.1 M

Output DLIS Files

DEFAULT	PERFO_118PUP	FN:117	PRODUCER	03−Jan−2010 14:59

Schlumberger

7−5/8" MPBT Posiset Plug Setting Record

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
MPEX	Used	2079.0	2079.0	Sun Jan 03 12:13:48 201

Output DLIS Files

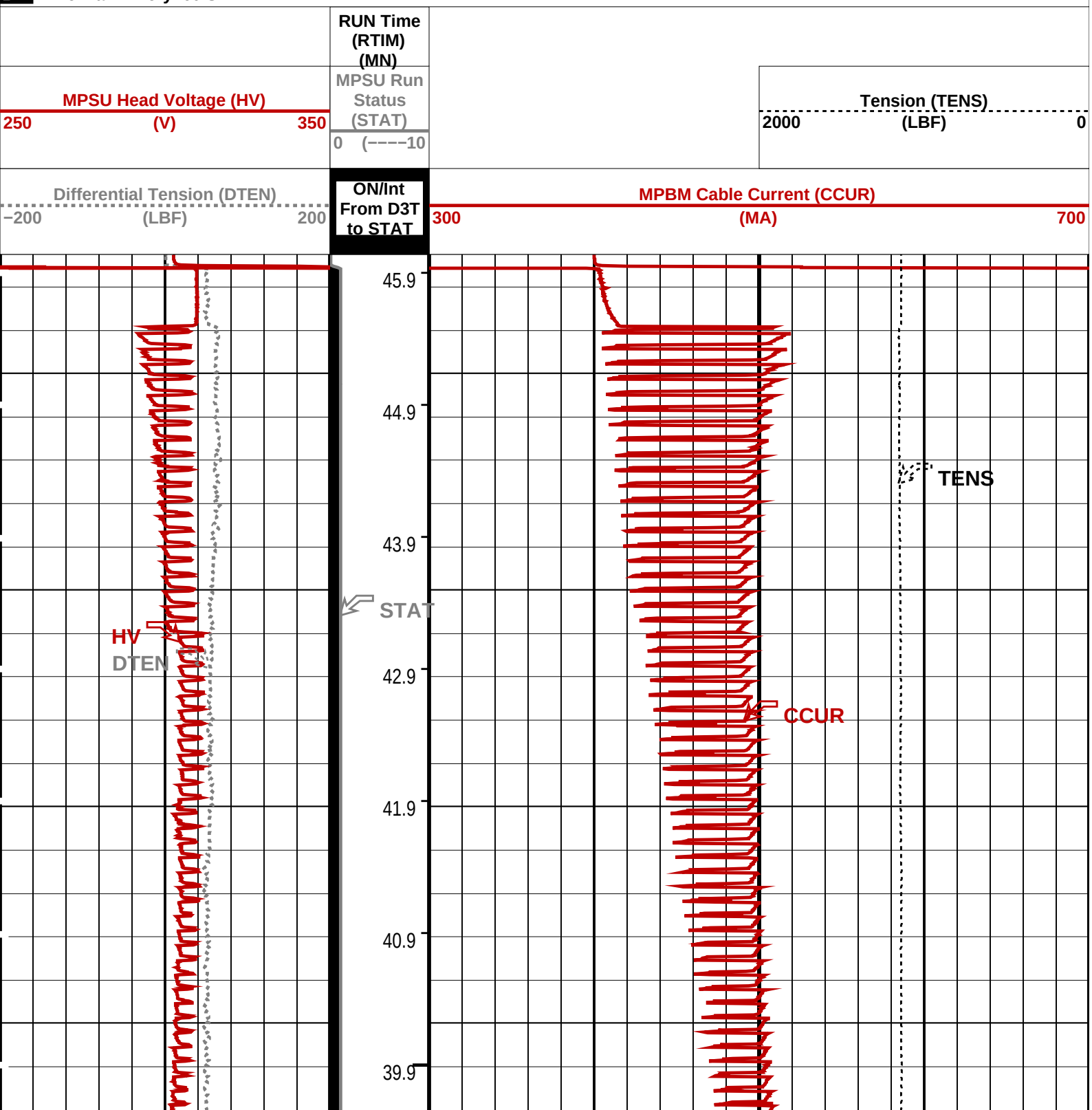
DEFAULT MPBT_111LUP FN:110 PRODUCER 03−Jan−2010 11:27

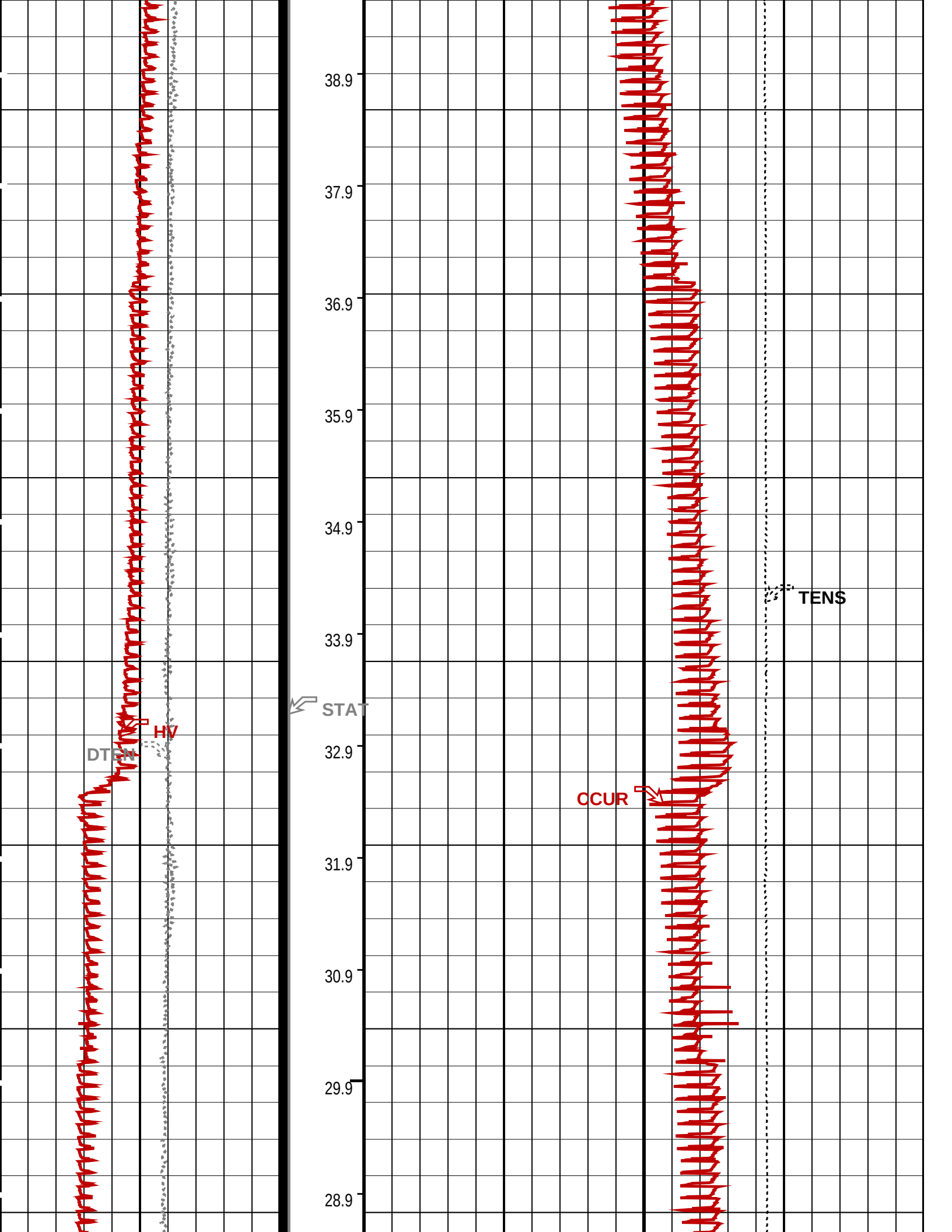
OP System Version: 17C0−154

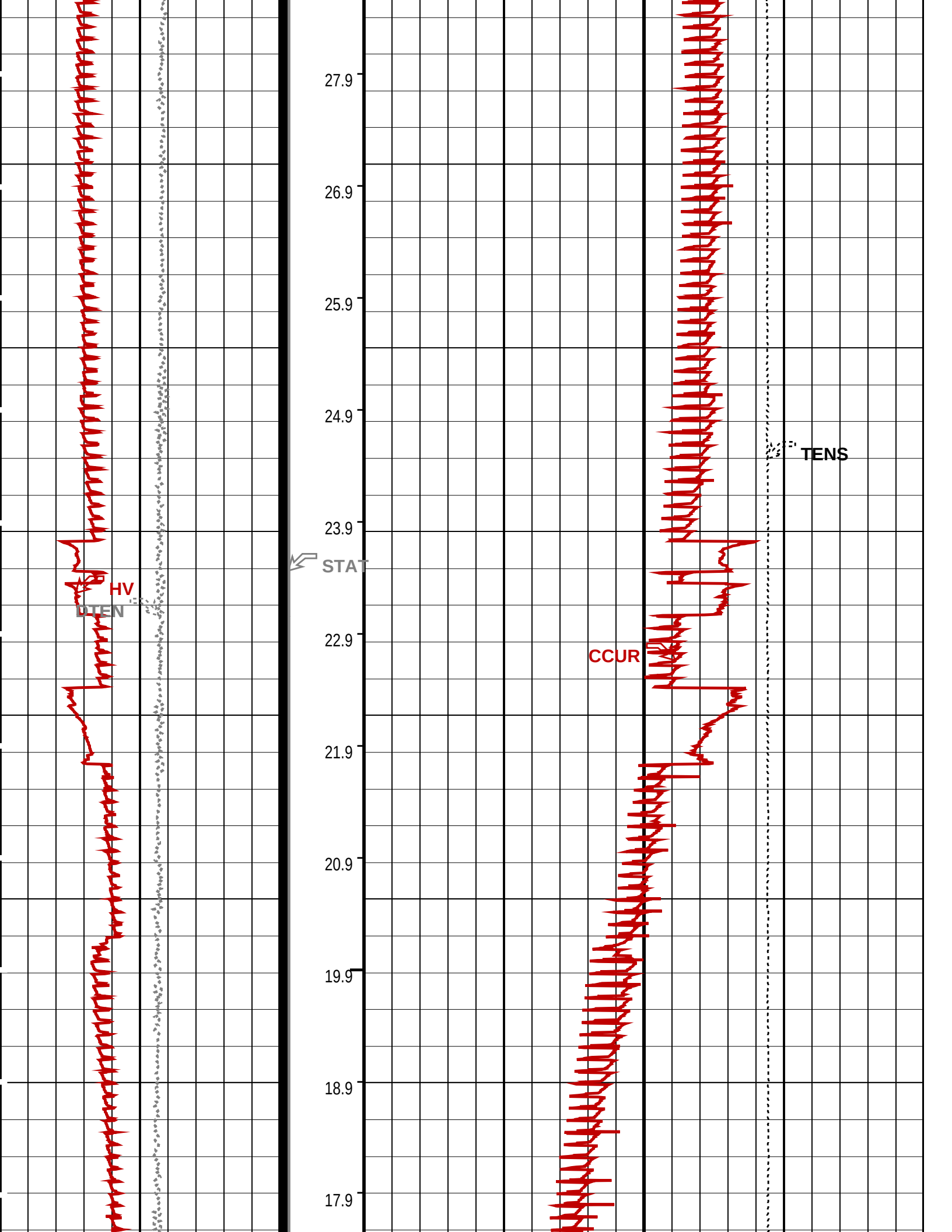
MPEX−BA	17C0−154	MPSU−BA	17C0−154
CCL−L	17C0−154		

