

Company: Esso Australia Pty Ltd.

Well: A-6L

Field: Tuna

Rig: Prod 4 / Crane

Country: Australia

MWPT 2" HSD with PowerJet
7" MPBT Posiset Plug Setting
24-Dec-2009

Prod 4 / Crane
Tuna
Gippsland
A-6L
Esso Australia Pty Ltd.

Rig:
Field:
Location:
Well:
Company:

| LOCATION | | | |
|-------------------------|--------|---------|-------------------|
| Gippsland | Elev.: | K.B. | 32.90 m |
| Basin | | G.L. | -59.00 m |
| Bass Strait | | D.F. | 32.90 m |
| Permanent Datum: | M.S.L | | |
| Log Measured From: | K.B | 32.90 m | above Perm. Datum |
| Drilling Measured From: | K.B | | |

| | | | |
|--------------------|---------------------------------|-------------------------------|-----------------------------|
| State: Victoria | Max. Well Deviation 59.9 deg | Longitude 148° 25' 05.29"E | Latitude 38° 10' 16.00"S |
|--------------------|---------------------------------|-------------------------------|-----------------------------|

Logging Date 24-Dec-2009

Run Number 1

Depth Driller 3290 m

Schlumberger Depth 3102.2 m

Bottom Log Interval 3066 m

Top Log Interval 3062 m

Casing Fluid Type Production Fluids

Salinity

Density

Fluid Level 1361 m

BIT/CASING/TUBING STRING

Bit Size 8.500 in

From 2318 m

To 3280 m

Casing/Tubing Size 7.000 in

Weight 23 lbn/ft

Grade K-55

From 2218 m

To 3277.5 m

Maximum Recorded Temperatures 211 degF

Logger On Bottom 24-Dec-2009 11:00

Unit Number 889 Prod 4 / AUSL

Recorded By Owen Darby

Witnessed By Barry 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 59.9 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

Unit Number

Recorded By

Witnessed By

Depth System Equipment

Date Created: 23-DEC-2009 15:54:53

| Depth Measuring Device | | Tension Device | | Logging Cable | |
|---------------------------|------------|-------------------------------|------------|---|--------|
| Type: | IDW-EB | Type: | PSDS/OSDS | Type: | 2-32ZT |
| Serial Number: | 6373 | Serial Number: | 854 | Serial Number: | 208558 |
| Calibration Date: | 9-Oct-2009 | Calibration Date: | 23-11-2009 | Length: | 6401 M |
| Calibrator Serial Number: | 30 | Calibrator Serial Number: | 1174 | Conveyance Method: Wireline Rig Type: Offshore Fixed | |
| Calibration Cable Type: | 2-32ZT | Number of Calibration Points: | 10 | | |
| Wheel Correction 1: | 0 | Calibration RMS: | 231 | | |
| Wheel Correction 2: | 2 | Calibration Peak Error: | 310 | | |

| | |
|--------------------------------------|-----------------------------|
| Log Sequence: | Subsequent Trip To the Well |
| Reference Log Name: | |
| Reference Log Run Number: | Tyna A6L |
| Reference Log Date: | |
| Subsequent Trip Down Log Correction: | 2.00 M |

1. Correlated to ExxonMobil composite log provide by client
2. Used IDW as primary depth control
3. Used Z-Chart as secondary depth control
4. All depths are drillers depths
- 5.
- 6.

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 | OTHER SERVICES2 |
|-----------------------|-----------------|
| OS1: RST Sigma survey | OS1: |
| OS2: | OS2: |
| OS3: | OS3: |
| OS4: | OS4: |
| OS5: | OS5: |

REMARKS: RUN NUMBER 1

REMARKS: RUN NUMBER 2

Correlated to ExxonMobil solar composite log provided by client

Objective # 1:

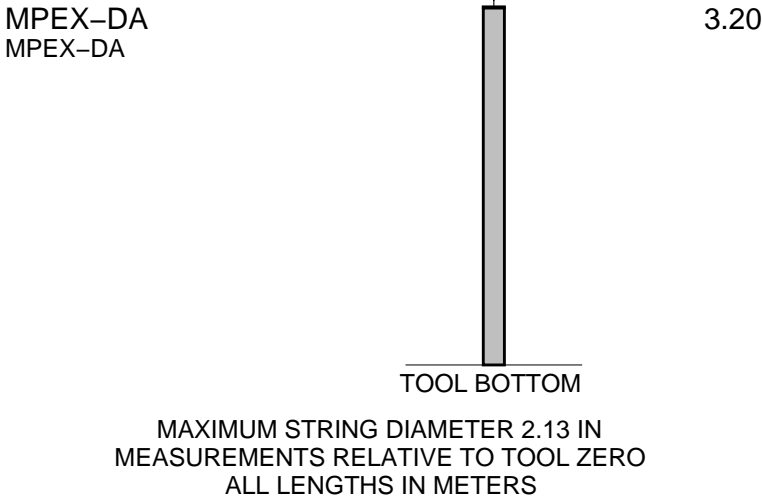
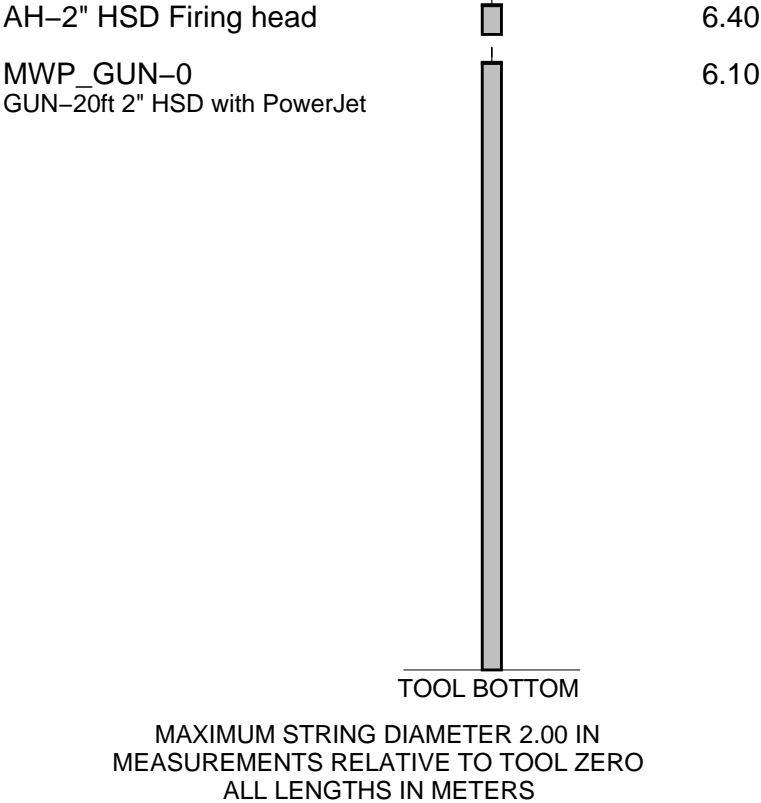
Prepare 4.0m of PowerJet charges in a 2" HSD 6spf Gun with MWPT.

RIH, correlate and place gun over interval 3062 – 3066m 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 and POOH

| | | | | | |
|---|-------|------|--|-------|------|
| SBHP= 2133 Psia, SBHT = 211DegF / FBHP= 2050 Psia, 211.7 DegF. | | | | | |
| Objective # 2: | | | | | |
| Make up dummy MPBT plug with GR/CCL and RIH to ensure access to 3095m MDKB. | | | | | |
| Prepare MPBT setting tool with 7" MPBT plug suitable for 23lbs casing, RIH and | | | | | |
| set plug with top sealing element positioned @ 3090m MDKB. | | | | | |
| Make up Dump bailer toolstring RIH and dump fresh water then approximately 1.0m | | | | | |
| of cement on top of the MPBT plug. | | | | | |
| | | | | | |
| | | | | | |
| Crew: | | | | | |
| Rick Murray & Gary Blandford | | | | | |
| RUN 1 | | | RUN 2 | | |
| SERVICE ORDER #: | | | SERVICE ORDER #: | | |
| PROGRAM VERSION: | | | PROGRAM VERSION: | | |
| FLUID LEVEL: | | | FLUID LEVEL: | | |
| 17C0-154 1361 m | | | | | |
| LOGGED INTERVAL | START | STOP | LOGGED INTERVAL | START | STOP |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| EQUIPMENT DESCRIPTION | | | | | |
| RUN 1 | | | RUN 2 | | |
| SURFACE EQUIPMENT | | | SURFACE EQUIPMENT | | |
| MWPM-AA 3005 | | | WITM (SHM) | | |
| DOWNHOLE EQUIPMENT | | | DOWNHOLE EQUIPMENT | | |
| AH-SWBS-B 785 AH-SWBS-B 785 | | | AH-SWBS-B 787 AH-SWBS-B 787 | | |
| 14.77 | | | 13.84 | | |
| AH-SWBS-B 786 AH-SWBS-B 786 | | | AH-SWBS-B 789 AH-SWBS-B 789 | | |
| 14.08 | | | 13.15 | | |
| AH-SWBS-B 787 AH-SWBS-B 787 | | | AH-SWBS-B 788 AH-SWBS-B 788 | | |
| 13.39 | | | 12.47 | | |
| AH-SWBS-B 788 AH-SWBS-B 788 | | | AH-SWBS-B 785 AH-SWBS-B 785 | | |
| 12.71 | | | 11.78 | | |
| AH-SWBS-B 789 AH-SWBS-B 789 | | | AH-SWBS-B 786 AH-SWBS-B 786 | | |
| 12.02 | | | 11.10 | | |
| MH-SWHS-A 759 AH-124 7002 | | | MH-SWHS-A 759 MH-SWHS-A 759 | | |
| 11.34 | | | 10.41 | | |
| AH-124 7002 MWGT-AA 69 | | | CCL Cable Cur Head Volt Tension | | |
| 10.99 | | | 10.07 | | |
| MWPG-AA 69 MWGH-AA 69 | | | CCL-L 7336 CCL-L 7336 | | |
| 10.89 | | | TOOL ZERO | | |
| MWPT-CA 74 MWPH-AA 74 MWPS-AA 74 | | | MPSU-CA 1102 MPSU-CA 1102 | | |
| 9.92 | | | 9.61 | | |
| CCL SMWP Pres SMWP Temp Tension | | | | | |
| TOOL ZERO | | | | | |
| AH-WPSA-BA 4001 AH-WPSA-BA 4001 | | | | | |
| 7.10 | | | | | |



Client: Esso Australia

Well: TNA A6L

Field: Bass Strait

State: Victoria

Country: Australia

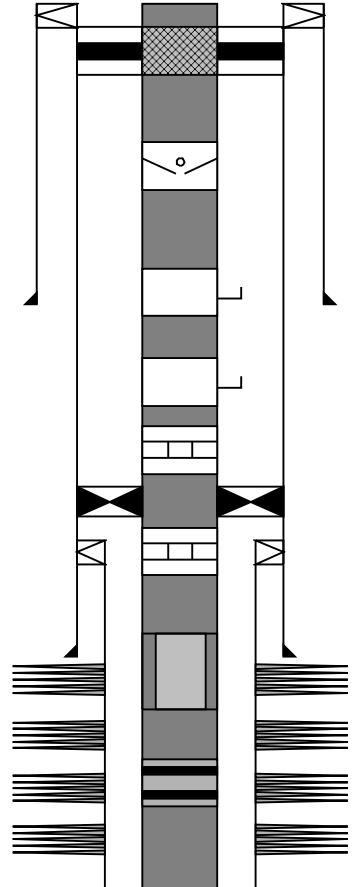
Rig Name:

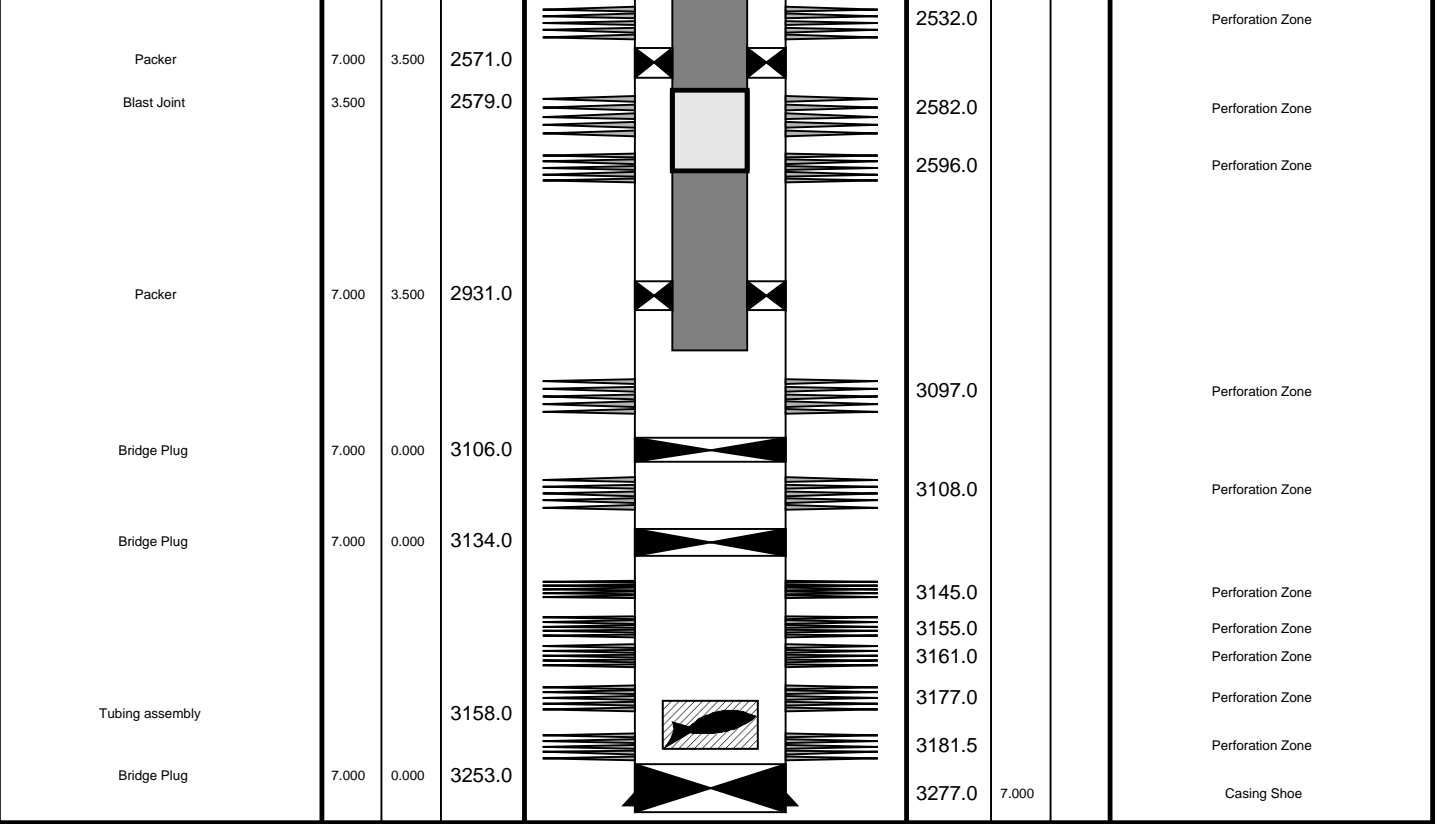
Reference Datum:

Elevation: 32.9 m

Drawing Date: 12/23/2009

API #:

| Production String | (in) | | (m) | Well Schematic | (m) | | (in) | Casing String |
|-------------------|-------|-------|--------|---|--------|--------|-------|------------------|
| | OD | ID | MD | | MD | OD | ID | |
| Tubing | 3.500 | | 14.0 |  | 14.8 | 13.375 | | Casing String |
| Tubing Hanger | 9.625 | 3.500 | 14.0 | | 14.5 | 13.375 | 9.625 | Liner Hanger |
| SSSV | 3.500 | | 451.0 | | | | | |
| Gas Lift Mandrel | 3.500 | | 1361.0 | | 722.1 | 13.375 | | Casing Shoe |
| Gas Lift Mandrel | 3.500 | | 1370.0 | | | | | |
| Landing Nipple | 3.500 | | 1379.0 | | | | | |
| Packer | 9.625 | 3.500 | 2142.0 | | | | | |
| Nipple | 3.500 | | 2147.0 | | 2218.0 | 7.000 | | Casing String |
| | | | | | 2218.0 | 9.625 | 7.000 | Liner Hanger |
| Tubing patch | 3.500 | | 2531.8 | | 2318.0 | 9.625 | | Casing Shoe |
| | | | | | 2326.0 | | | Perforation Zone |
| | | | | | 2333.0 | | | Perforation Zone |
| No Go locator | 3.500 | | 2571.0 | | 2386.0 | | | Perforation Zone |
| | | | | | 2392.0 | | | Perforation Zone |



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

| Time | Elapsed Time | Depth (M) | File |
|------|--------------|-----------|------|
|------|--------------|-----------|------|

| | | | | | |
|--------------------------------------|-------------|-------|--------|-----------------|--------------|
| Simulated Log | 24-Dec-2009 | 7:02 | 000:53 | | PERFO_046LUP |
| OP checked MWPT toolstring | | | | | |
| Log Pass (up) | 24-Dec-2009 | 9:42 | 000:09 | 3096.5 - 3003.2 | PERFO_054LUP |
| MWPT - correlation pass | | | | | |
| Log Pass (up) | 24-Dec-2009 | 9:56 | 000:52 | 3095.7 - 2991.8 | PERFO_056LUP |
| MWPT - Shooting pass | | | | | |
| Station Log | 24-Dec-2009 | 10:03 | 000:40 | 3057.5 | PERFO_058LTP |
| MWPT - Well draw down record | | | | | |
| Simulated Log | 24-Dec-2009 | 12:15 | 000:01 | | PERFO_065LUP |
| Op checked Dummy plug toolstring | | | | | |
| Log Pass (up) | 24-Dec-2009 | 13:08 | 000:10 | 3105.9 - 2908.2 | PERFO_068LUP |
| 2-1/8" Dummy plug - Correlation pass | | | | | |
| Simulated Log | 24-Dec-2009 | 14:11 | 000:09 | | CCL_077LUP |
| OP checked MPBT toolstring | | | | | |

| | | | | |
|--|-------------------|--------|-----------------|--------------|
| Log Pass (down) | 24-Dec-2009 15:40 | 000:15 | 2900.8 - 3082.7 | CCL_081LDP |
| MPBT - Correlation pass | | | | |
| Simulated Log | 24-Dec-2009 16:03 | 000:54 | | CCL_082LUP |
| MPBT - Setting record | | | | |
| Simulated Log | 25-Dec-2009 6:37 | 000:04 | | PERFO_090LUP |
| OP checked Dump bailer toolstring | | | | |
| Log Pass (up) | 25-Dec-2009 8:05 | 000:10 | 3081.4 - 2923.3 | PERFO_095LUP |
| 2-1/8" Dump bailer - water dumping record | | | | |
| Log Pass (up) | 25-Dec-2009 9:38 | 000:09 | 3081.2 - 2925.0 | PERFO_099LUP |
| 2-1/8" Dump bailer - cement dumping record | | | | |