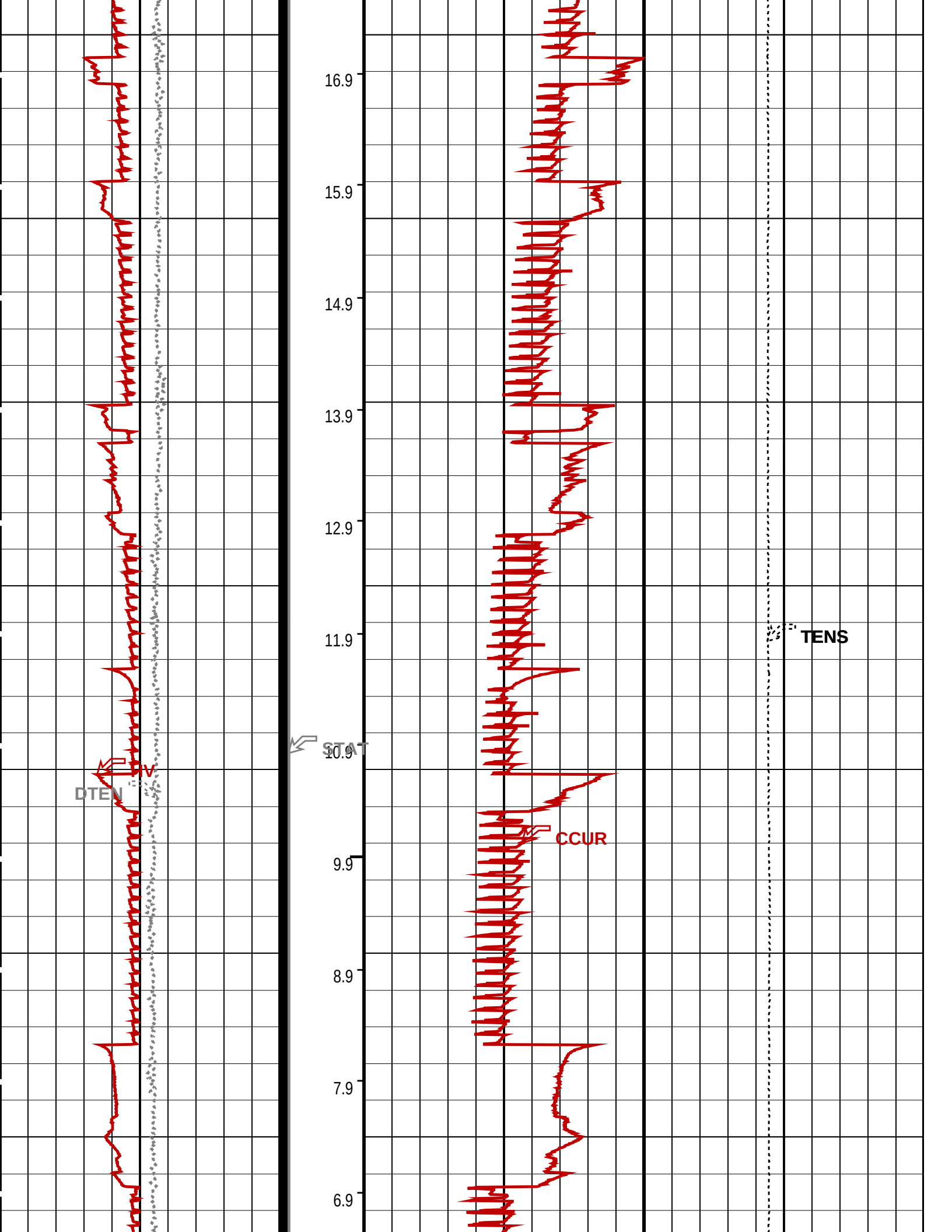
PIP SUMMARY

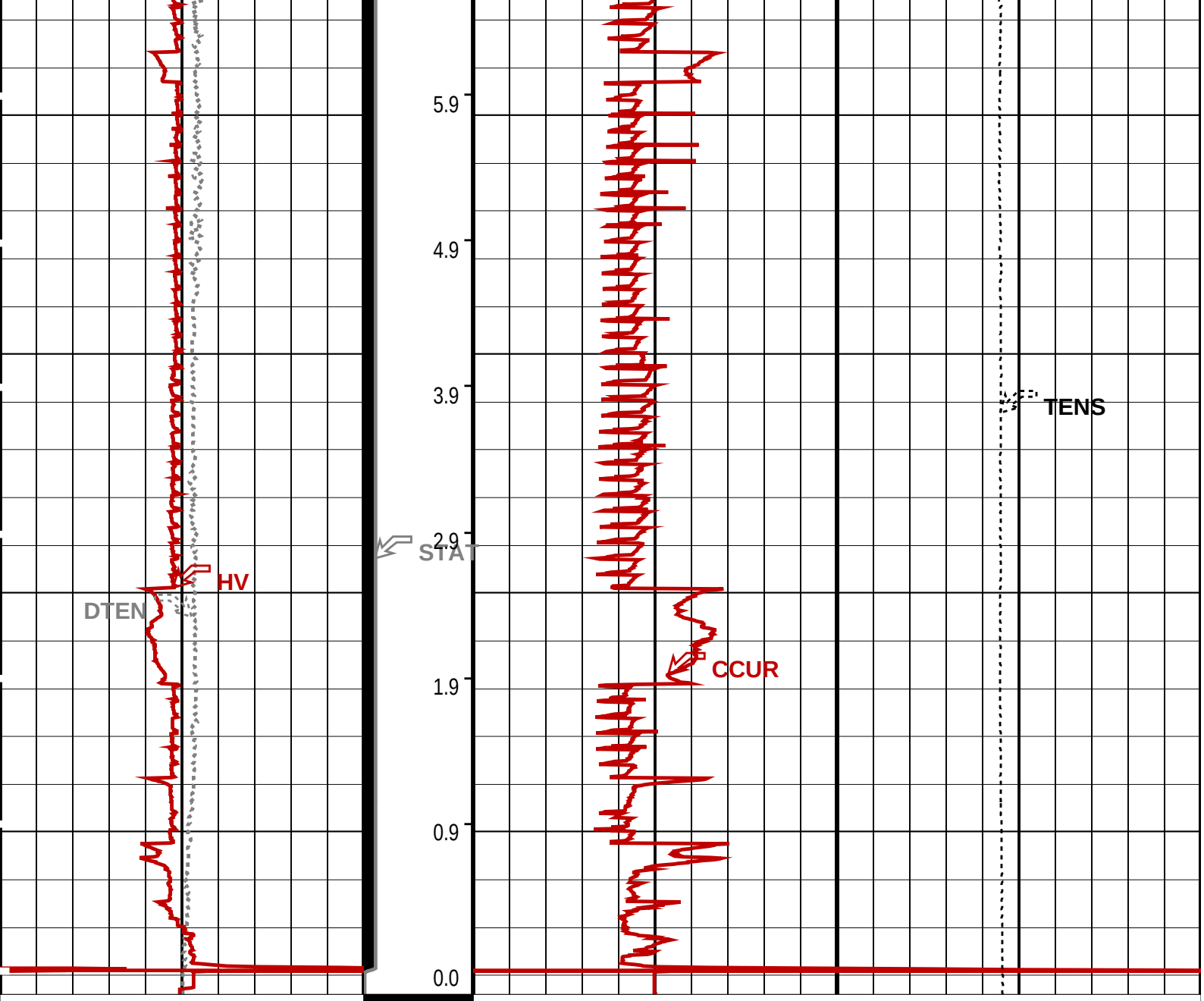
MPSU Run Time Every 1 MN
MPSU Run Time Every 10 MN
Time Mark Every 60 S




38.9
37.9
36.9
35.9
34.9
33.9
32.9
31.9
30.9
29.9
28.9
STAT
HV
DTEN
CCUR
TENS


27.9
26.9
25.9
24.9
23.9
22.9
21.9
20.9
19.9
18.9
17.9
HV
DTEN
STAT
CCUR
TENS


16.9
15.9
14.9
13.9
12.9
11.9
10.9
9.9
8.9
7.9
6.9
TENS
STAT
DTEN
CCUR



Differential Tension (DTEN)	ON/Int From D3T to STAT	MPBM Cable Current (CCUR)
−200 (LBF) 200		300 (MA) 700

MPSU Head Voltage (HV)	MPSU Run Status (STAT)	Tension (TENS)
250 (V) 350	0 (−−−−10	2000 (LBF) 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: 03−Jan−2010 11:27

OP System Version: 17C0−154

MPEX−BA	17C0−154	MPSU−BA	17C0−154
CCL−L	17C0−154		

Output DLIS Files

DEFAULT	MPBT_111LUP	FN:110	PRODUCER	03−Jan−2010 11:27

Schlumberger

7−5/8" MPBT Posiset Plug Correlation Pass

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_MPBT_129LUP	PRODUCER	03−Jan−2010 19:23	2071.0 M	1970.1 M

Output DLIS Files

DEFAULT	MPBT_131PUP	FN:128	PRODUCER	03−Jan−2010 19:32	2071.0 M	1970.1 M

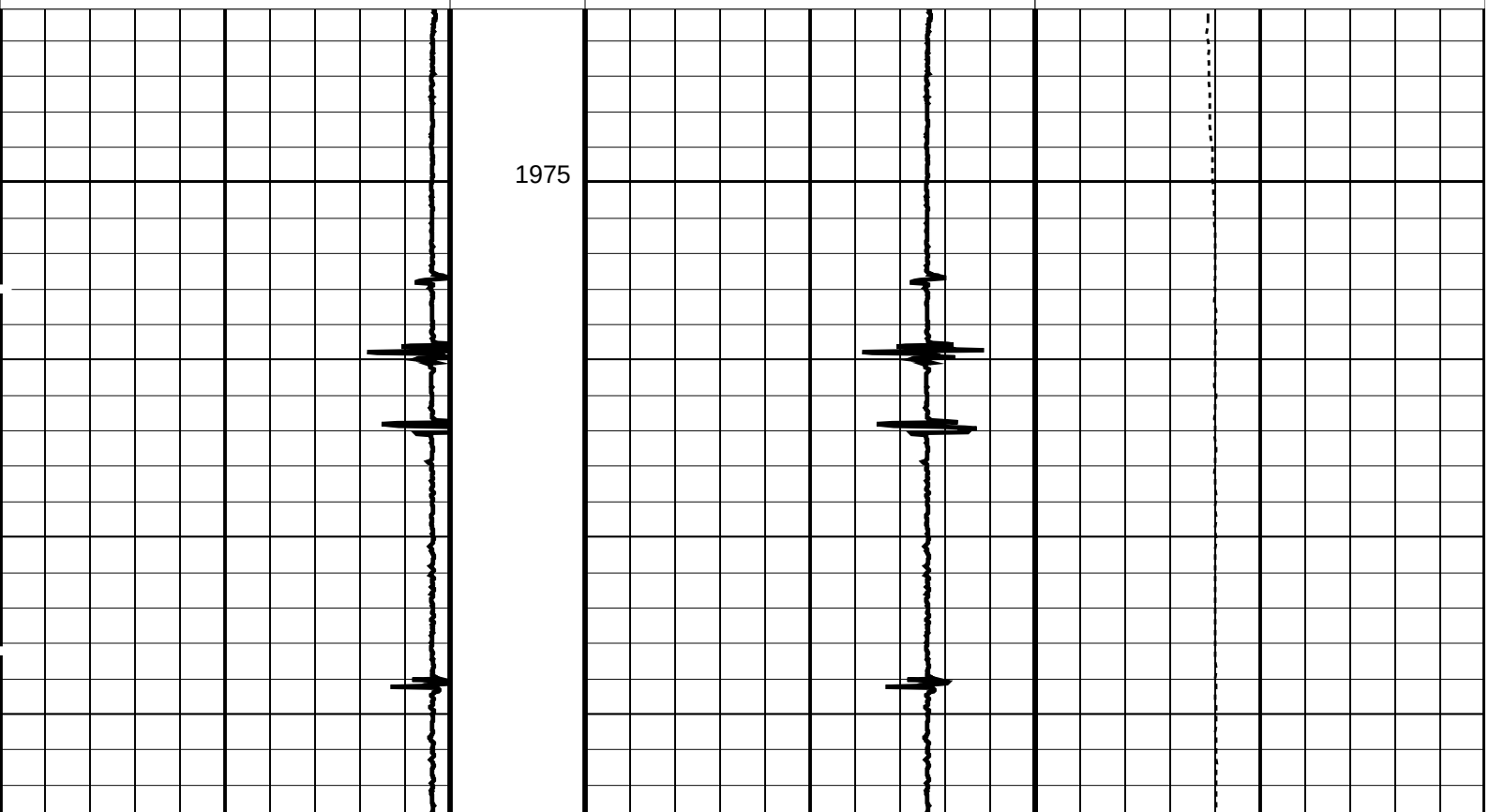
OP System Version: 17C0−154

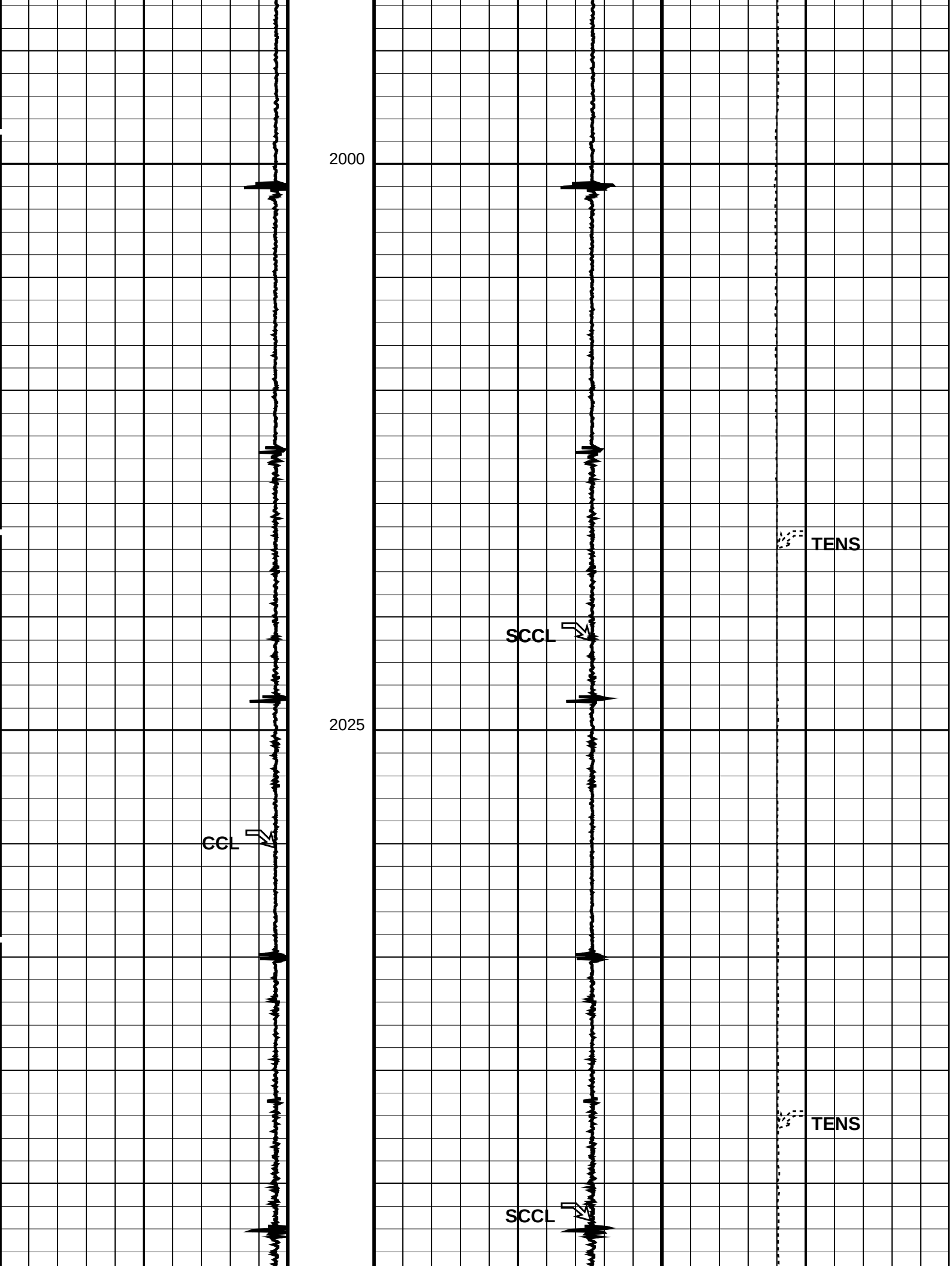
MPEX−BA	17C0−154	MPSU−BA	17C0−154
CCL−L	17C0−154		

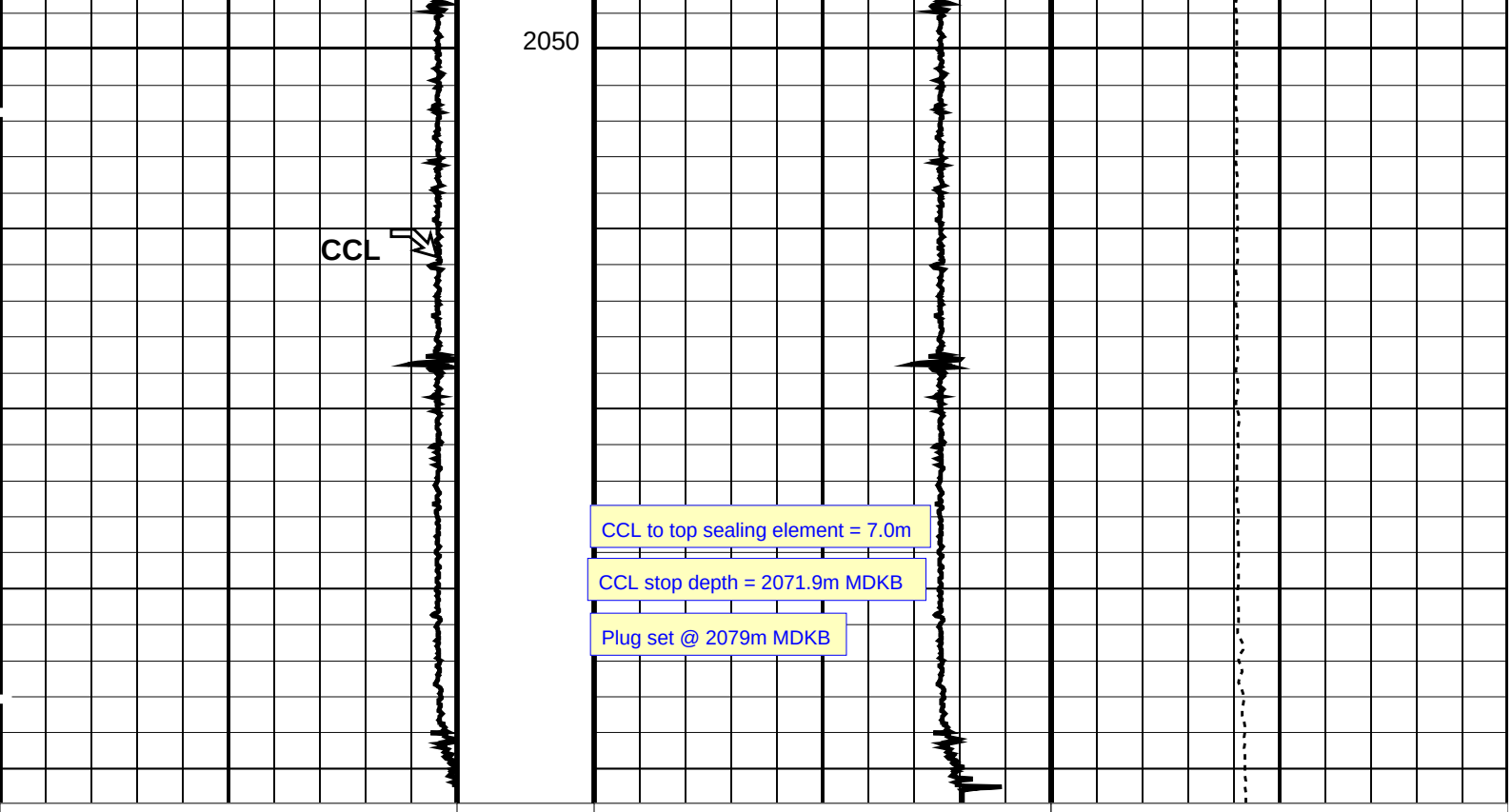
PIP SUMMARY

Time Mark Every 60 S

Casing Collar Locator (CCL)			Shifted Casing Collar Locator (SCCL)			Tension (TENS)		
−19	(−−−−	1	−10	(−−−−	10	0	(LBF)	2500




2000
TENS
SCCL
2025
CCL
TENS
SCCL



Casing Collar Locator (CCL)	Shifted Casing Collar Locator (SCCL)	Tension (TENS)
−19 (−−−− 1	−10 (−−−− 10	0 (LBF) 2500

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
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 03−Jan−2010 19:32

OP System Version: 17C0−154

MPEX−BA	17C0−154	MPSU−BA	17C0−154
CCL−L	17C0−154		

Input DLIS Files

DEFAULT	Flip_MPBT_129LUP	PRODUCER	03−Jan−2010 19:23	2071.0 M	1970.1 M

Output DLIS Files

DEFAULT	MPBT_131PUP	FN:128	PRODUCER	03−Jan−2010 19:32

Schlumberger

2−1/8" Dummy Plug Run 2
Correlation Pass

Input DLIS Files

DEFAULT	Flip_PSP_125LUP	PRODUCER	03−Jan−2010 17:16	2084.8 M	1924.5 M

Output DLIS Files

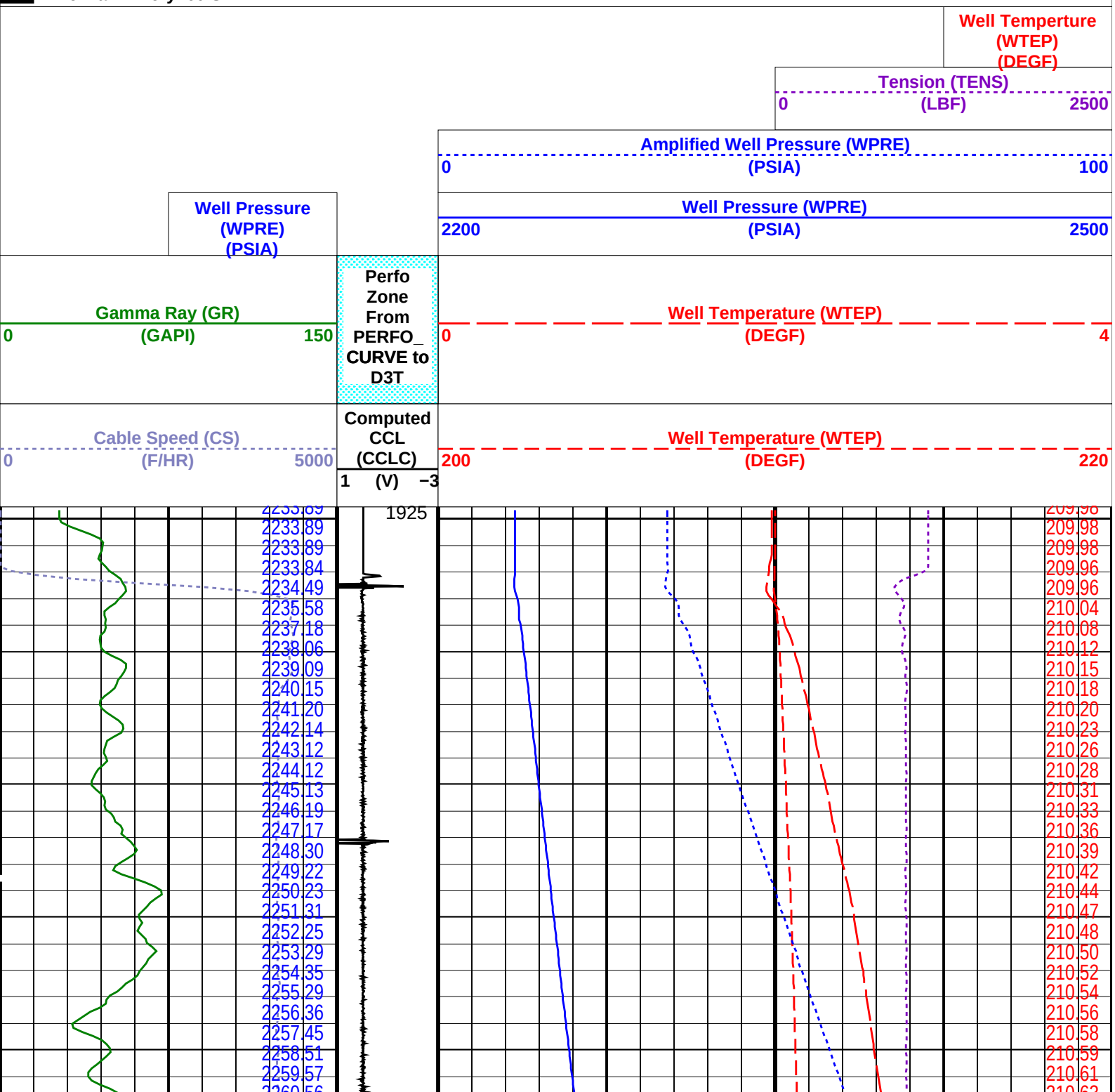
DEFAULT	PSP_128PUP	FN:126	PRODUCER	03−Jan−2010 19:18	2084.8 M	1924.5 M