Schlumberger

2-1/8" Dump Bailer Cement Dump Record

MAXIS Field Log

PERFO2 Operational Summary Listing

| Device | Status | Req Depth (M) | Obs Depth (M) | Time Used |
|-----------|--------|----------------|----------------|-------------------------|
| Cement-DB | used | 3078.0 | 3078.0 | Fri Dec 25 9:54:43 2009 |

Input DLIS Files

| | | | | | | |
|---------|--------------|--------|----------|-------------------|----------|----------|
| DEFAULT | PERFO_099LUP | FN:116 | PRODUCER | 25-Dec-2009 09:38 | 3081.2 M | 2925.0 M |
|---------|--------------|--------|----------|-------------------|----------|----------|

Output DLIS Files

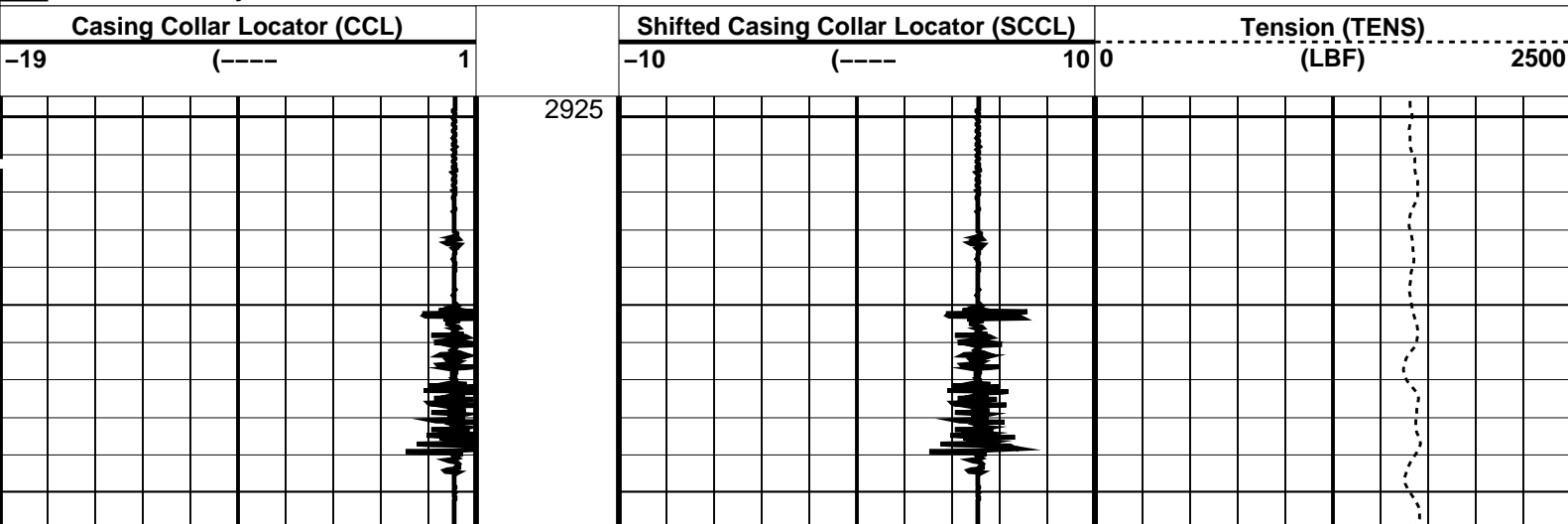
| | | | | | | |
|---------|--------------|--------|----------|-------------------|----------|----------|
| DEFAULT | PERFO_102PUP | FN:119 | PRODUCER | 25-Dec-2009 10:15 | 3080.6 M | 2924.4 M |
|---------|--------------|--------|----------|-------------------|----------|----------|

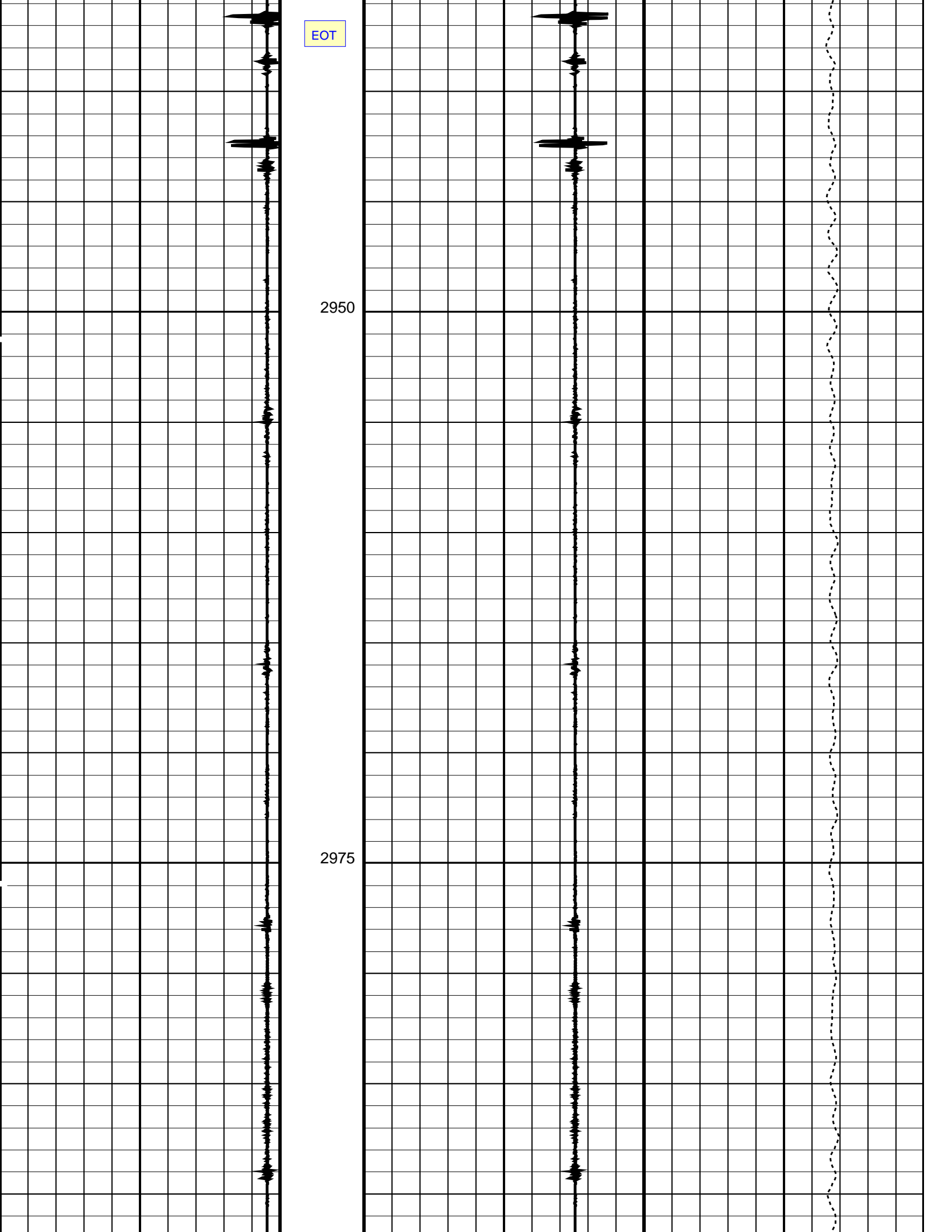
OP System Version: 17C0-154

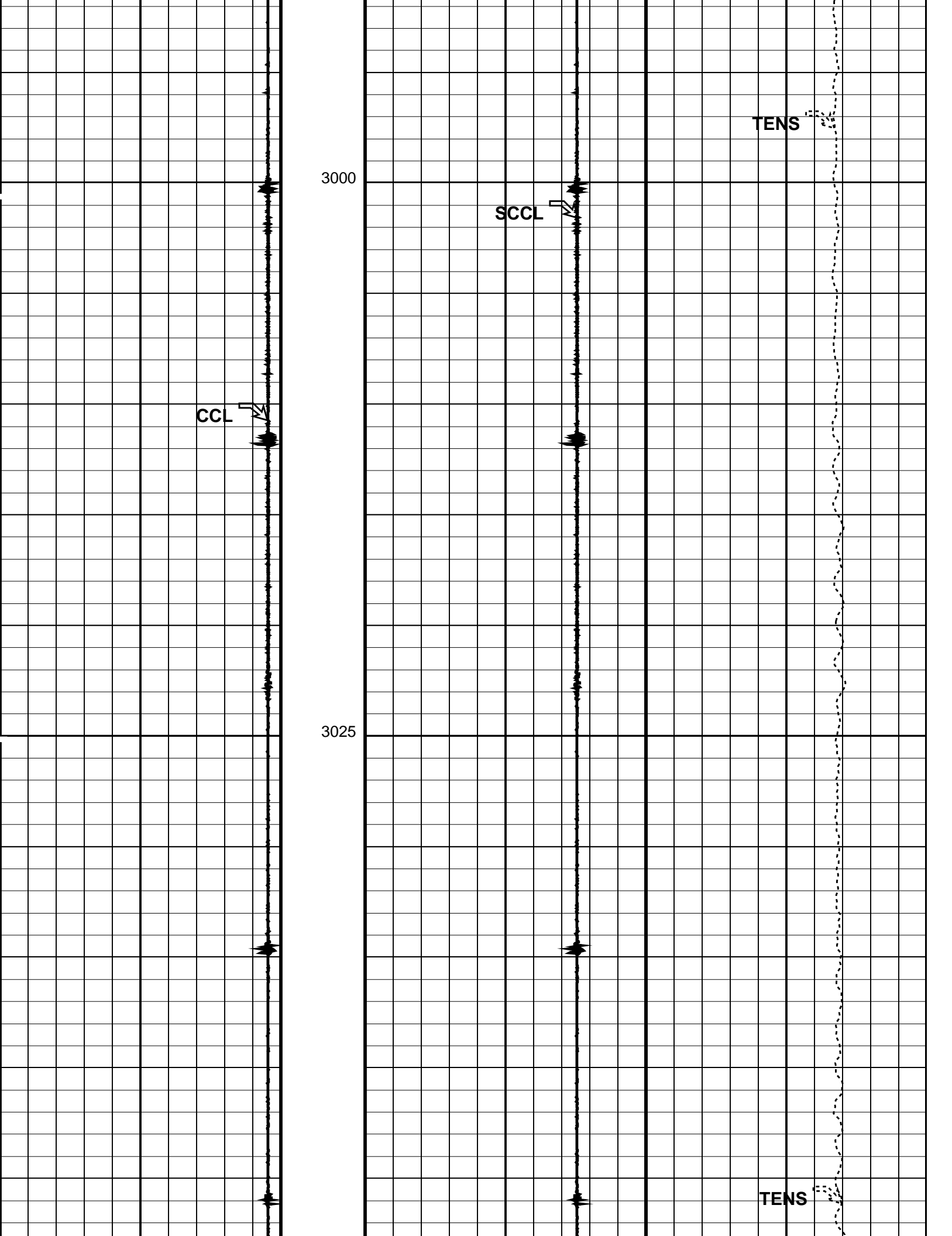
| | | | |
|-------|----------|---------|----------|
| CCL-L | 17C0-154 | SHM_GUN | 17C0-154 |
|-------|----------|---------|----------|

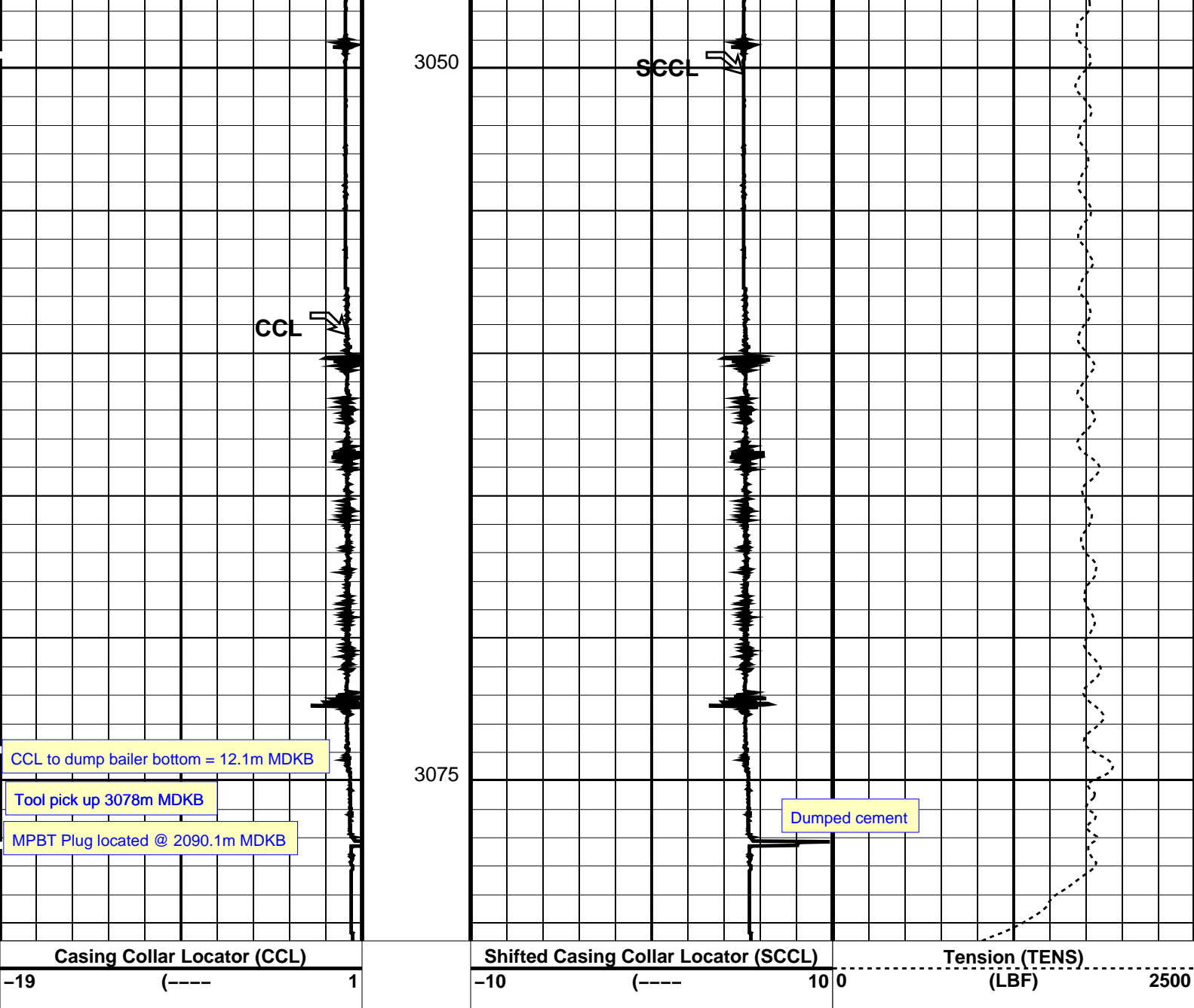
PIP SUMMARY

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 |
| System and Miscellaneous | | |
| DO | Depth Offset for Playback | -0.6 M |
| PP | Playback Processing | NORMAL |

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 25-Dec-2009 10:15

OP System Version: 17C0-154

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

Input DLIS Files

DEFAULT PERFO_099LUP FN:116 PRODUCER 25-Dec-2009 09:38 3081.2 M 2925.0 M

Output DLIS Files

Schlumberger

2-1/8" Dump Bailer
Water Dump Record

MAXIS Field Log

PERFO2 Operational Summary Listing

| Device | Status | Req Depth (M) | Obs Depth (M) | Time Used |
|----------|--------|----------------|----------------|-------------------------|
| Water DB | Used | 3078.0 | 3078.0 | Fri Dec 25 08:07:43 200 |

Input DLIS Files

| | | | | | | |
|---------|--------------|--------|----------|-------------------|----------|----------|
| DEFAULT | PERFO_095LUP | FN:112 | PRODUCER | 25-Dec-2009 08:05 | 3081.4 M | 2923.3 M |
|---------|--------------|--------|----------|-------------------|----------|----------|

Output DLIS Files

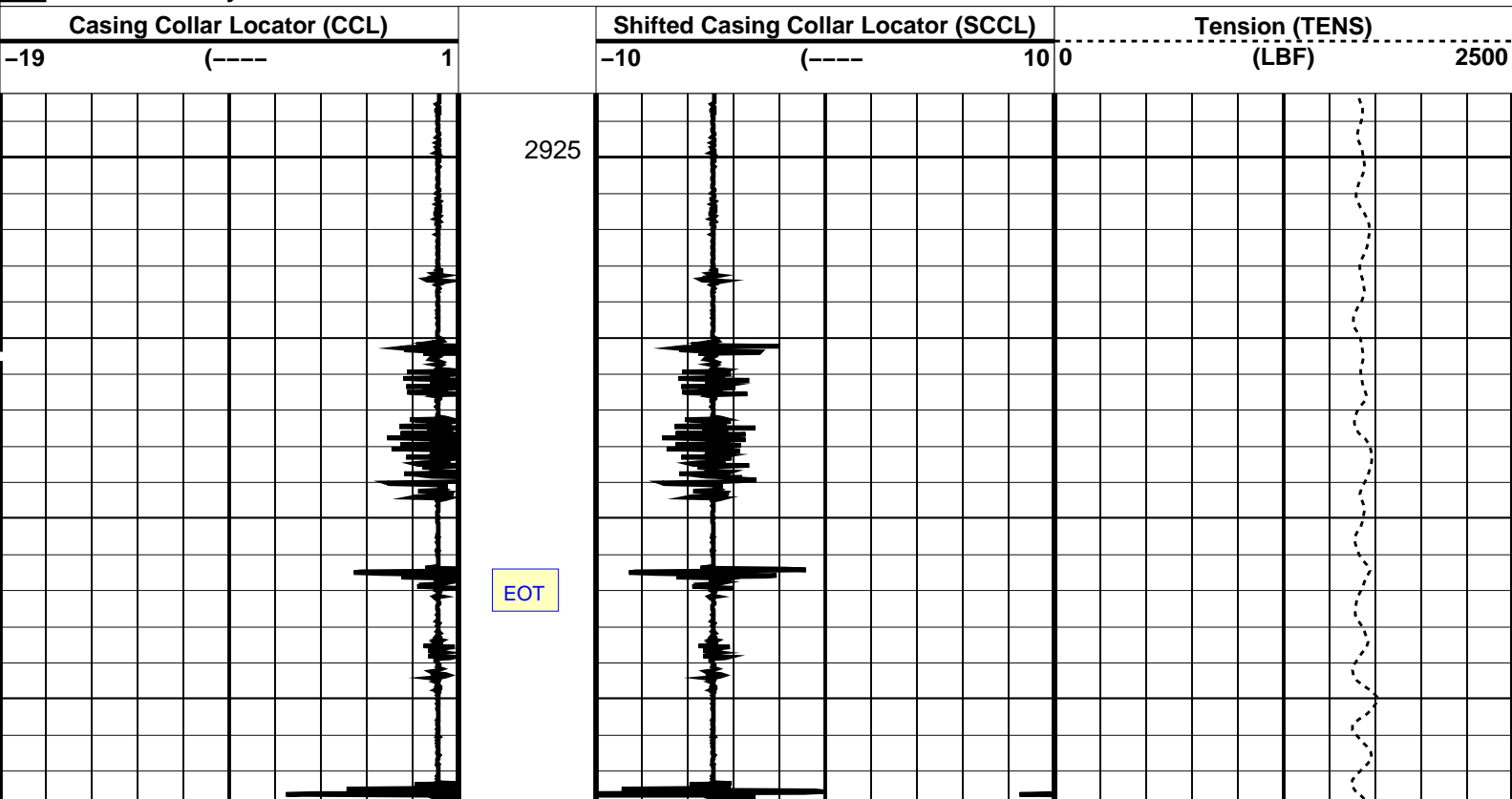
| | | | | | | |
|---------|--------------|--------|----------|-------------------|----------|----------|
| DEFAULT | PERFO_100PUP | FN:117 | PRODUCER | 25-Dec-2009 09:51 | 3081.2 M | 2923.2 M |
|---------|--------------|--------|----------|-------------------|----------|----------|