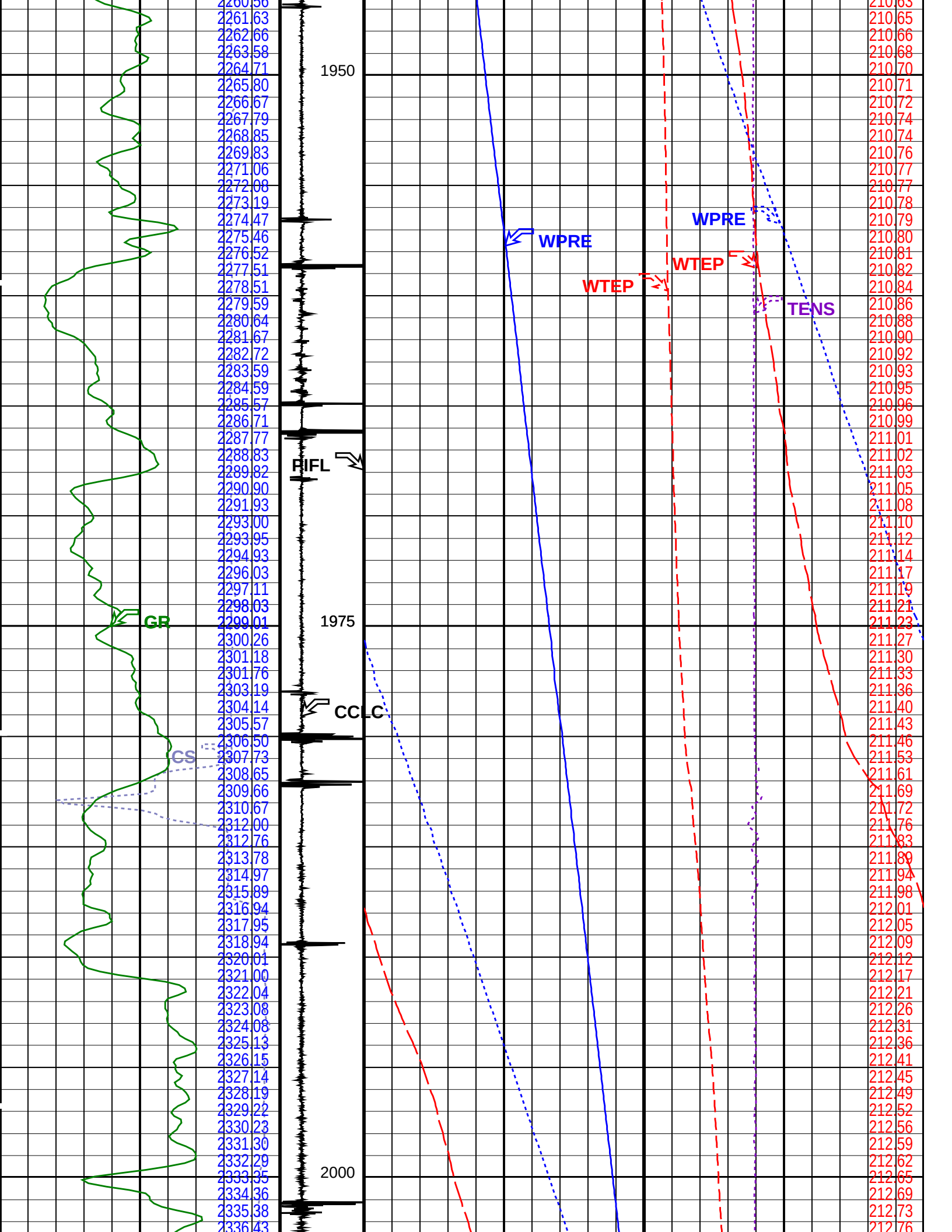
OP System Version: 17C0−154

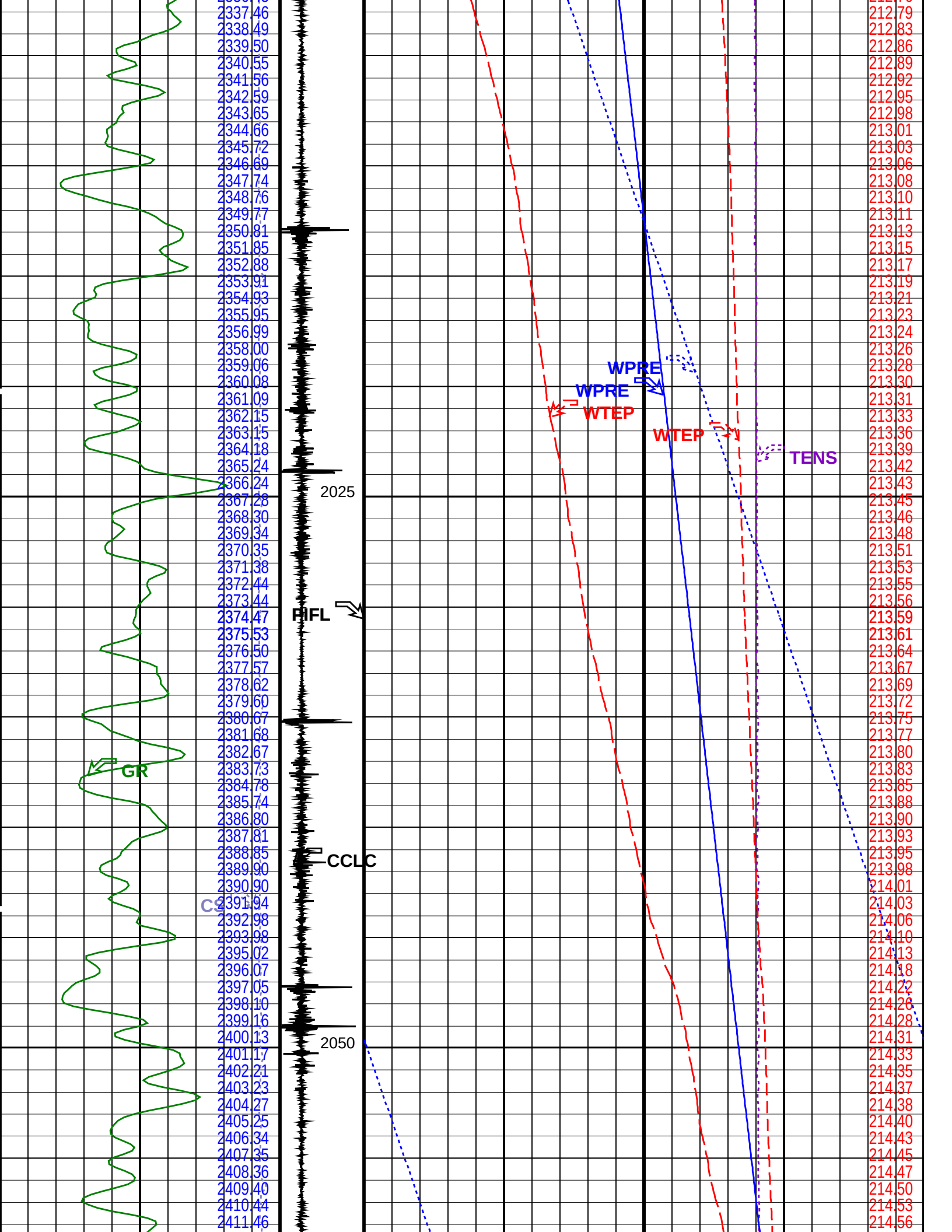
PSPT−A/B 17C0−154

PIP SUMMARY

Time Mark Every 60 S




GR
CS
RIFL
CCLC
WPRE
WPRE
WTEP
WTEP
TENS
1950
1975
2000


2337.46
2338.49
2339.50
2340.55
2341.56
2342.59
2343.65
2344.66
2345.72
2346.69
2347.74
2348.76
2349.77
2350.81
2351.85
2352.88
2353.91
2354.93
2355.95
2356.99
2358.00
2359.06
2360.08
2361.09
2362.15
2363.15
2364.18
2365.24
2366.24
2367.28
2368.30
2369.34
2370.35
2371.38
2372.44
2373.44
2374.47
2375.53
2376.50
2377.57
2378.62
2379.60
2380.67
2381.68
2382.67
2383.73
2384.78
2385.74
2386.80
2387.81
2388.85
2389.90
2390.90
2391.94
2392.98
2393.98
2395.02
2396.07
2397.05
2398.10
2399.16
2400.13
2401.17
2402.21
2403.23
2404.27
2405.25
2406.34
2407.35
2408.36
2409.40
2410.44
2411.46
2025
2050
RIFL
CCLC
GR
WPRE
WPRE
WTEP
WTEP
TENS
212.79
212.83
212.86
212.89
212.92
212.95
212.98
213.01
213.03
213.06
213.08
213.10
213.11
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213.64
213.67
213.69
213.72
213.75
213.77
213.80
213.83
213.85
213.88
213.90
213.93
213.95
213.98
214.01
214.03
214.06
214.10
214.13
214.18
214.22
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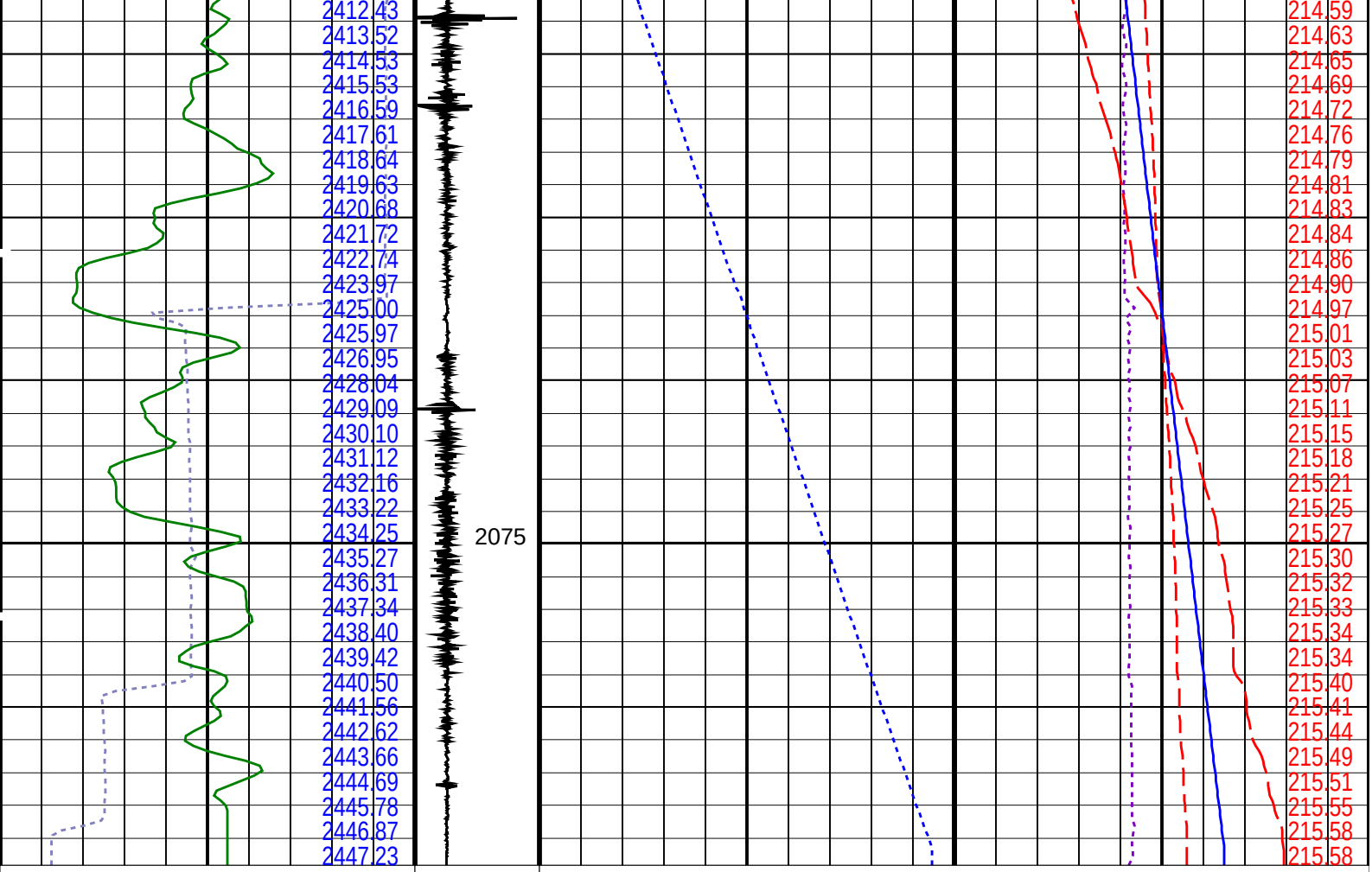
214.43
214.45
214.47
214.50
214.53
214.56



Cable Speed (CS) 0 (F/HR) 5000

Computed CCL (CCLC) 1 (V) −3

Well Temperature (WTEP) 200 (DEGF) 220

Gamma Ray (GR) 0 (GAPI) 150

Perfo Zone From PERFO_ CURVE to D3T

Well Temperature (WTEP) 0 (DEGF) 4

Well Pressure (WPRE) (PSIA)

Well Pressure (WPRE) 2200 (PSIA) 2500

Amplified Well Pressure (WPRE) 0 (PSIA) 100

Tension (TENS) 0 (LBF) 2500

Well Temperture (WTEP) (DEGF)

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 03−Jan−2010 19:18

OP System Version: 17C0−154

PSPT−A/B 17C0−154

Parameters

DLIS Name	Description	Value

System and Miscellaneous			
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_PSP_125LUP	PRODUCER	03−Jan−2010 17:16	2084.8 M	1924.5 M

Output DLIS Files

DEFAULT	PSP_128PUP	FN:126	PRODUCER	03−Jan−2010 19:18

Schlumberger

2−1/8" Dummy Plug Run 1 Correlation Pass

MAXIS Field Log

Input DLIS Files

DEFAULT	PSP_085LUP	FN:84	PRODUCER	02−Jan−2010 08:31	2091.2 M	1901.8 M

Output DLIS Files

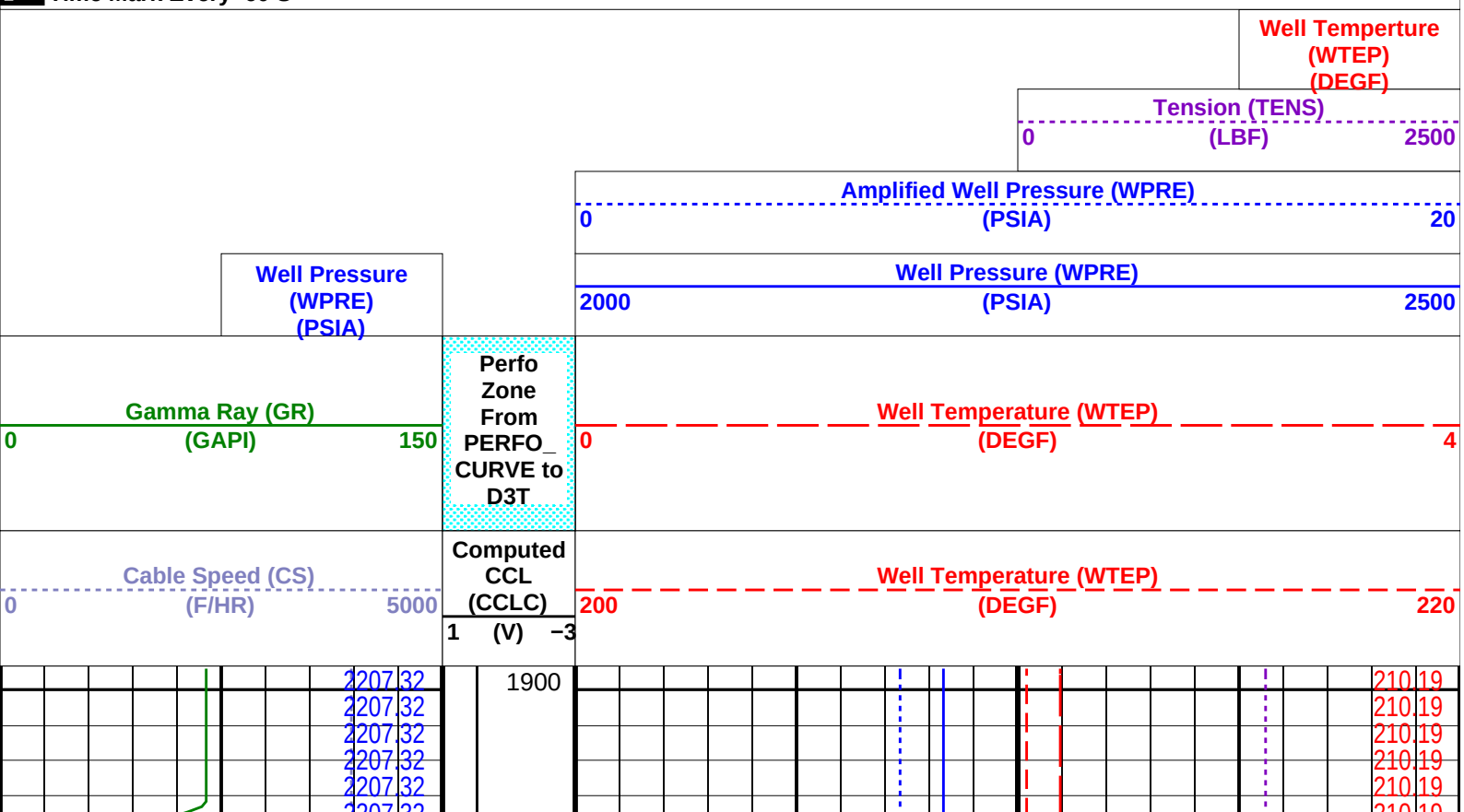
DEFAULT	PSP_086PUP	FN:85	PRODUCER	02−Jan−2010 08:45	2091.2 M	1899.2 M