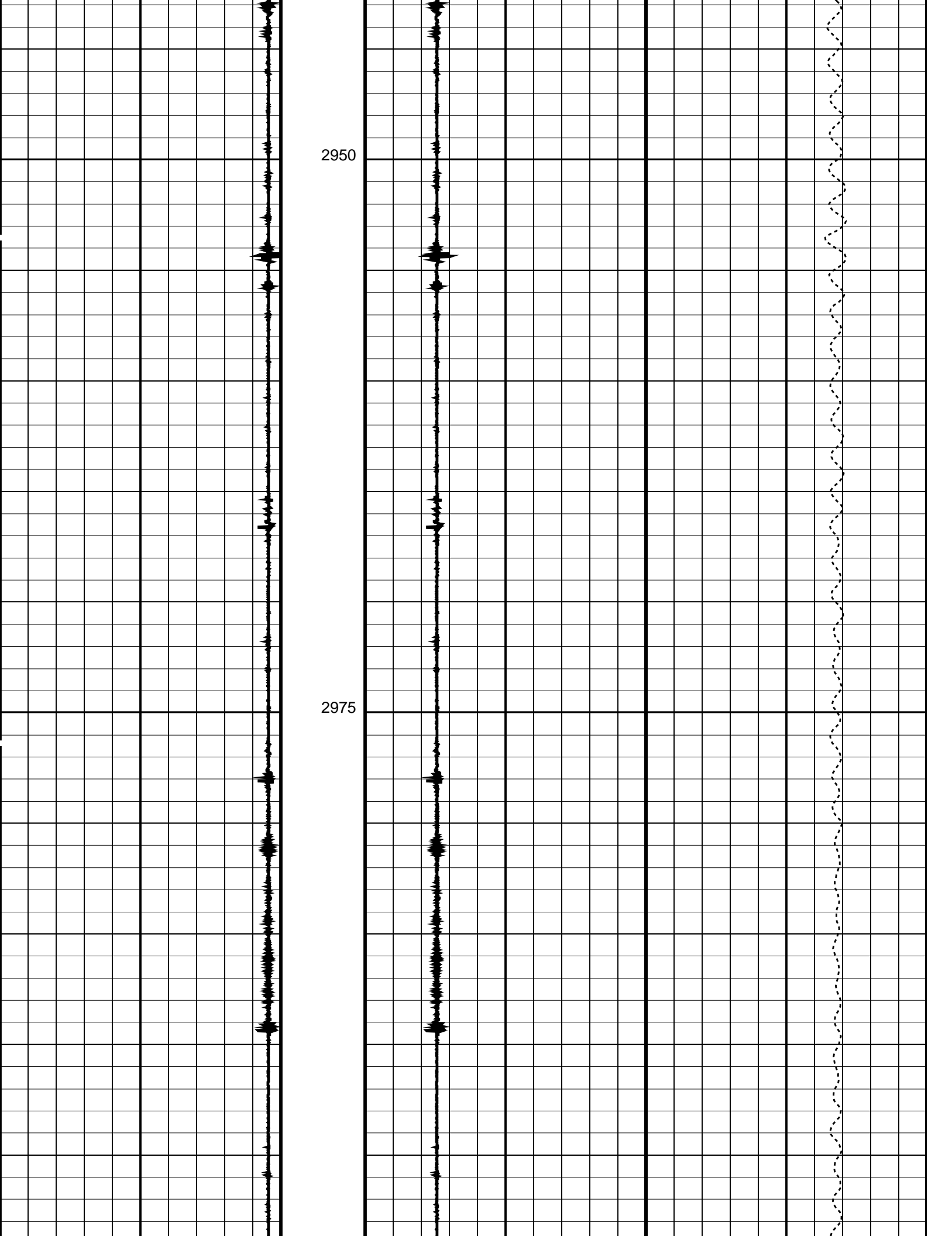
OP System Version: 17C0-154

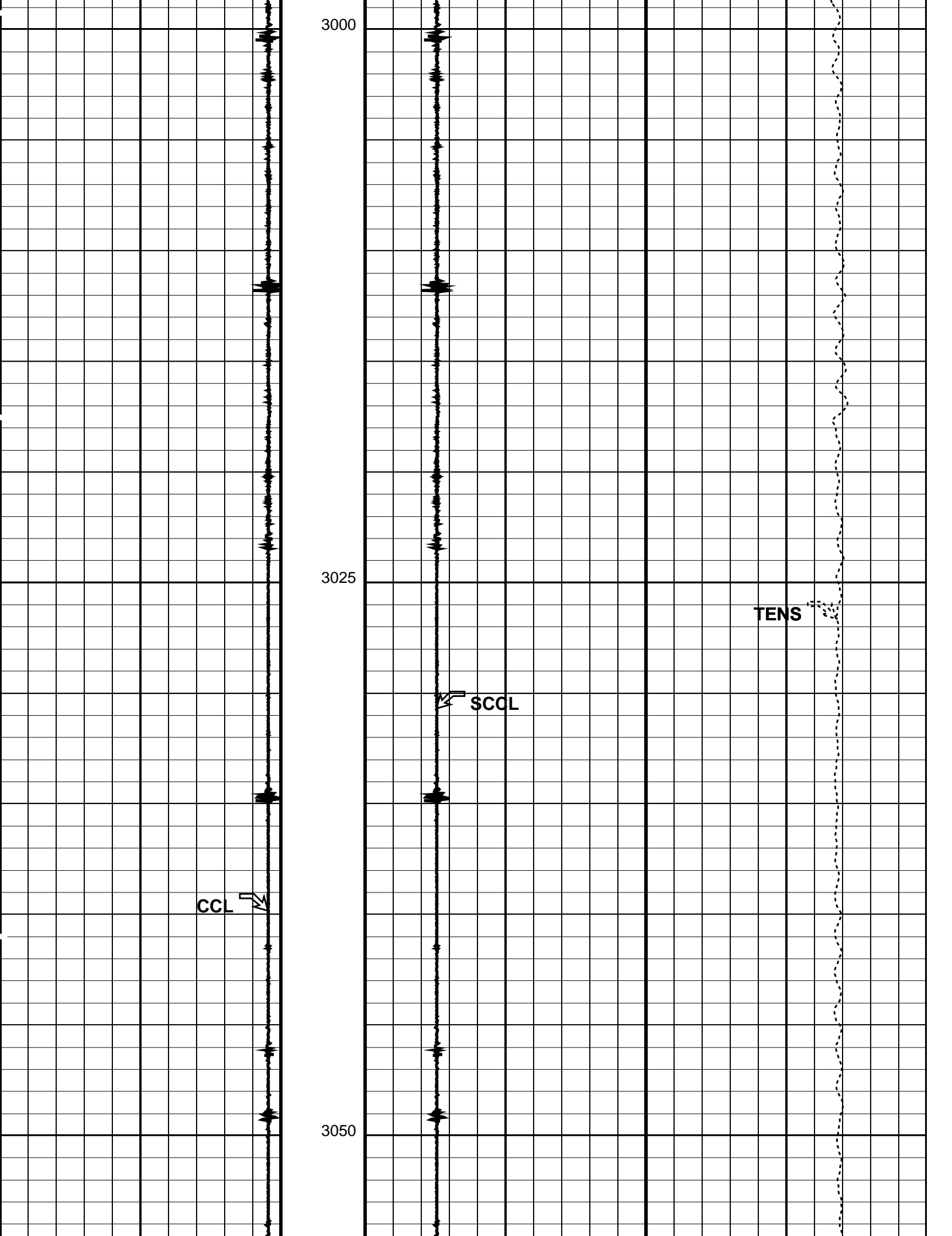
| | | | |
|-------|----------|---------|----------|
| CCL-L | 17C0-154 | SHM_GUN | 17C0-154 |
|-------|----------|---------|----------|

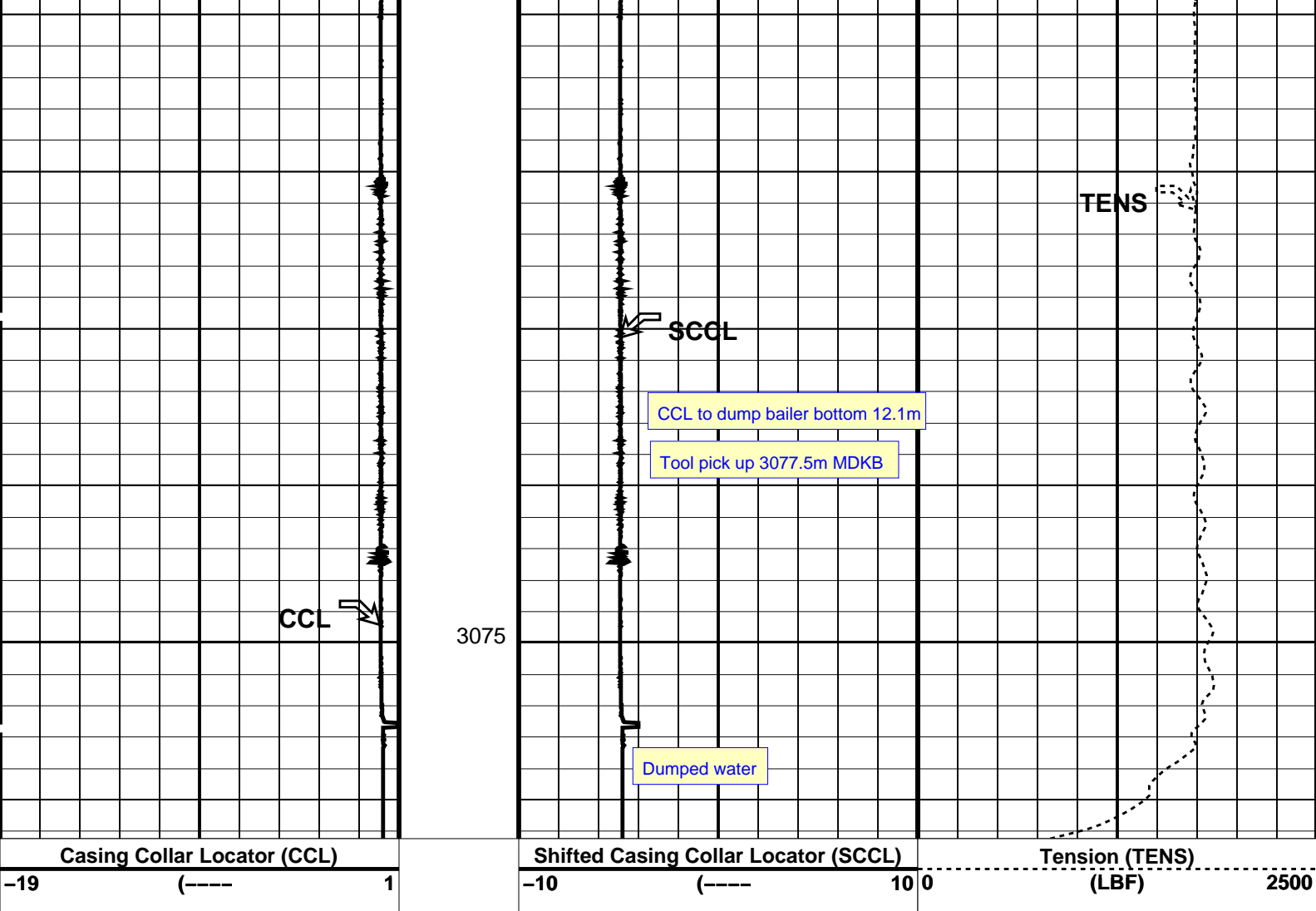
PIP SUMMARY

☒ Time Mark Every 60 S









PIP SUMMARY

Time Mark Every 60 S

Parameters

| DLIS Name | Description | Value |
|-----------|------------------------------|--------|
| CCLD | CCL-L: Casing Collar Locator | 12 IN |
| CCLT | CCL reset delay | 0.3 V |
| | CCL Detection Level | |
| DO | System and Miscellaneous | |
| PP | Depth Offset for Playback | -0.2 M |
| | Playback Processing | NORMAL |