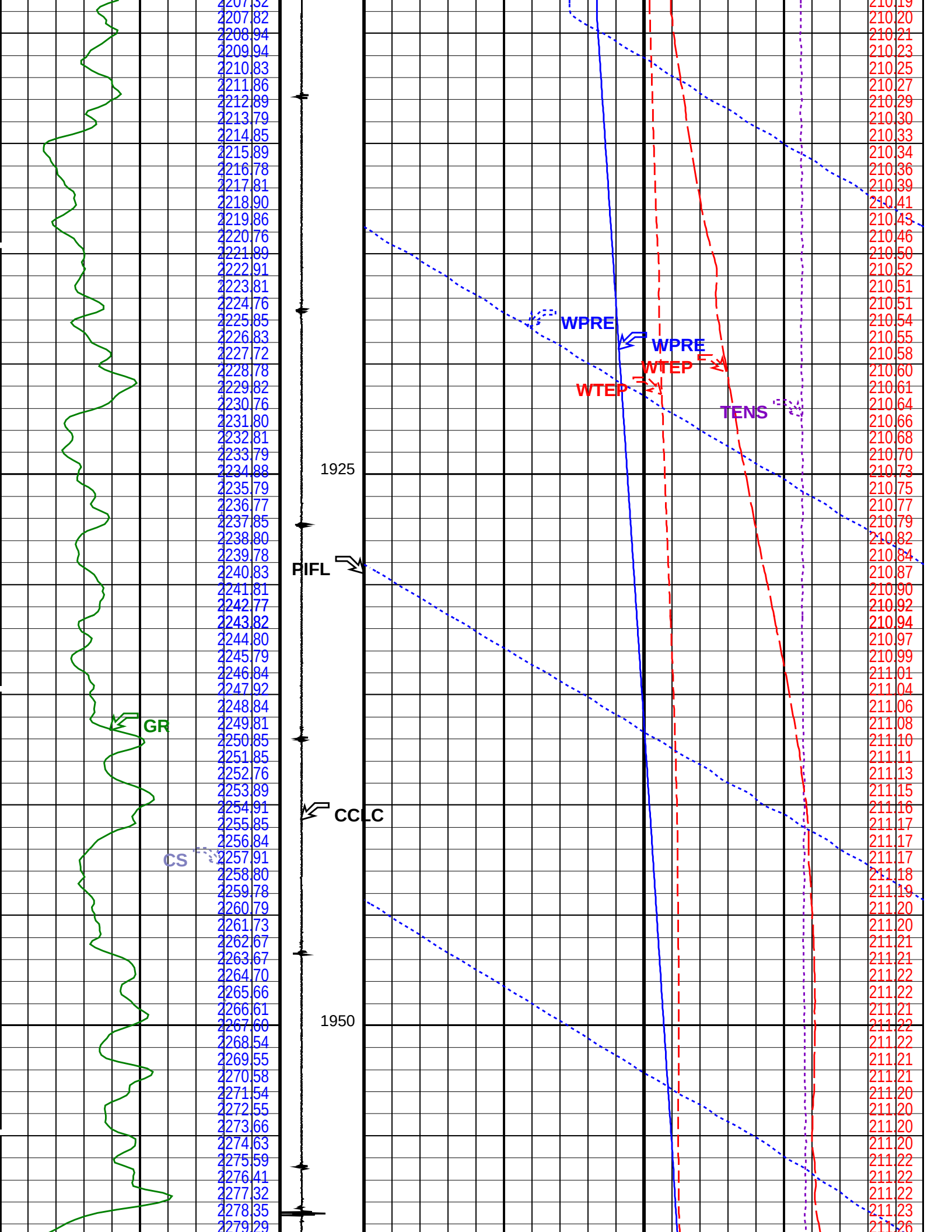
OP System Version: 17C0−154

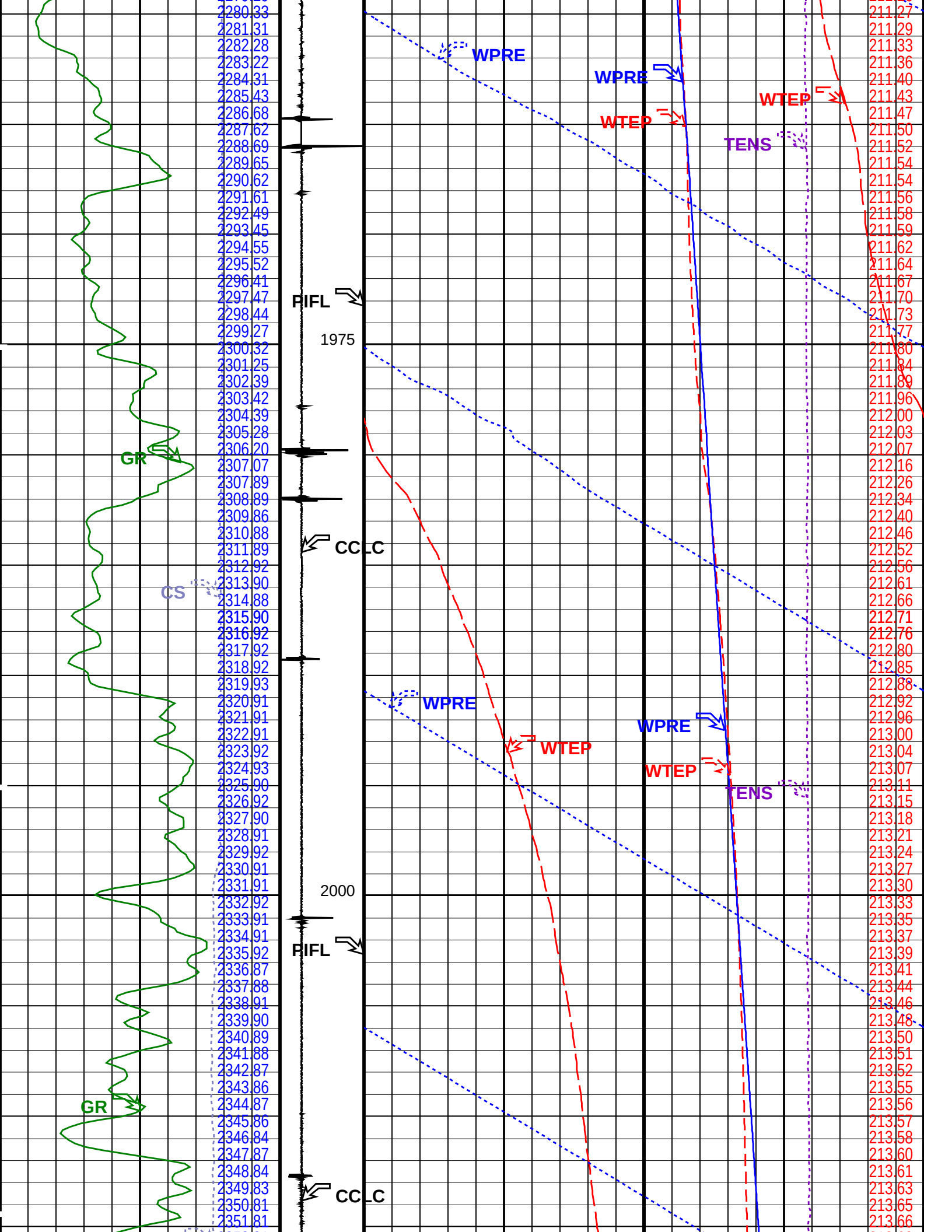
PSPT−A/B	17C0−154

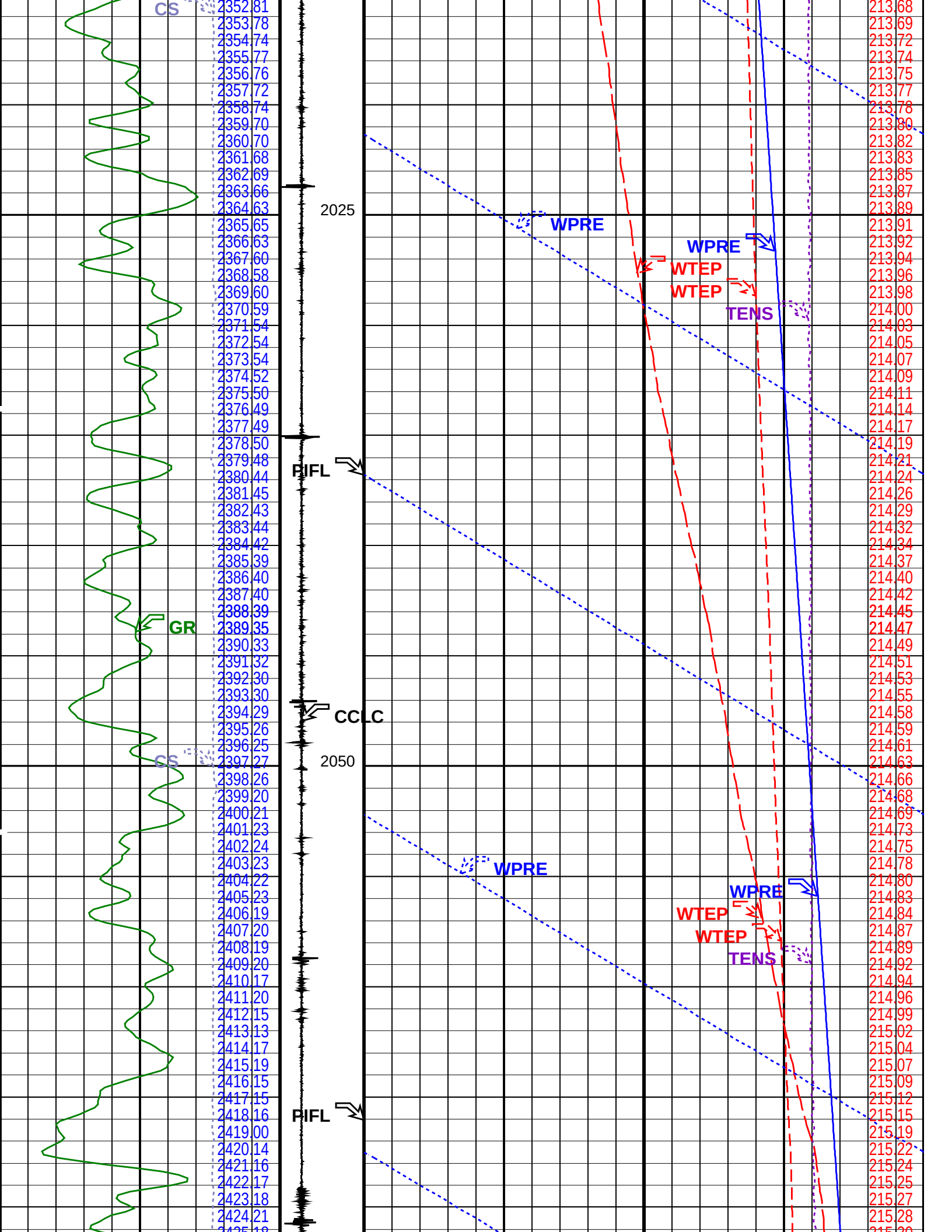
PIP SUMMARY

Time Mark Every 60 S




WPRE
WPRE
WTEP
WTEP
TENS
PIFL
GR
CCLC
CS
1925
1950


WPRE
WPRE
WTEP
WTEP
TENS
PIFL
1975
GR
CCLC
CS
WPRE
WPRE
WTEP
WTEP
TENS
2000
PIFL
GR
CCLC


CS
2352.81
2353.78
2354.74
2355.77
2356.76
2357.72
2358.74
2359.70
2360.70
2361.68
2362.69
2363.66
2364.63
2025
2365.65
2366.63
2367.60
2368.58
2369.60
2370.59
2371.54
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2373.54
2374.52
2375.50
2376.49
2377.49
2378.50
2379.48
2380.44
2381.45
2382.43
2383.44
2384.42
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2413.13
2414.17
2415.19
2416.15
2417.15
2418.16
2419.00
2420.14
2421.16
2422.17
2423.18
2424.21
WPRE
WPRE
WTEP
WTEP
TENS
PIFL
GR
CCLC
CS
2050
WPRE
WPRE
WTEP
WTEP
TENS
PIFL
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213.75
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213.78
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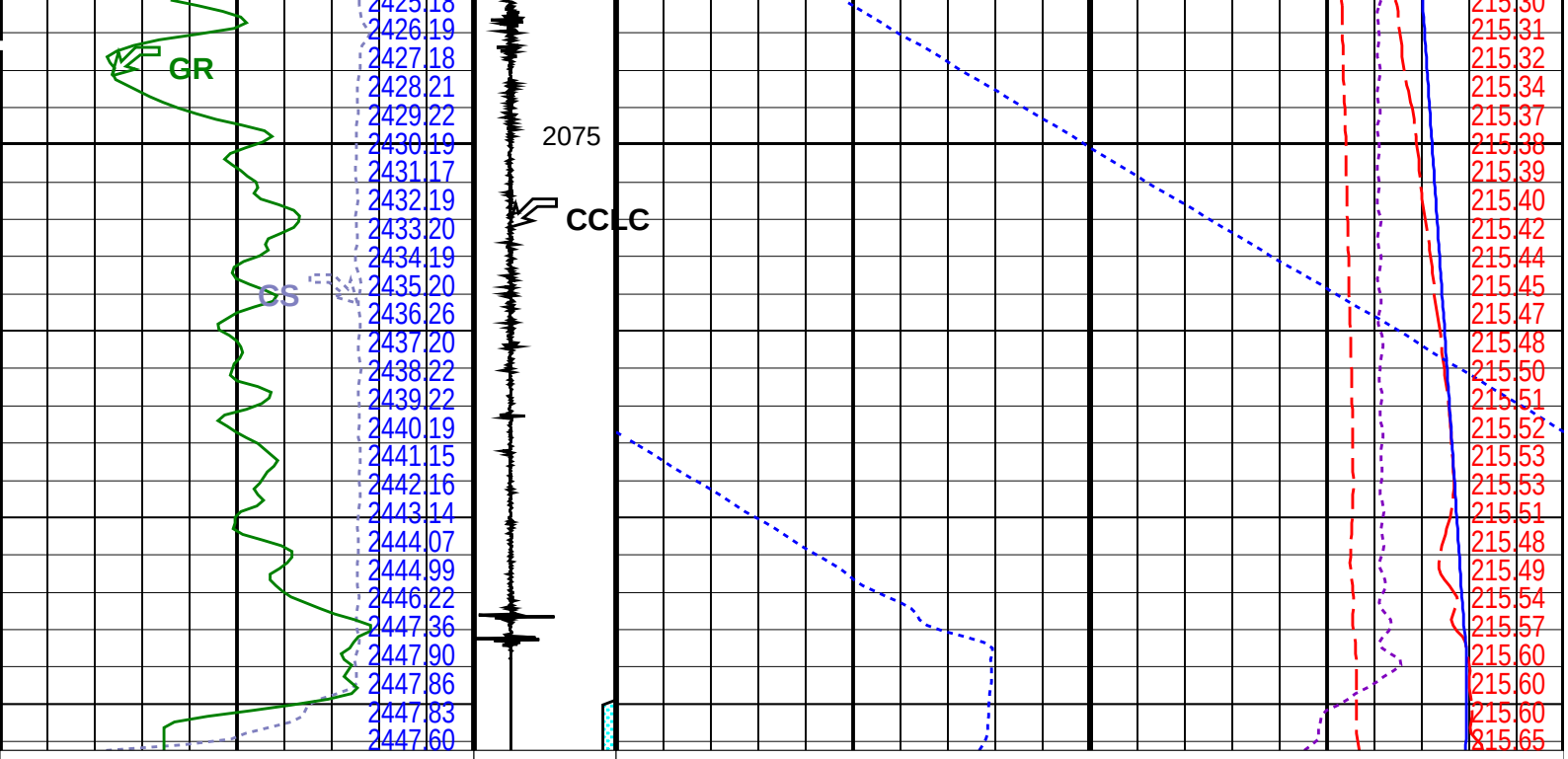
215.27
215.28



Cable Speed (CS)
0 (F/HR) 5000

Computed CCL (CCLC)
1 (V) −3

Well Temperature (WTEP)
200 (DEGF) 220

Gamma Ray (GR)
0 (GAPI) 150

Perfo Zone From PERFO_ CURVE to D3T

Well Temperature (WTEP)
0 (DEGF) 4

Well Pressure (WPRE) (PSIA)

Well Pressure (WPRE)
2000 (PSIA) 2500

Amplified Well Pressure (WPRE)
0 (PSIA) 20

Tension (TENS)
0 (LBF) 2500

Well Temperture (WTEP) (DEGF)

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 02−Jan−2010 08:45

OP System Version: 17C0−154

PSPT−A/B 17C0−154

Parameters

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

Input DLIS Files

DEFAULT	PSP_085LUP	FN:84	PRODUCER	02−Jan−2010 08:31	2091.2 M	1901.8 M

Output DLIS Files

DEFAULT	PSP_086PUP	FN:85	PRODUCER	02−Jan−2010 08:45

Schlumberger

2−1/8" PowerJet Gun − MWPT Station Log

MAXIS Field Log

Company: Esso Australia Pty Ltd **Well: TNA A22**

Input DLIS Files

DEFAULT	PERFO_066LTP	FN:65	PRODUCER	01−Jan−2010 16:32	2066.1 M

Output DLIS Files

DEFAULT	PERFO_073PTP	FN:72	PRODUCER	01−Jan−2010 17:16	2066.1 M

OP System Version: 17C0−154

MWP_GUN	17C0−154	MWPT−CA	17C0−154
MWGT−AA	17C0−154		

PIP SUMMARY

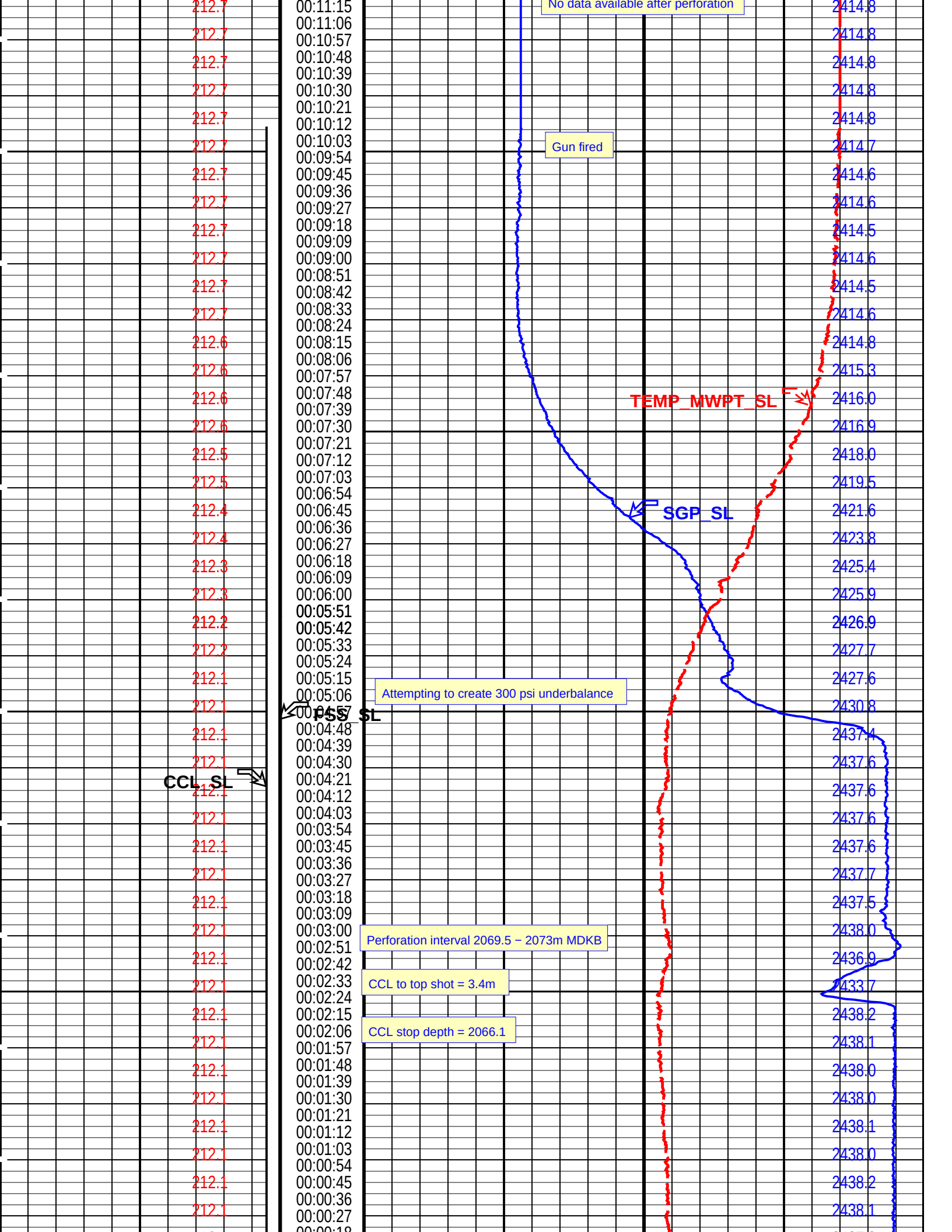
Time Mark Every 60 S

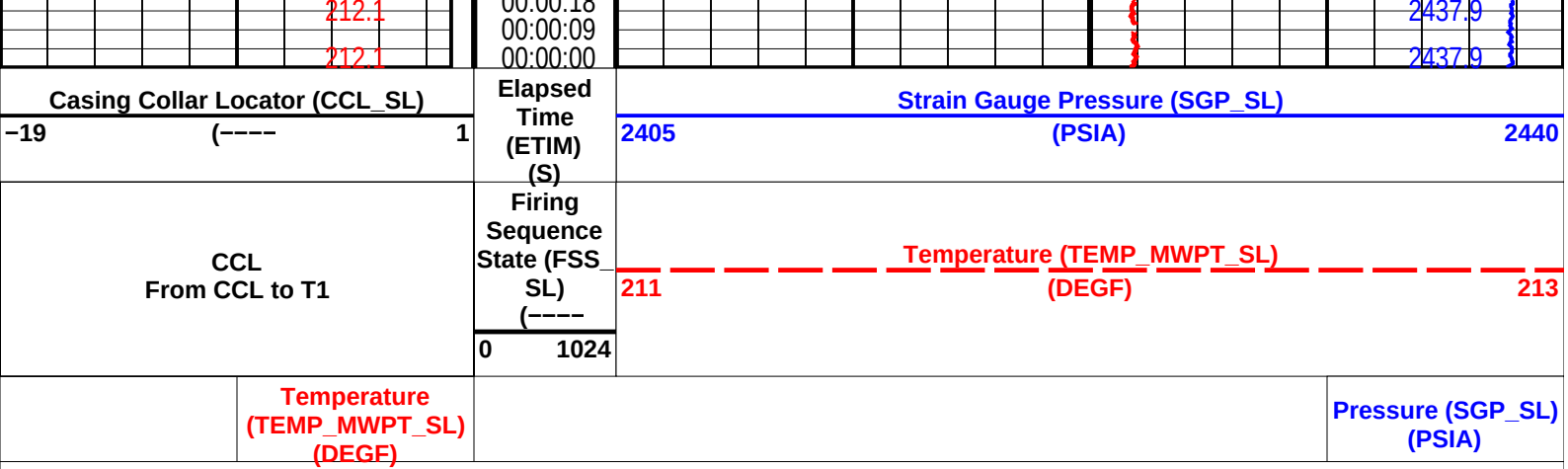
Temperature (TEMP_MWPT_SL) (DEGF)		Pressure (SGP_SL) (PSIA)
CCL From CCL to T1	Firing Sequence State (FSS_SL) (−−−− 0 1024	Temperature (TEMP_MWPT_SL) (DEGF) 211 213
Casing Collar Locator (CCL_SL) −19 (−−−− 1	Elapsed Time (ETIM) (S)	Strain Gauge Pressure (SGP_SL) (PSIA) 2405 2440

Temperature (TEMP_MWPT_SL) (DEGF)	Elapsed Time (ETIM) (S)	Pressure (SGP_SL) (PSIA)
212.7	00:14:33	2414.8
	00:14:24	
212.7	00:14:15	2414.8
	00:14:06	
212.7	00:13:57	2414.8
212.7	00:13:48	2414.8
	00:13:39	
212.7	00:13:30	2414.8
	00:13:21	
212.7	00:13:12	2414.8
212.7	00:13:03	2414.8
	00:12:54	
212.7	00:12:45	2414.8
	00:12:36	
212.7	00:12:27	2414.8
212.7	00:12:18	2414.8
	00:12:09	
212.7	00:12:00	2414.8
	00:11:51	
212.7	00:11:42	2414.8
212.7	00:11:33	2414.8
	00:11:24	

Well flowed

Perforating gun knocked out MPWT sensors


No data available after perforation
Gun fired
TEMP_MWPT_SL
SGP_SL
Attempting to create 300 psi underbalance
PSS_SL
CCL_SL
Perforation interval 2069.5 – 2073m MDKB
CCL to top shot = 3.4m
CCL stop depth = 2066.1



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		
PP	Playback Processing	NORMAL	

Format: MWP_SL Vertical Scale: 1" per 60S Graphics File Created: 01−Jan−2010 17:16

OP System Version: 17C0−154

MWP_GUN	17C0−154	MWPT−CA	17C0−154
MWGT−AA	17C0−154		

Input DLIS Files

DEFAULT	PERFO_066LTP	FN:65	PRODUCER	01−Jan−2010 16:32	2066.1 M

Output DLIS Files

DEFAULT	PERFO_073PTP	FN:72	PRODUCER	01−Jan−2010 17:16

Schlumberger

2−1/8" PowerJet Gun − MWPT Shooting Pass

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
GUN1	Used	2069.5	2069.5	Sun Jan 01 16:54:42 201

Output DLIS Files

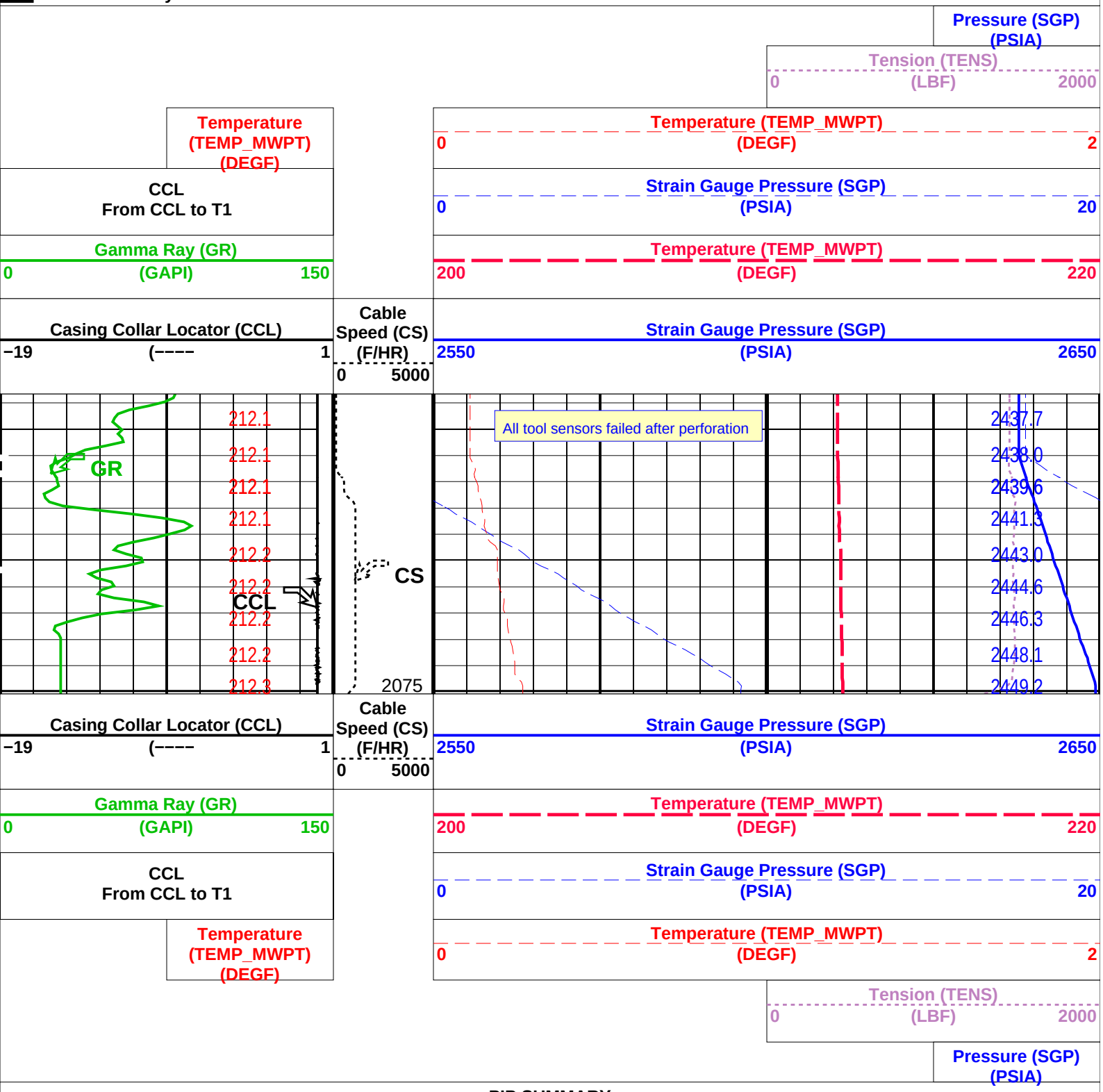
DEFAULT	PERFO_065LUP	FN:64	PRODUCER	01−Jan−2010 16:26	2075.1 M	2063.6 M