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 25-Dec-2009 09:51

OP System Version: 17C0-154

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

Input DLIS Files

DEFAULT PERFO_095LUP FN:112 PRODUCER 25-Dec-2009 08:05 3081.4 M 2923.3 M

Output DLIS Files

DEFAULT PERFO_100PUP FN:117 PRODUCER 25-Dec-2009 09:51

Output DLIS Files

DEFAULT

CCL_082LUP

FN:100

PRODUCER

24-Dec-2009 16:03

OP System Version: 17C0-154

MPEX-CA
CCL-L17C0-154
17C0-154

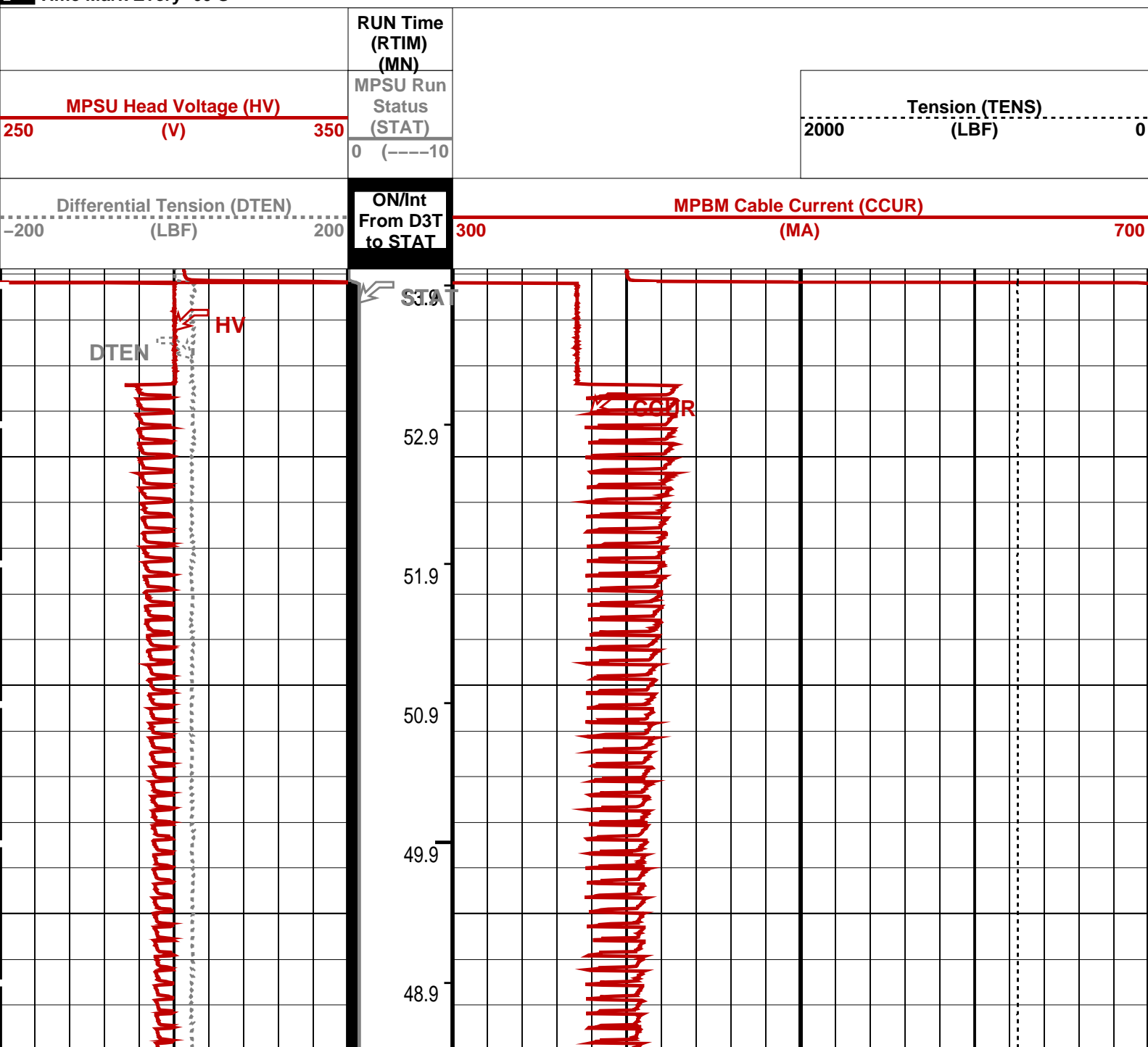
MPSU-CB

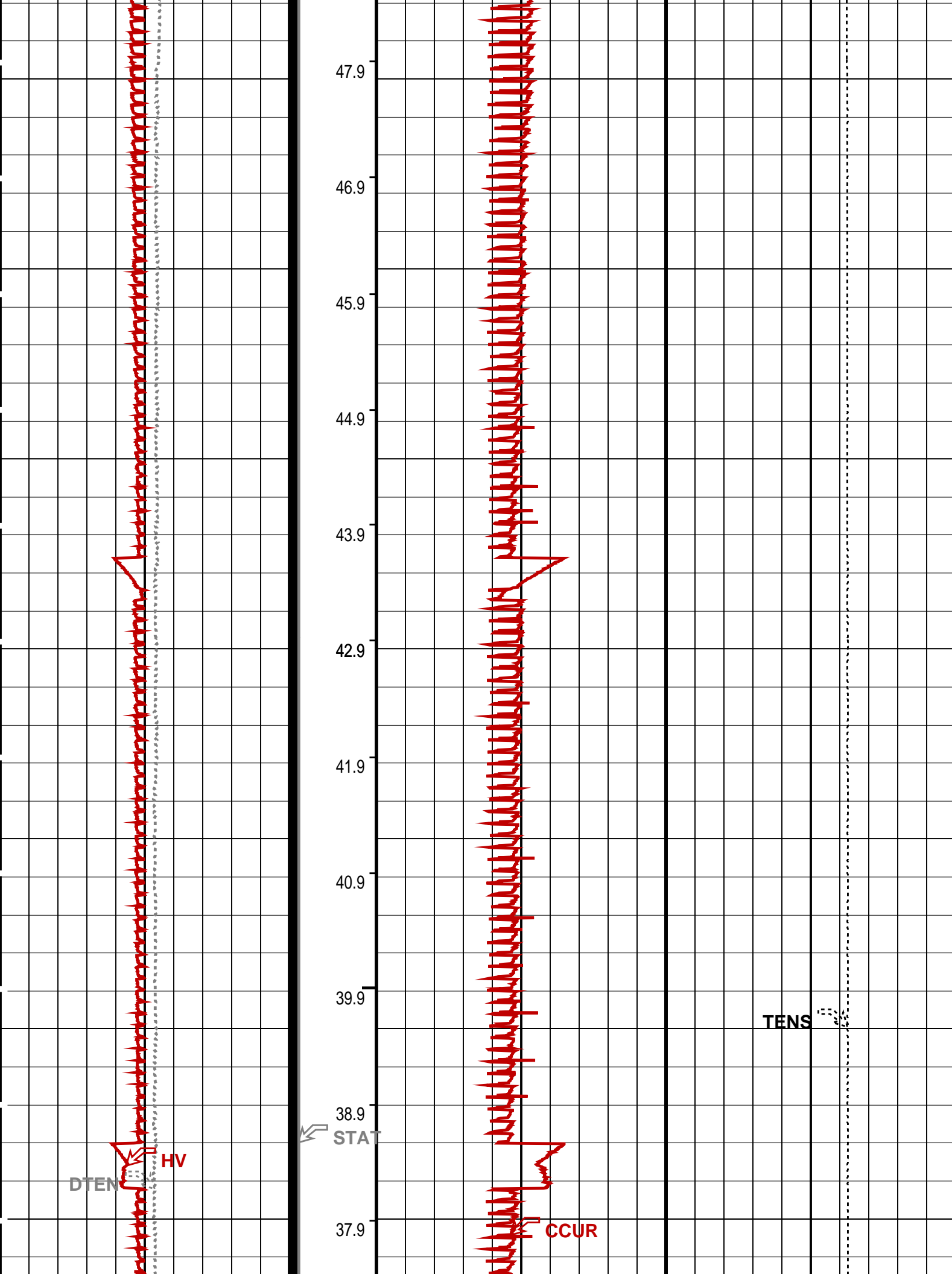
17C0-154

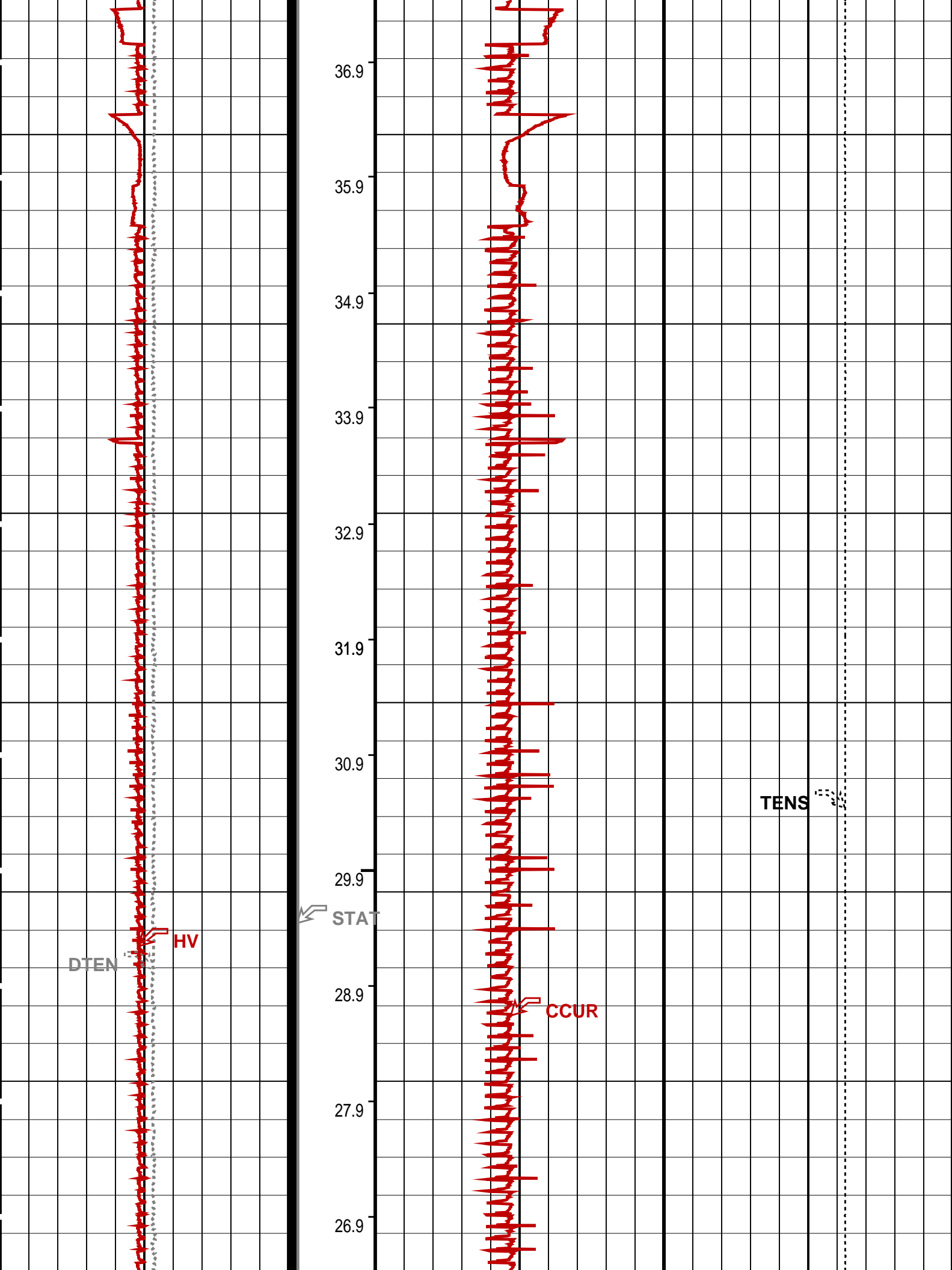
PIP SUMMARY

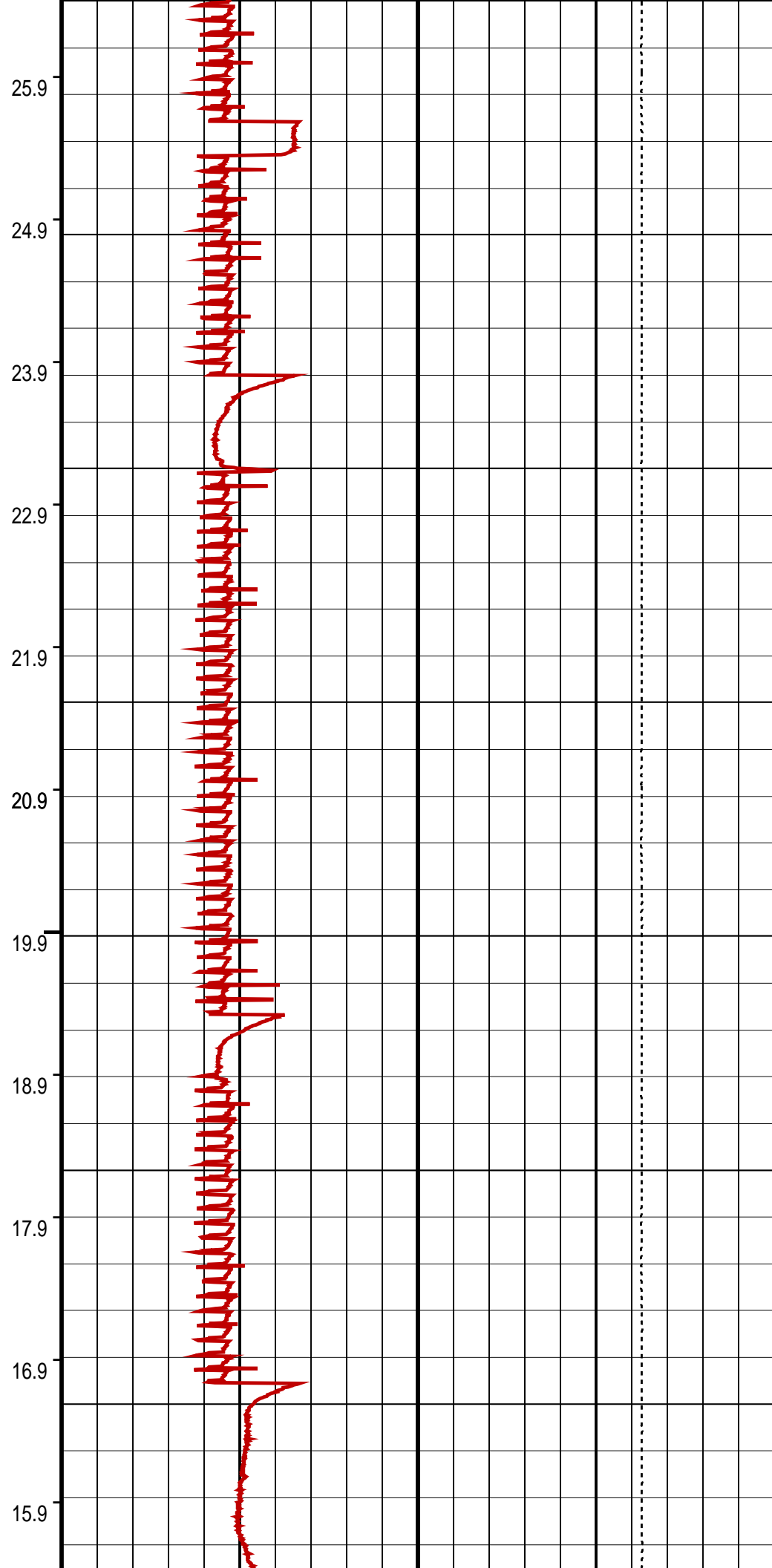
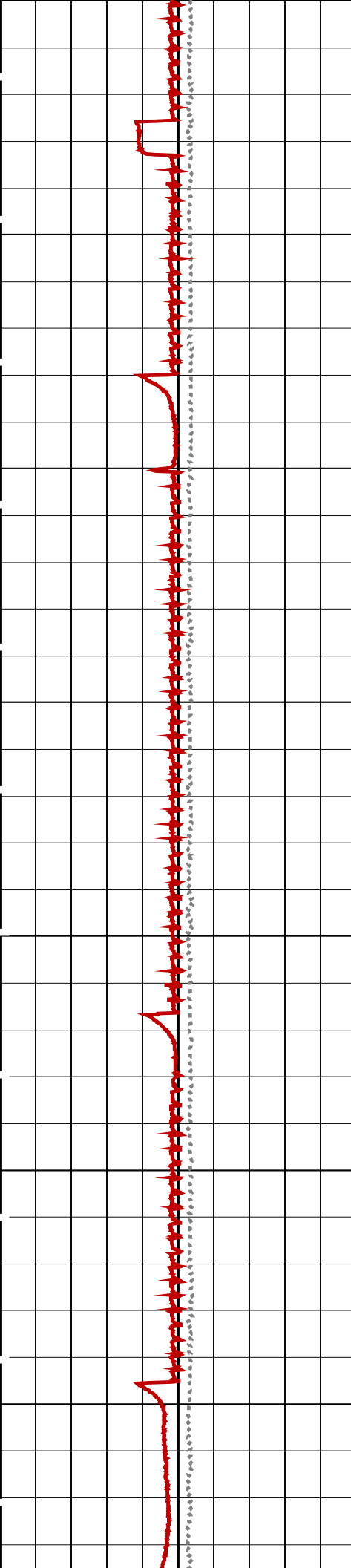
- MPSU Run Time Every 1 MN
- MPSU Run Time Every 10 MN

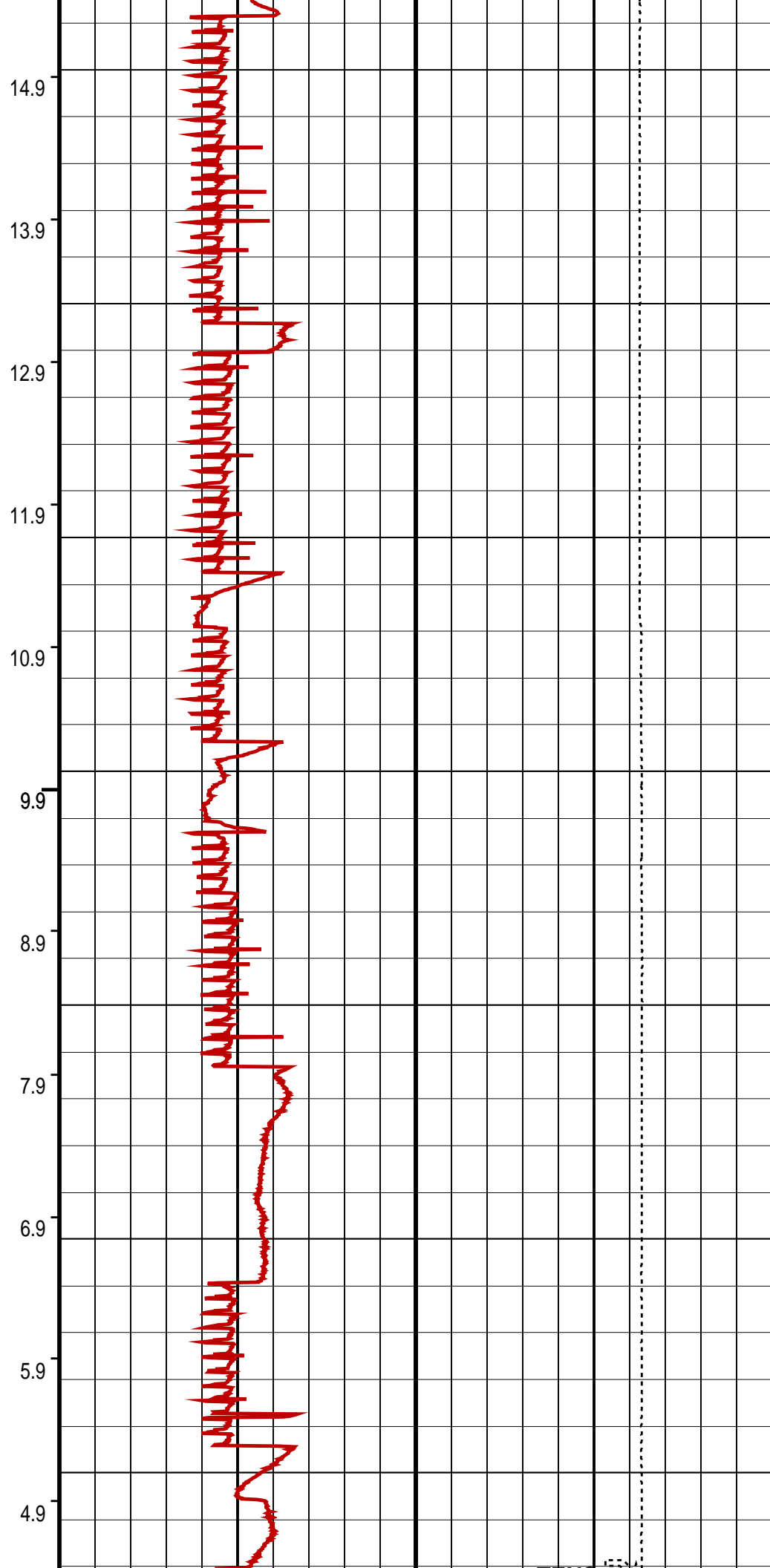
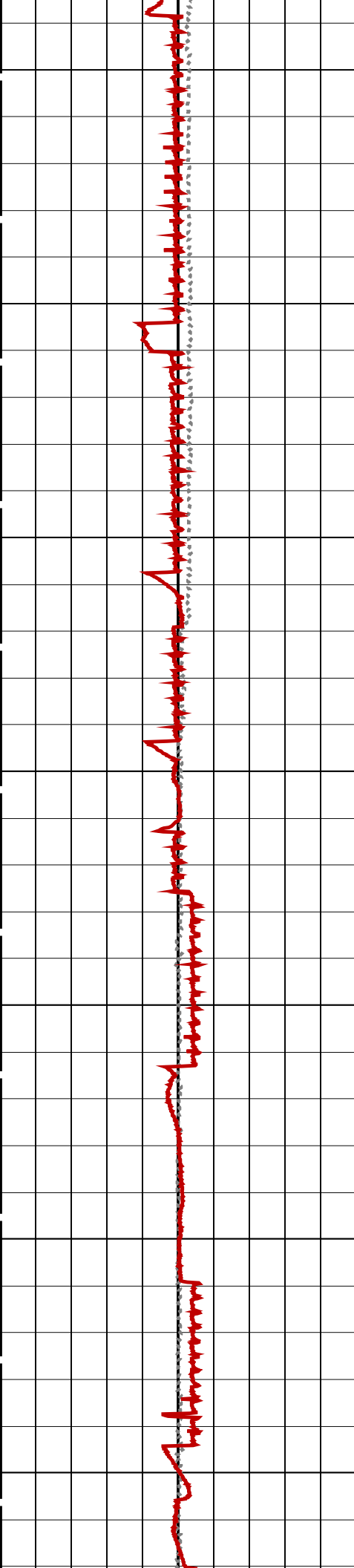
Time Mark Every 60 S

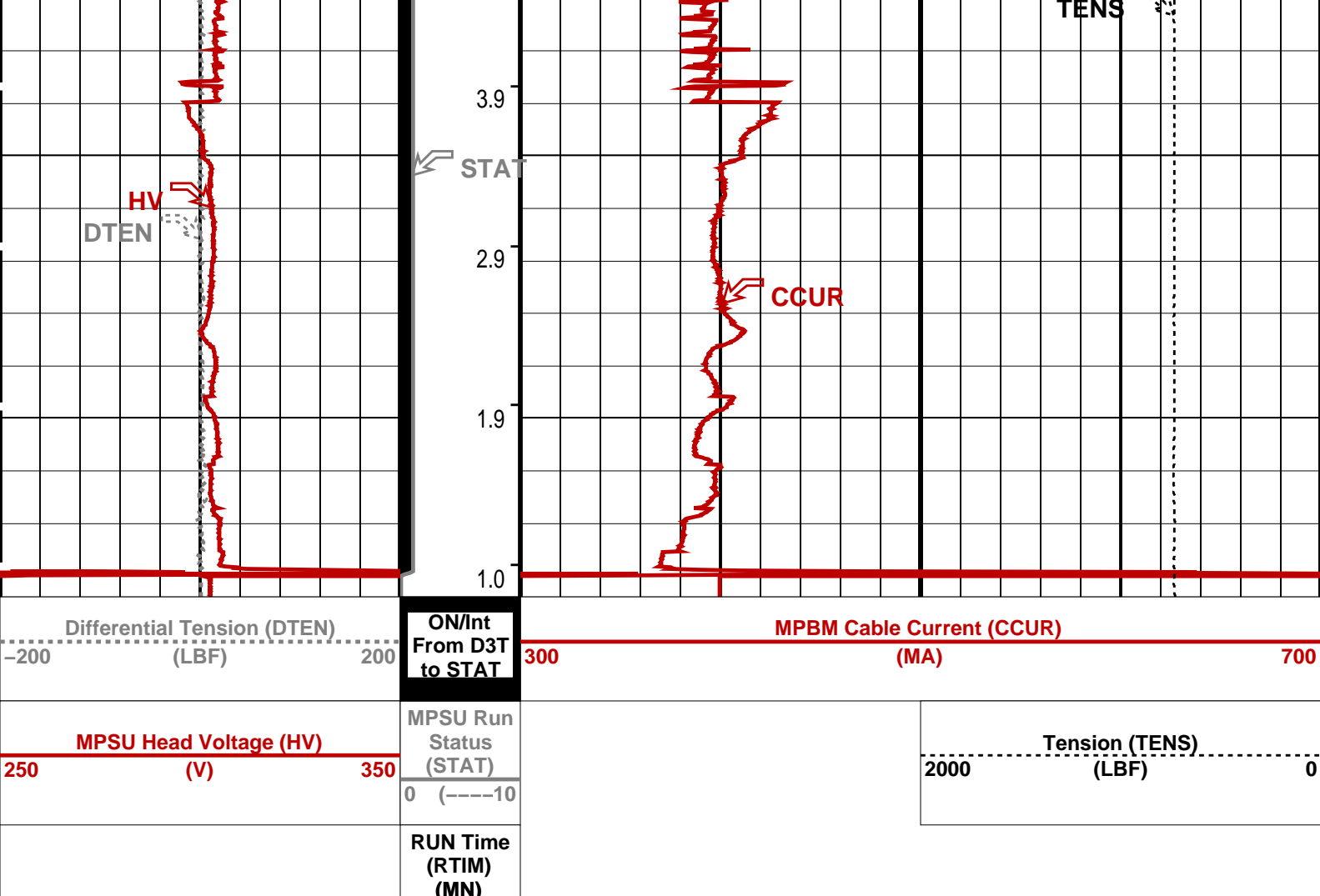












PIP SUMMARY

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

Time Mark Every 60 S

Parameters

| DLIS Name | Description | Value |
|---|------------------|-------|
| MPSU-CB: MECHANICAL PLUGBACK SETTING UNIT | | |
| IPUMP | Intensifier Pump | FALSE |

Format: MPBT Vertical Scale: 1:600 Graphics File Created: 24-Dec-2009 16:03

OP System Version: 17C0-154

| | | | |
|---------|----------|---------|----------|
| MPEX-CA | 17C0-154 | MPSU-CB | 17C0-154 |
| CCL-L | 17C0-154 | | |

Output DLIS Files

| | | | | |
|---------|------------|--------|----------|-------------------|
| DEFAULT | CCL_082LUP | FN:100 | PRODUCER | 24-Dec-2009 16:03 |
|---------|------------|--------|----------|-------------------|

Schlumberger

**7" MPBT Posiset Plug
Correlation Pass**

Input DLIS Files

DEFAULT Flip_CCL_085LUP PRODUCER 24-Dec-2009 17:04 3082.7 M 2900.8 M

Output DLIS Files

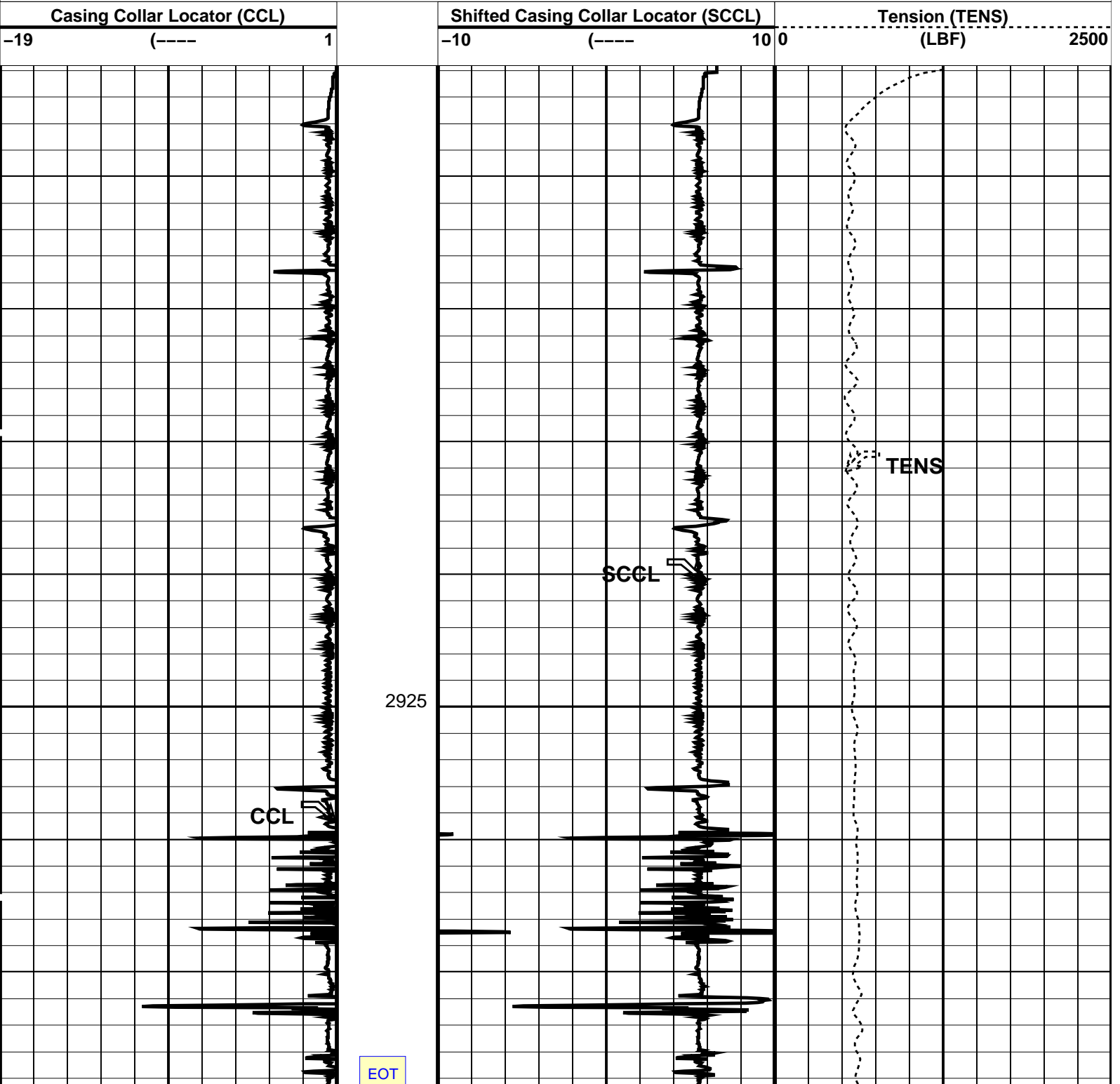
DEFAULT CCL_086PUP FN:103 PRODUCER 24-Dec-2009 17:05 3082.7 M 2900.8 M

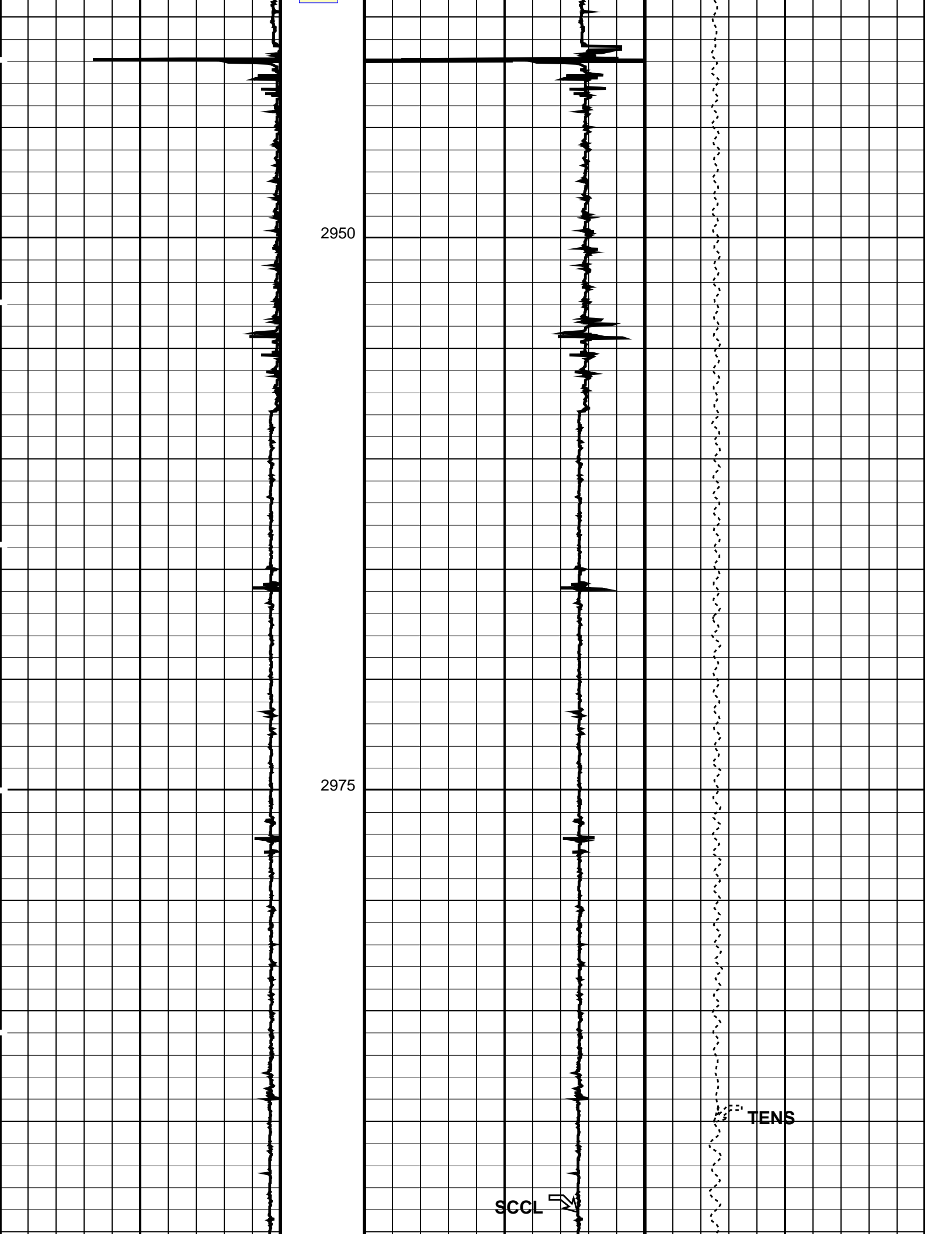
OP System Version: 17C0-154

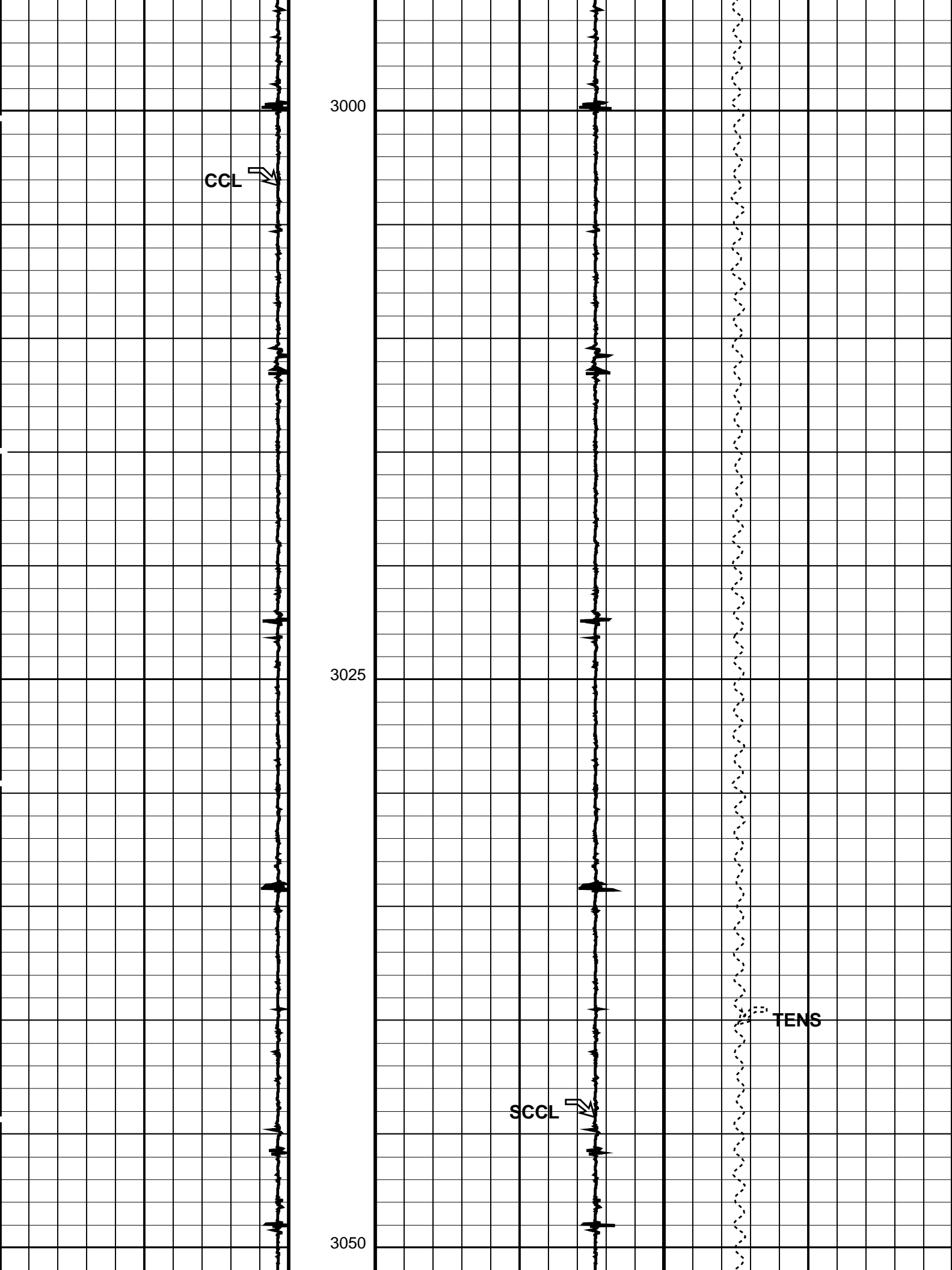
MPEX-CA 17C0-154 MPSU-CB 17C0-154
CCL-L 17C0-154

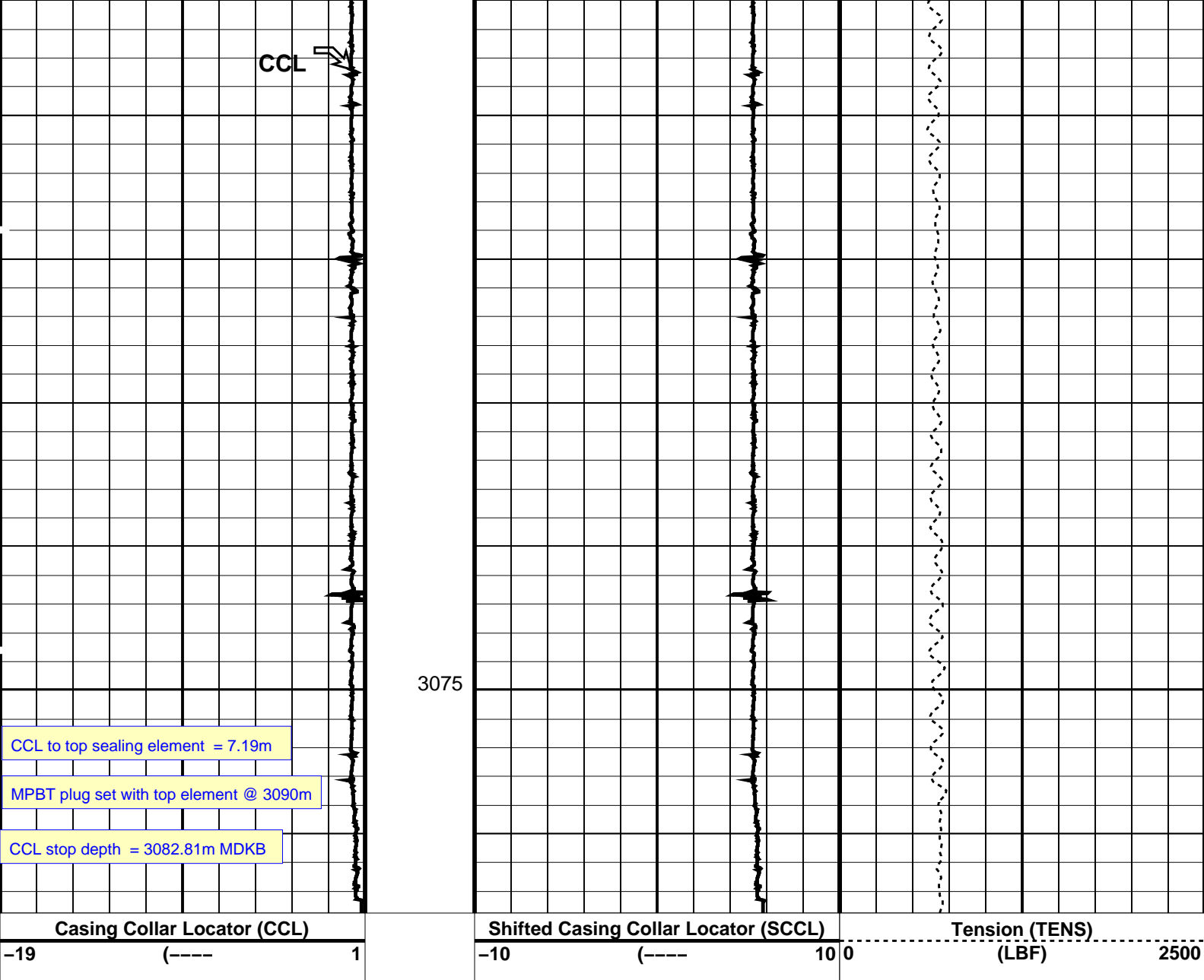
PIP SUMMARY

Time Mark Every 60 S









PIP SUMMARY

Time Mark Every 60 S

| Parameters | | | |
|------------|------------------------------|--------|----|
| DLIS Name | Description | Value | |
| CCLD | CCL-L: Casing Collar Locator | 12 | IN |
| CCLT | CCL reset delay | 0.3 | V |
| | CCL Detection Level | | |
| | System and Miscellaneous | | |
| DO | Depth Offset for Playback | 0.0 | M |
| PP | Playback Processing | NORMAL | |