OP System Version: 17C0−154

MWP_GUN	17C0−154	MWPT−CA	17C0−154
MWGT−AA	17C0−154		

PIP SUMMARY

Time Mark Every 60 S



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value

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

Format: MWP Vertical Scale: 1:200 Graphics File Created: 01−Jan−2010 16:26

OP System Version: 17C0−154

MWP_GUN	17C0−154	MWPT−CA	17C0−154
MWGT−AA	17C0−154		

Output DLIS Files

DEFAULT	PERFO_065LUP	FN:64	PRODUCER	01−Jan−2010 16:26

Schlumberger

2−1/8" PowerJet Gun − MWPT Correlation Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd Well: TNA A22

Output DLIS Files

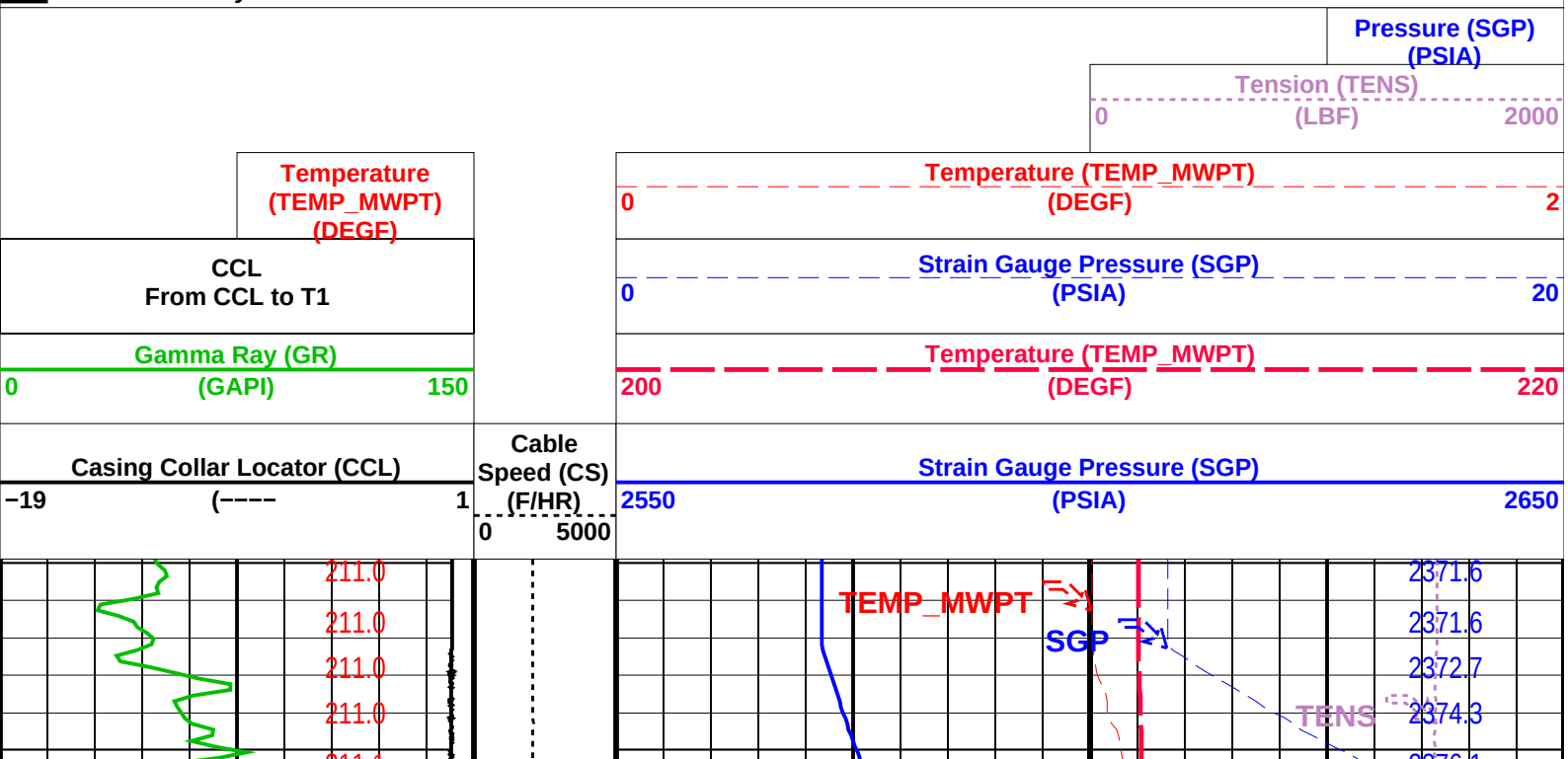
DEFAULT	PERFO_064LUP	FN:63	PRODUCER	01−Jan−2010 16:14	2080.4 M	2014.9 M

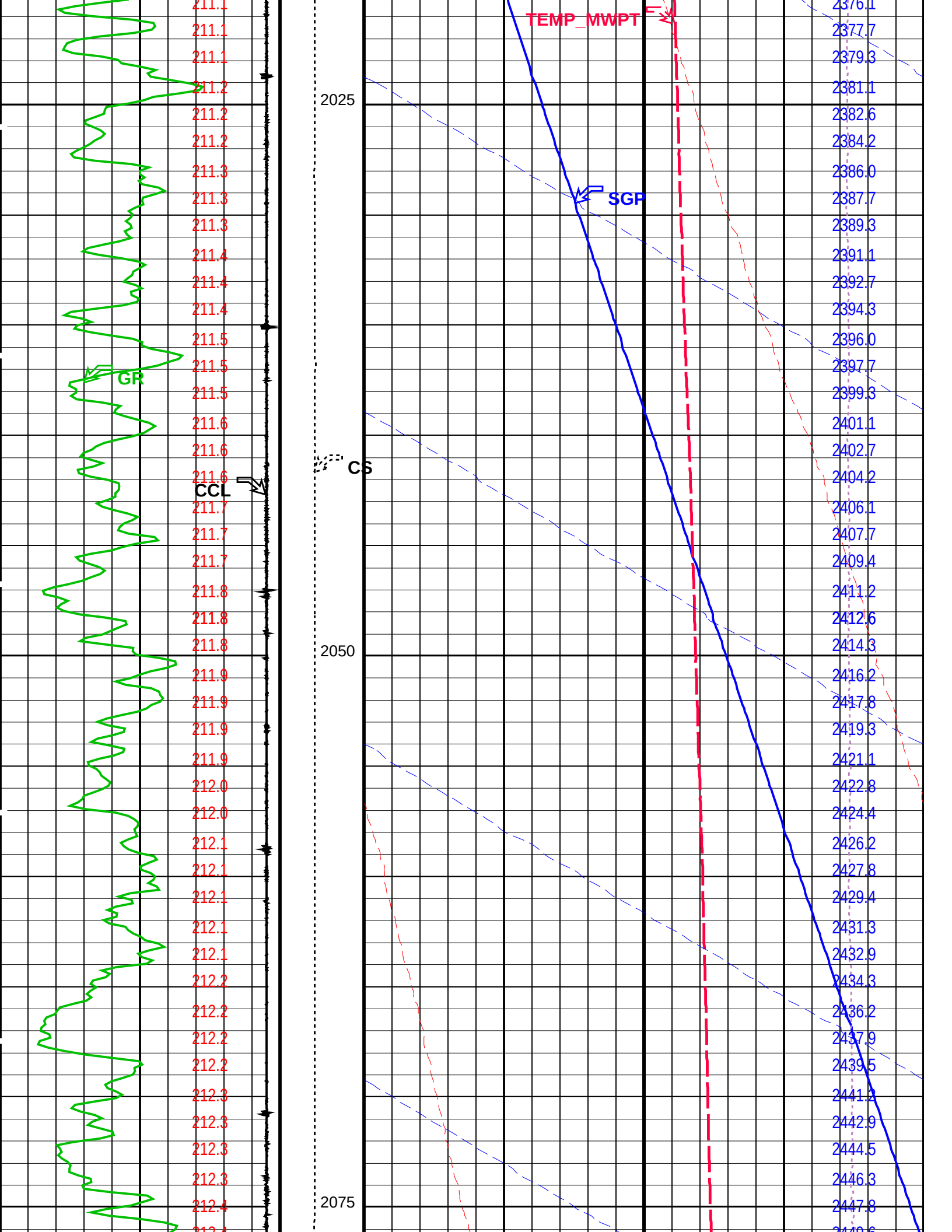
OP System Version: 17C0−154

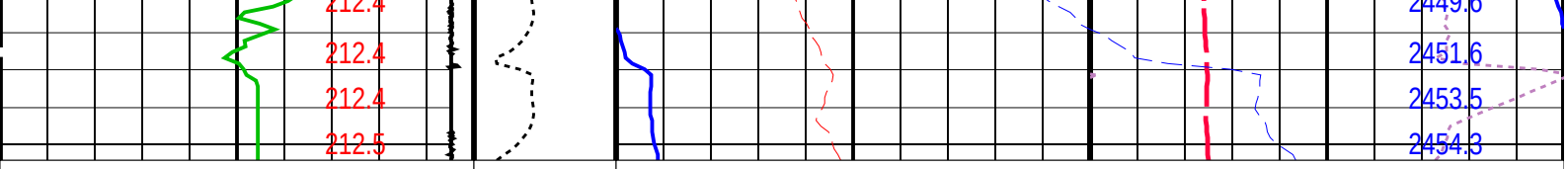
MWP_GUN	17C0−154	MWPT−CA	17C0−154
MWGT−AA	17C0−154		

PIP SUMMARY

Time Mark Every 60 S




GR
CCL
CS
SGP
TEMP_MWPT
2025
2050
2075
211.1
211.2
211.3
211.4
211.5
211.6
211.7
211.8
211.9
212.0
212.1
212.2
212.3
212.4
2376.1
2377.7
2379.3
2381.1
2382.6
2384.2
2386.0
2387.7
2389.3
2391.1
2392.7
2394.3
2396.0
2397.7
2399.3
2401.1
2402.7
2404.2
2406.1
2407.7
2409.4
2411.2
2412.6
2414.3
2416.2
2417.8
2419.3
2421.1
2422.8
2424.4
2426.2
2427.8
2429.4
2431.3
2432.9
2434.3
2436.2
2437.9
2439.5
2441.2
2442.9
2444.5
2446.3
2447.8



Casing Collar Locator (CCL)	Cable Speed (CS) (F/HR)	Strain Gauge Pressure (SGP) (PSIA)
−19 (−−−− 1	0 5000	2550 2650

Gamma Ray (GR) (GAPI)	Temperature (TEMP_MWPT) (DEGF)
0 150	200 220

CCL From CCL to T1	Strain Gauge Pressure (SGP) (PSIA)
	0 20

Temperature (TEMP_MWPT) (DEGF)	Temperature (TEMP_MWPT) (DEGF)
	0 2

Tension (TENS) (LBF)	Pressure (SGP) (PSIA)
0 2000	

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

Format: MWP Vertical Scale: 1:200 Graphics File Created: 01−Jan−2010 16:14

OP System Version: 17C0−154

MWP_GUN	17C0−154	MWPT−CA	17C0−154
MWGT−AA	17C0−154		

Output DLIS Files

DEFAULT	PERFO_064LUP	FN:63	PRODUCER	01−Jan−2010 16:14

Company: **Esso Australia Pty Ltd**

Schlumberger

Well: **TNA A22**
Field: **Prod 4 / Crane**
Rig: **Tuna**
Country: **Australia**

2−1/8" EnerJet with MWPT
7−5/8" MPBT Plug setting Record
01−01−2010