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 24-Dec-2009 17:05

| OP System Version: 17C0-154 | | | |
|-----------------------------|----------|---------|----------|
| MPEX-CA | 17C0-154 | MPSU-CB | 17C0-154 |
| CCL-L | 17C0-154 | | |

| Input DLIS Files | | | | | |
|-------------------|-----------------|----------|-------------------|-------------------|----------|
| DEFAULT | Flip_CCL_085LUP | PRODUCER | 24-Dec-2009 17:04 | 3082.7 M | 2900.8 M |
| Output DLIS Files | | | | | |
| DEFAULT | CCL_086PUP | FN:103 | PRODUCER | 24-Dec-2009 17:05 | |



2-1/8" Dummy Plug Depth Determination

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-6L

Input DLIS Files

| | | | | | | |
|---------|--------------|-------|----------|-------------------|----------|----------|
| DEFAULT | PERFO_068LUP | FN:86 | PRODUCER | 24-Dec-2009 13:08 | 3105.9 M | 2908.2 M |
|---------|--------------|-------|----------|-------------------|----------|----------|

Output DLIS Files

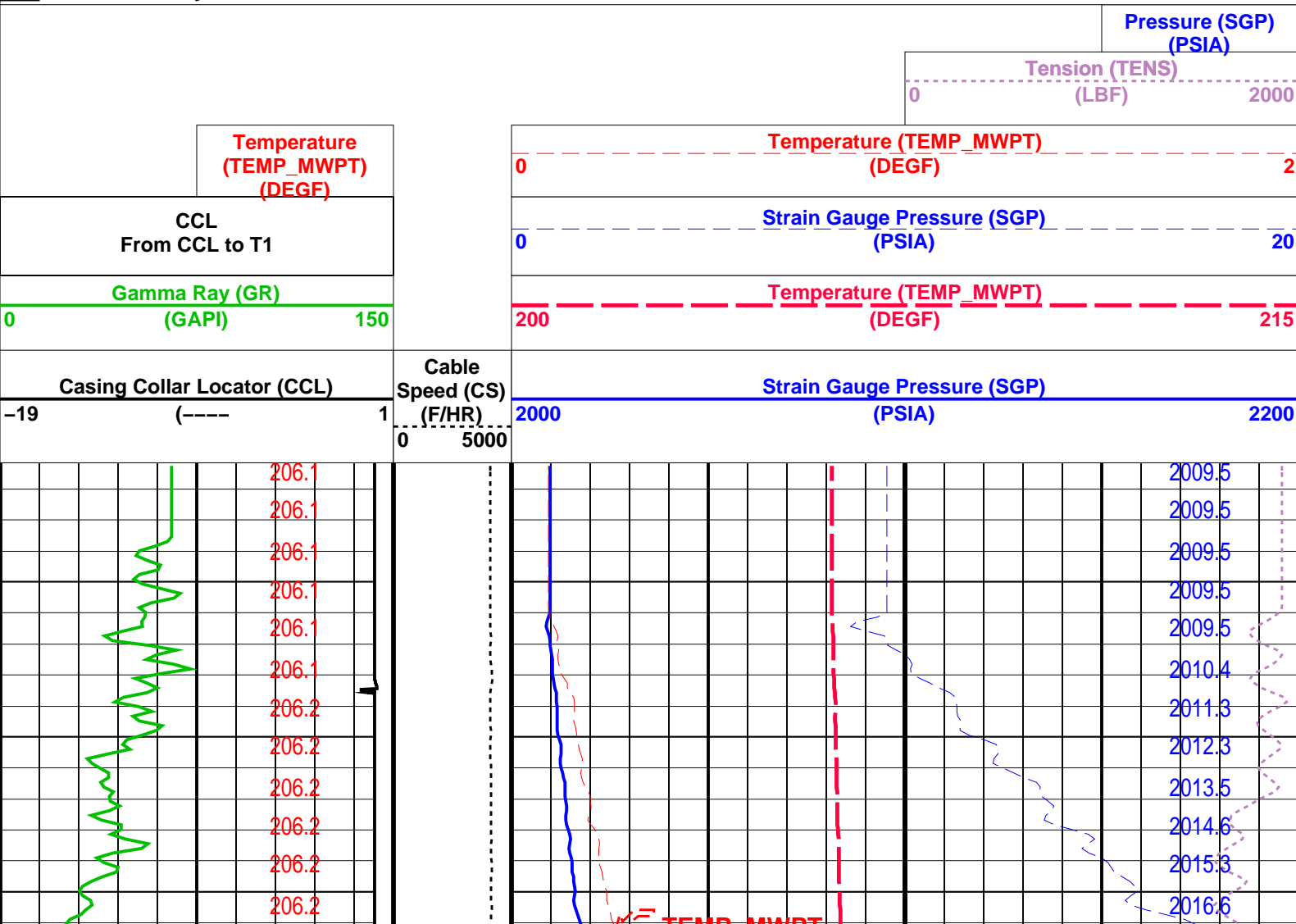
| | | | | | | |
|---------|--------------|-------|----------|-------------------|----------|----------|
| DEFAULT | PERFO_073PUP | FN:91 | PRODUCER | 24-Dec-2009 13:46 | 3101.2 M | 2901.1 M |
|---------|--------------|-------|----------|-------------------|----------|----------|

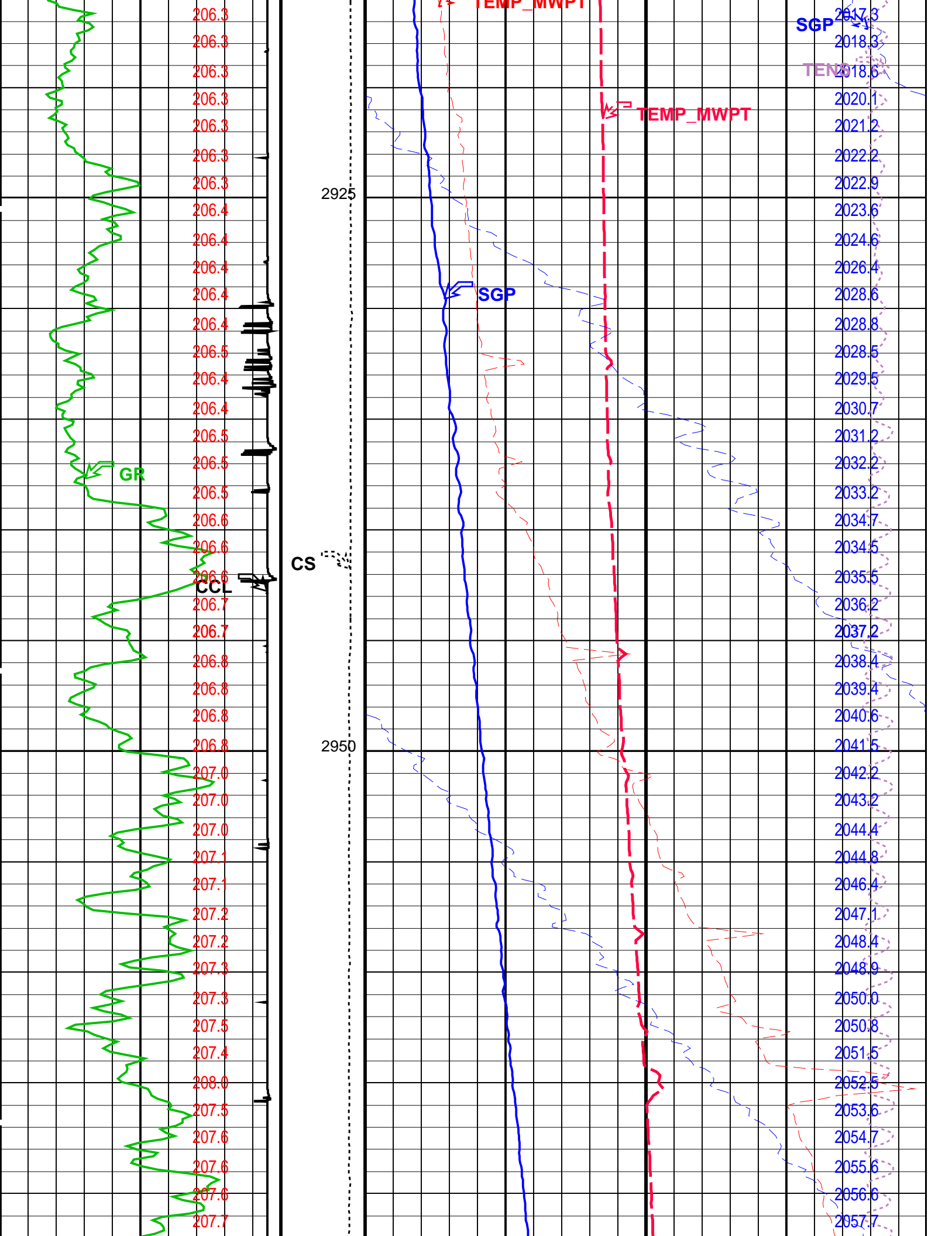
OP System Version: 17C0-154

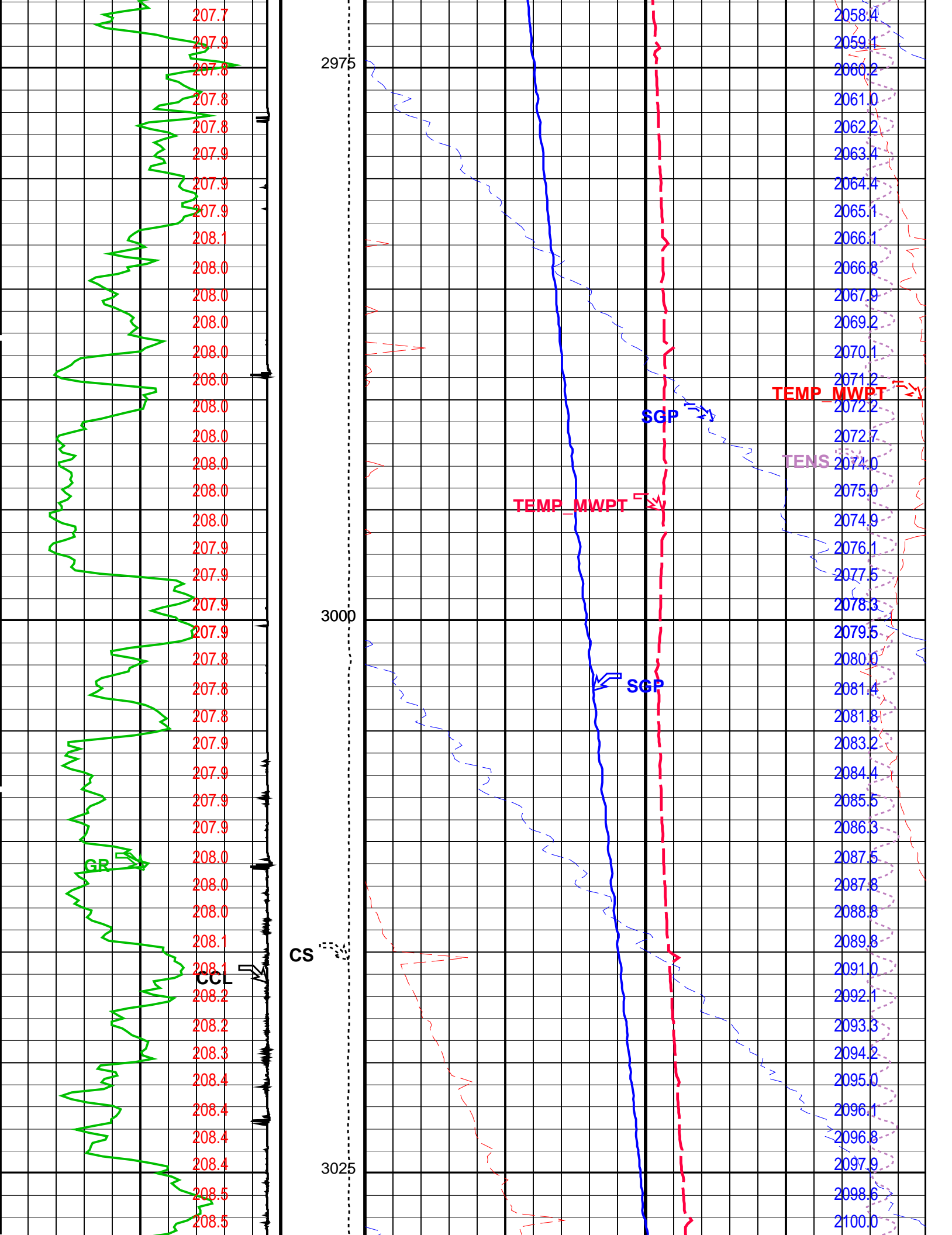
| | | | |
|---------|----------|---------|----------|
| MWP_GUN | 17C0-154 | MWPT-CA | 17C0-154 |
| MWGT-AA | 17C0-154 | | |

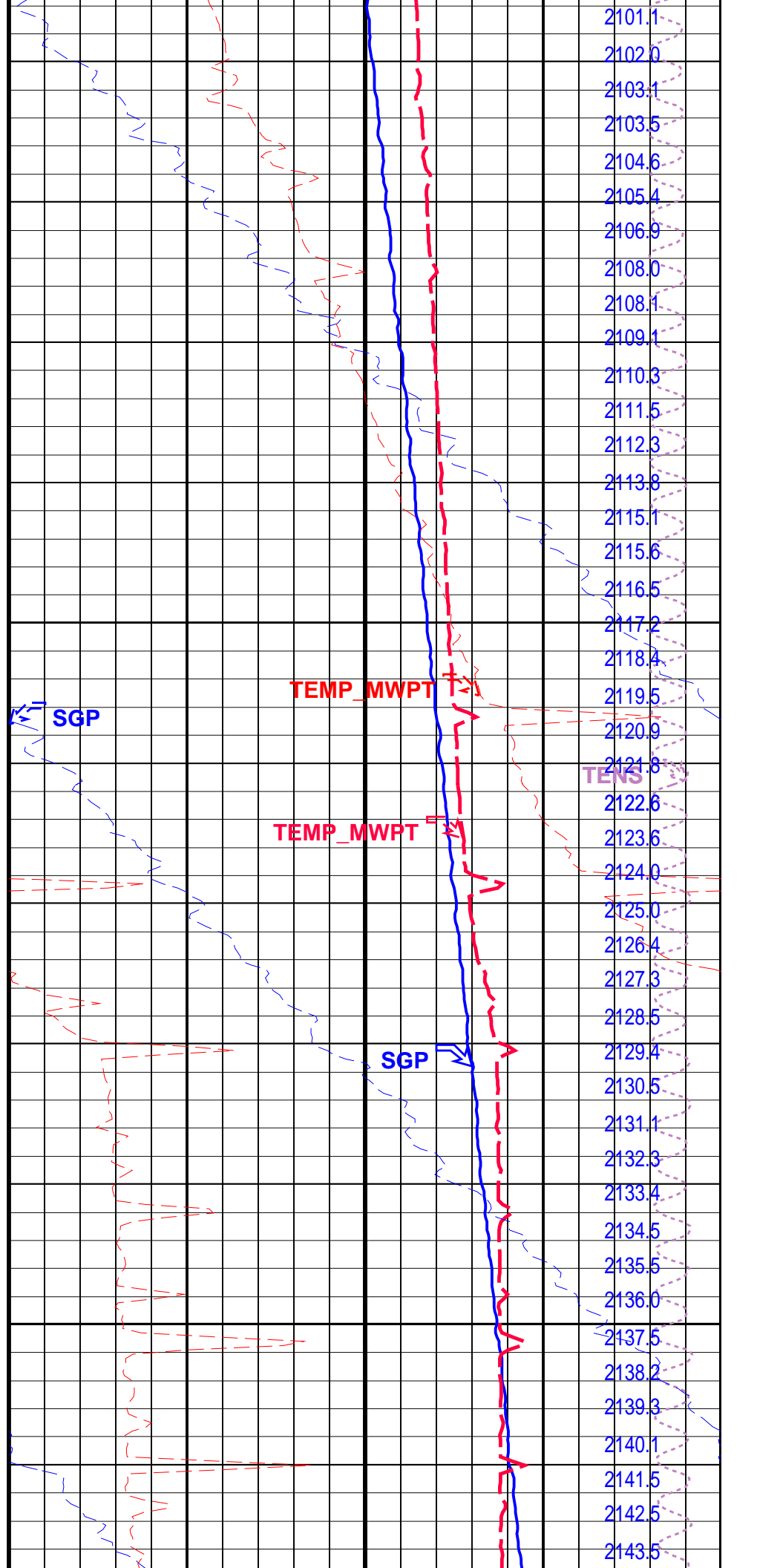
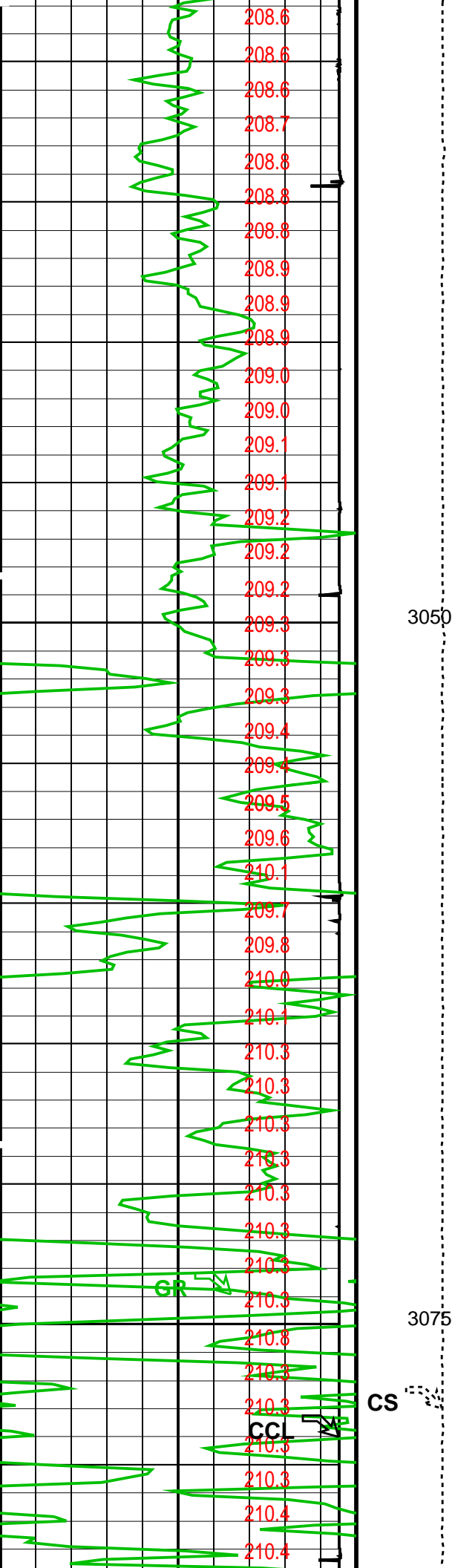
PIP SUMMARY

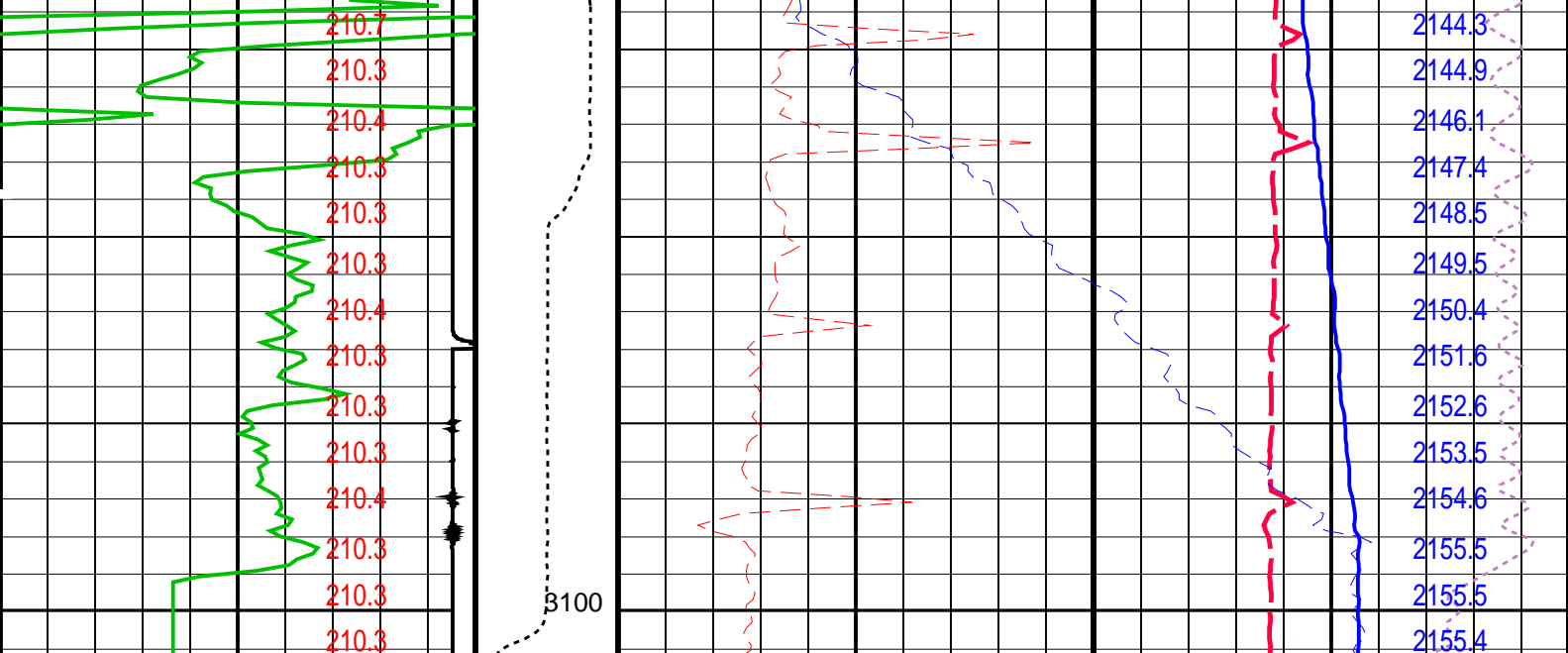
Time Mark Every 60 S











| | | | | |
|--------------------------------------|-------|-------------------------------|-----------------------------|------|
| Casing Collar Locator (CCL) | | Cable Speed (CS) (F/HR) | Strain Gauge Pressure (SGP) | |
| -19 | (---- | | 2000 | 2200 |
| Gamma Ray (GR) | | 0 | Temperature (TEMP_MWPT) | |
| (GAPI) | | | 200 | 215 |
| CCL From CCL to T1 | | | Strain Gauge Pressure (SGP) | |
| | | | 0 | 20 |
| Temperature (TEMP_MWPT) (DEGF) | | | Temperature (TEMP_MWPT) | |
| | | | 0 | 2 |
| | | | Tension (TENS) | |
| | | | 0 | 2000 |
| | | | Pressure (SGP) | |
| | | | (PSIA) | |

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 | -4.8 M |
| PP | Playback Processing | NORMAL |

Format: MWP Vertical Scale: 1:200 Graphics File Created: 24-Dec-2009 13:46

| OP System Version: 17C0-154 | | | |
|-----------------------------|----------|---------|----------|
| MWP_GUN | 17C0-154 | MWPT-CA | 17C0-154 |
| MWGT-AA | 17C0-154 | | |

| Input DLIS Files | | | | | | |
|-------------------|--------------|-------|----------|-------------------|----------|----------|
| DEFAULT | PERFO_068LUP | FN:86 | PRODUCER | 24-Dec-2009 13:08 | 3105.9 M | 2908.2 M |
| Output DLIS Files | | | | | | |
| DEFAULT | PERFO_073PUP | FN:91 | PRODUCER | 24-Dec-2009 13:46 | | |

MWPT – 2" HSD with PowerJet Shooting Pass

MAXIS Field Log

PERFO2 Operational Summary Listing

| Device | Status | Req Depth (M) | Obs Depth (M) | Time Used |
|--------|--------|----------------|----------------|-------------------------|
| GUN1 | Used | 3062.0 | 3062.0 | Thu Dec 24 10:02:07 200 |

Company: Esso Australia Pty Ltd.

Well: A-6L

Output DLIS Files

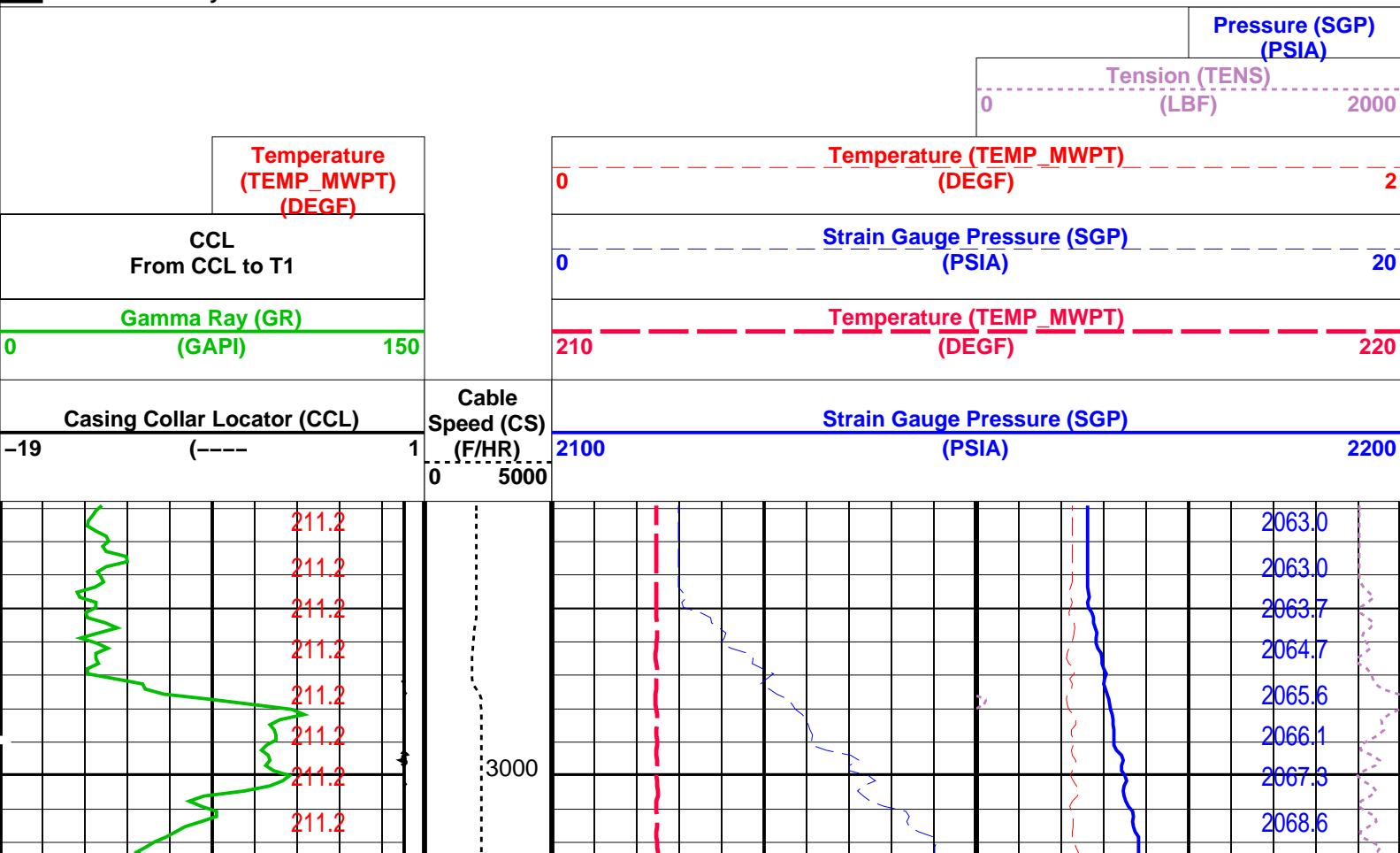
DEFAULT PERFO_056LUP FN:74 PRODUCER 24-Dec-2009 09:56

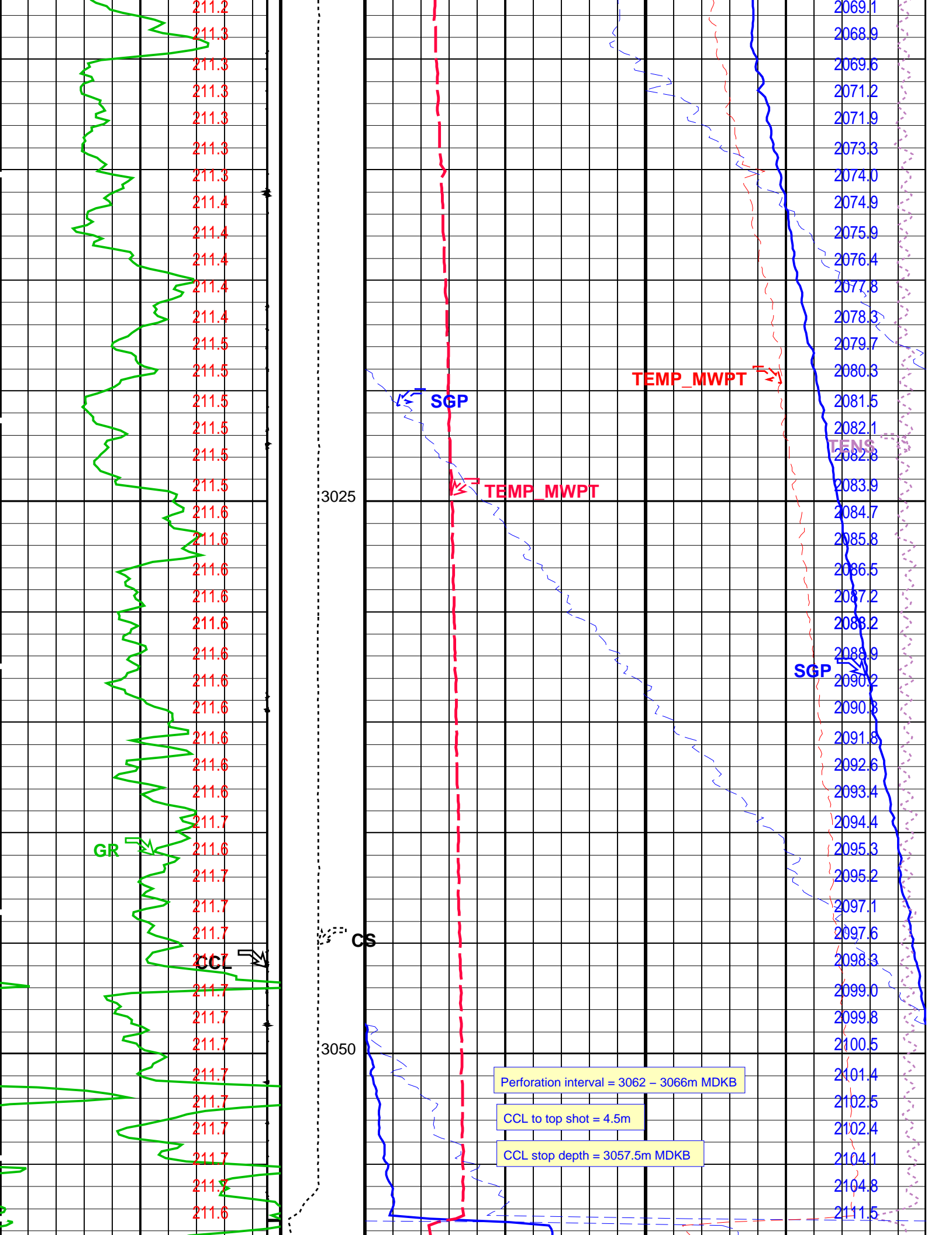
OP System Version: 17C0-154

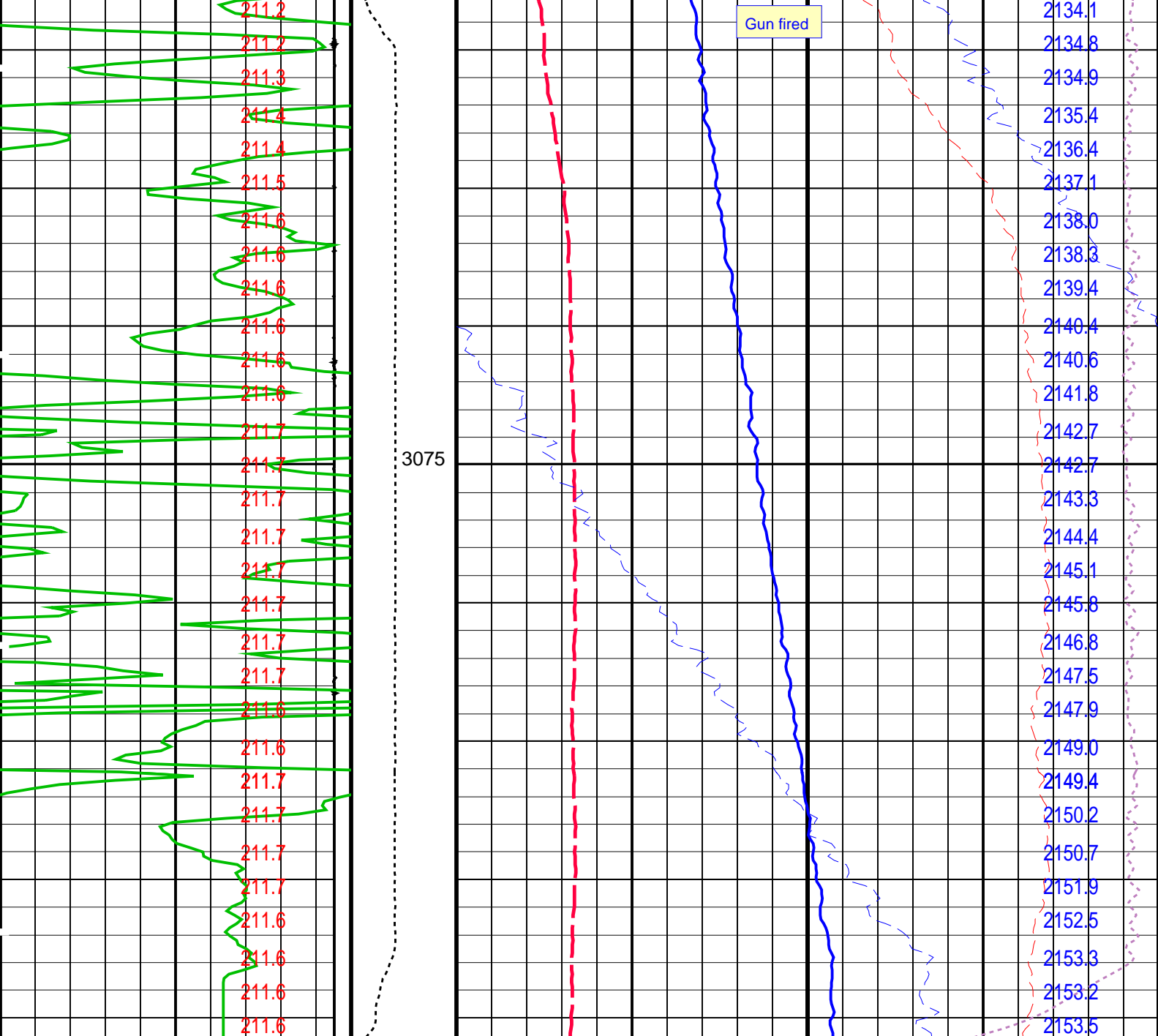
| | | | |
|---------|----------|---------|----------|
| MWP_GUN | 17C0-154 | MWPT-CA | 17C0-154 |
| MWGT-AA | 17C0-154 | | |

PIP SUMMARY

Time Mark Every 60 S







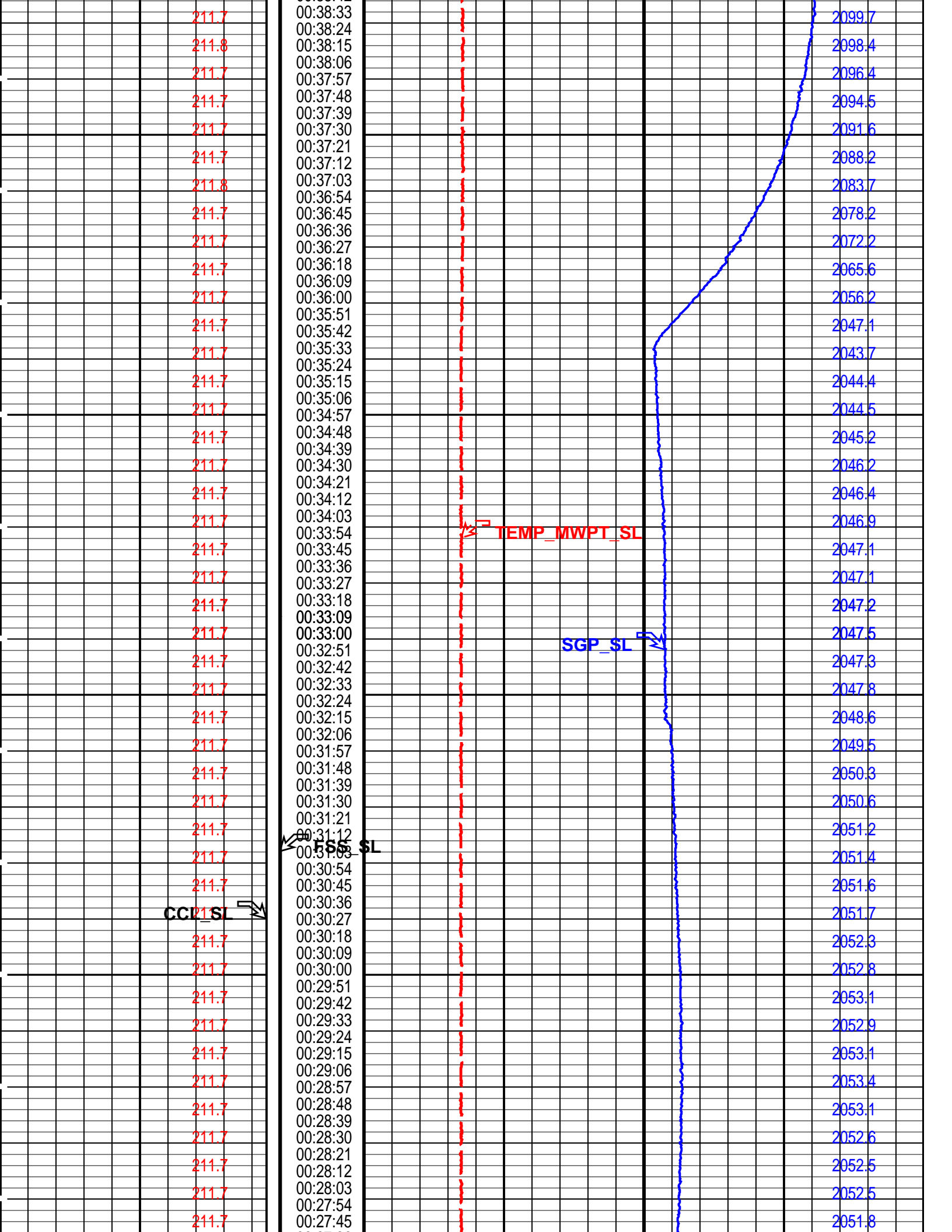
| | | | | |
|--------------------------------------|------------|-------------------------------|-----------------------------|------|
| Casing Collar Locator (CCL) | | Cable Speed (CS) (F/HR) | Strain Gauge Pressure (SGP) | |
| -19 | (---- | | 2100 | 2200 |
| Gamma Ray (GR) | | | Temperature (TEMP_MWPT) | |
| 0 | (GAPI) 150 | | 210 | 220 |
| CCL From CCL to T1 | | | Strain Gauge Pressure (SGP) | |
| Temperature (TEMP_MWPT) (DEGF) | | | 0 | 20 |
| | | | Temperature (TEMP_MWPT) | |
| | | | 0 | 2 |
| | | | Tension (TENS) | |
| | | | 0 | 2000 |
| | | | Pressure (SGP) (PSIA) | |

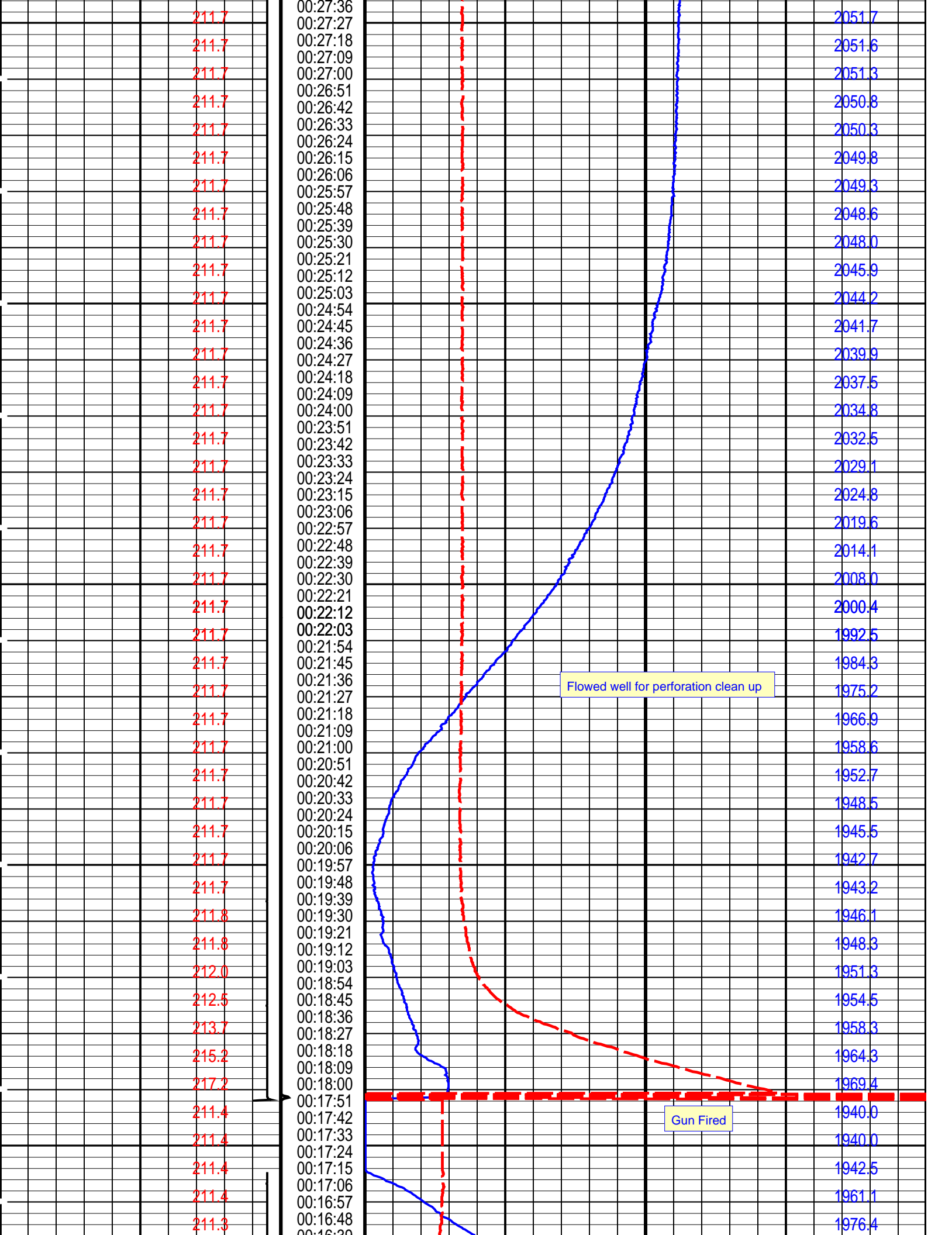
Time Mark Every 60 S

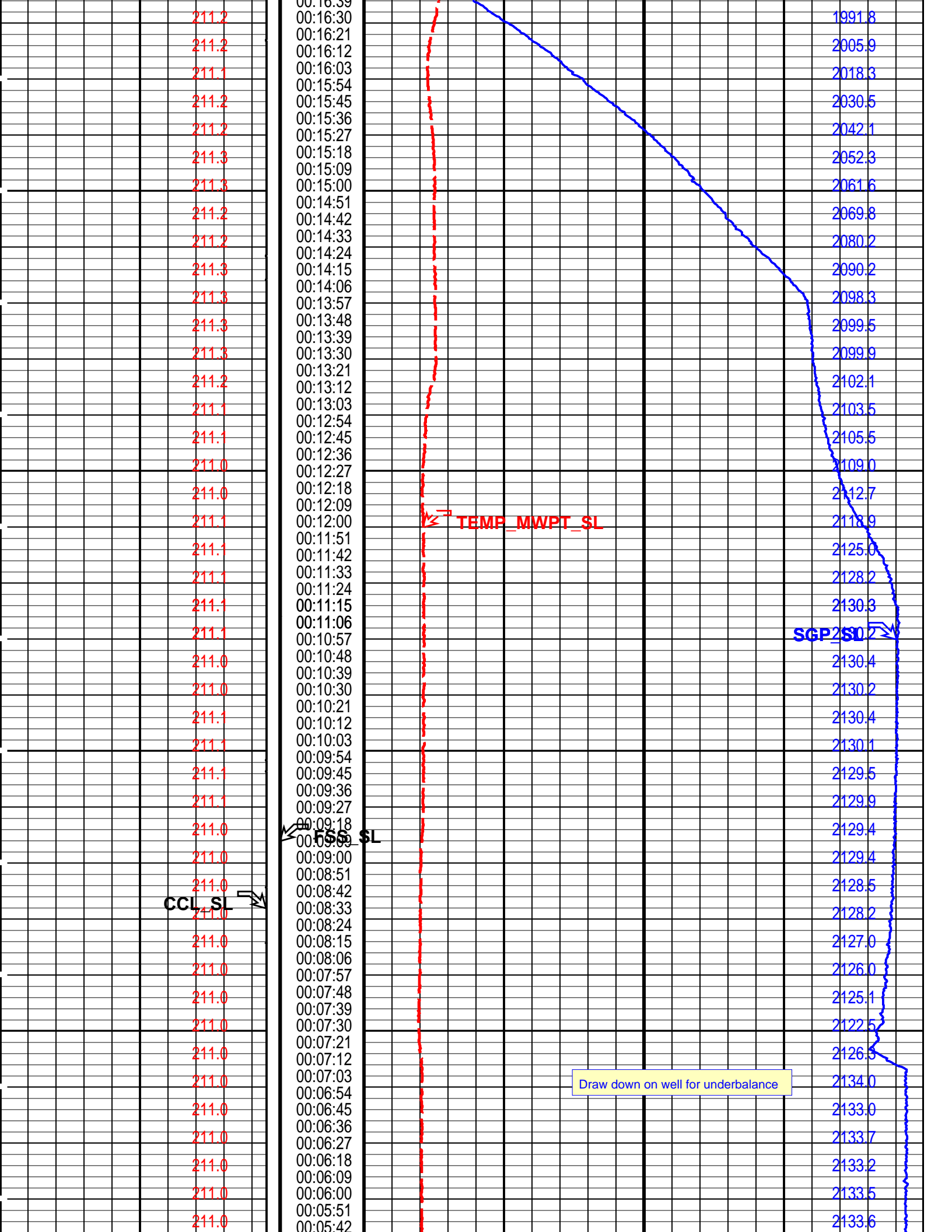
PIP SUMMARY

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: 24-Dec-2009 09:56 | |
| OP System Version: 17C0-154 | | | | | |
| MWP_GUN | 17C0-154 | MWPT-CA | 17C0-154 | | |
| MWGT-AA | 17C0-154 | | | | |
| Output DLIS Files | | | | | |
| DEFAULT | PERFO_056LUP | FN:74 | PRODUCER | 24-Dec-2009 09:56 | |
| | | | | | |
| <div><div>Schlumberger</div><div>MWPT – 2" HSD with PowerJet Station Log</div><div>MAXIS Field Log</div></div> | | | | | |
| | | | | | |
| Company: Esso Australia Pty Ltd. Well: A-6L | | | | | |
| Input DLIS Files | | | | | |
| DEFAULT | PERFO_058LTP | FN:76 | PRODUCER | 24-Dec-2009 10:03 | 3057.5 M |
| Output DLIS Files | | | | | |
| DEFAULT | PERFO_061PTP | FN:79 | PRODUCER | 24-Dec-2009 11:11 | 3057.5 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) (----) | Temperature (TEMP_MWPT_SL) (DEGF) | | |
| | | 0 1024 | 210 ----- 220 | | |
| Casing Collar Locator (CCL_SL) | | Elapsed Time (ETIM) (S) | Strain Gauge Pressure (SGP_SL) (PSIA) | | |
| -19 (----) 1 | | | 1940 ----- 2140 | | |
| | 211.7 | 00:39:36 | | | 2103.9 |
| | 211.8 | 00:39:27 | | | 2103.7 |
| | 211.8 | 00:39:18 | | | 2102.6 |
| | 211.8 | 00:39:09 | | | 2101.7 |
| | 211.8 | 00:39:00 | | | |
| | 211.8 | 00:38:51 | | | |
| | 211.8 | 00:38:42 | | | |







Input DLIS Files

DEFAULT PERFO_058LTP FN:76 PRODUCER 24-Dec-2009 10:03 3057.5 M

Output DLIS Files

DEFAULT PERFO_061PTP FN:79 PRODUCER 24-Dec-2009 11:11

Schlumberger

MWPT – 2" HSD with PowerJet Correlation Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-6L

Output DLIS Files

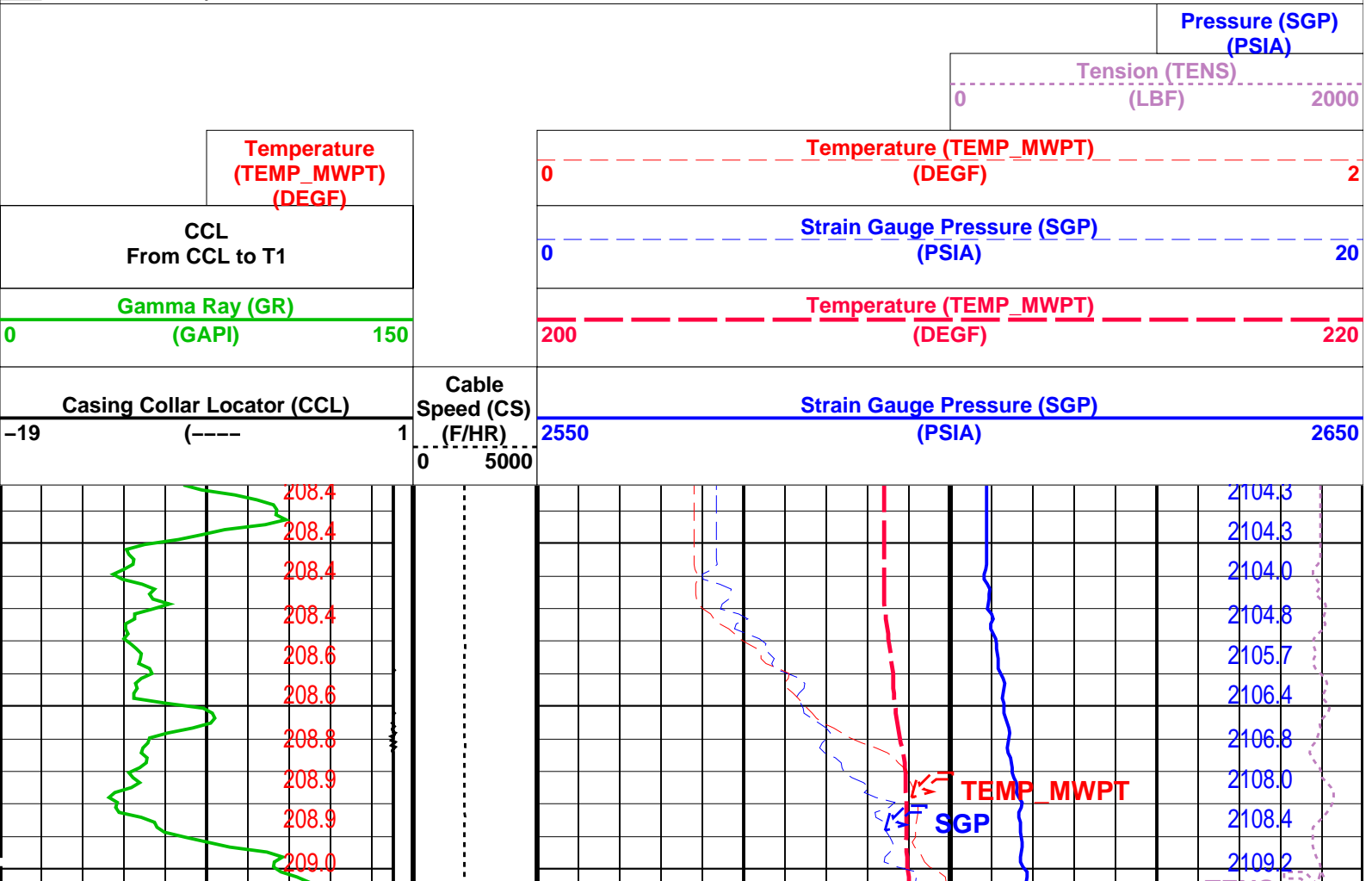
DEFAULT PERFO_054LUP FN:72 PRODUCER 24-Dec-2009 09:42

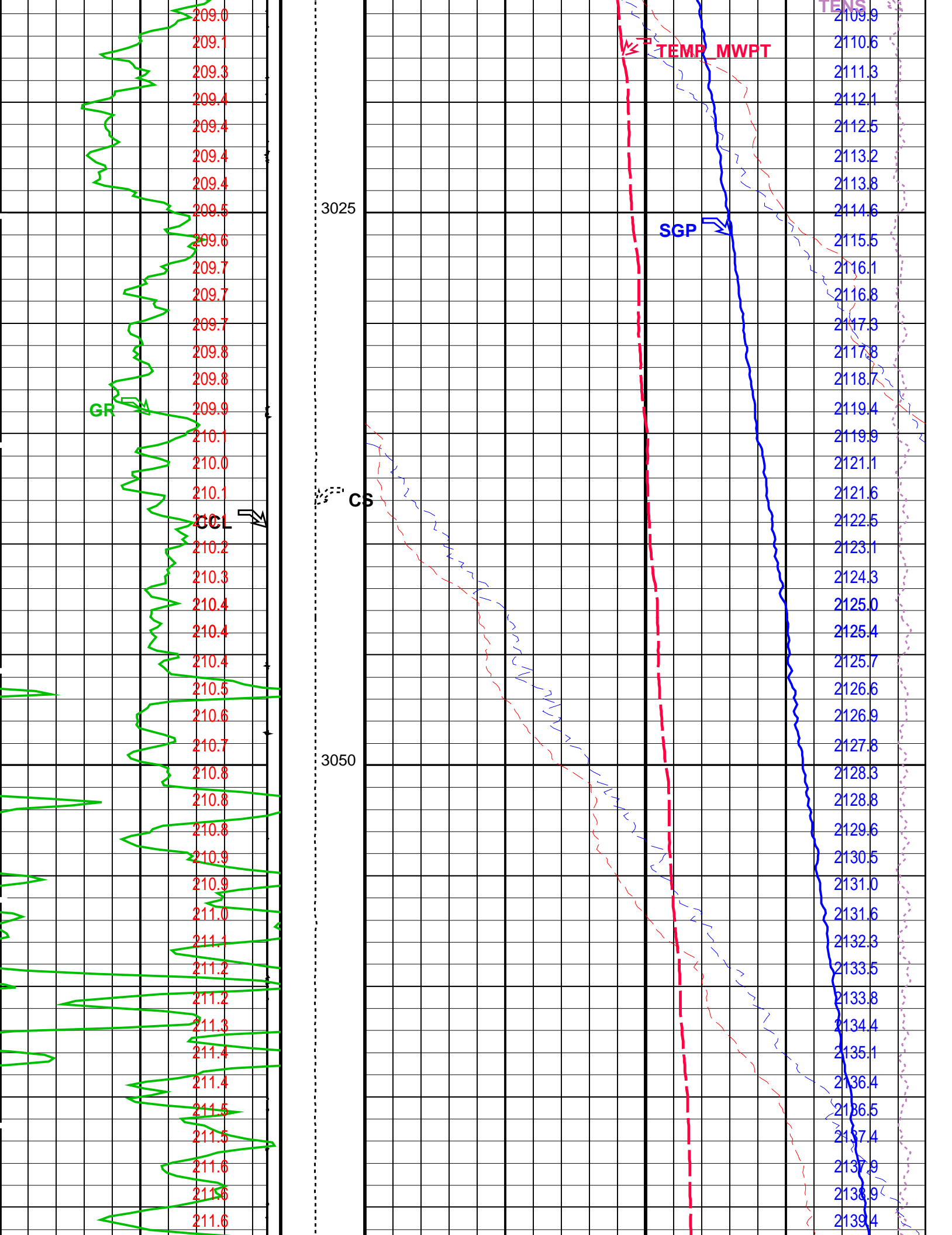
OP System Version: 17C0-154

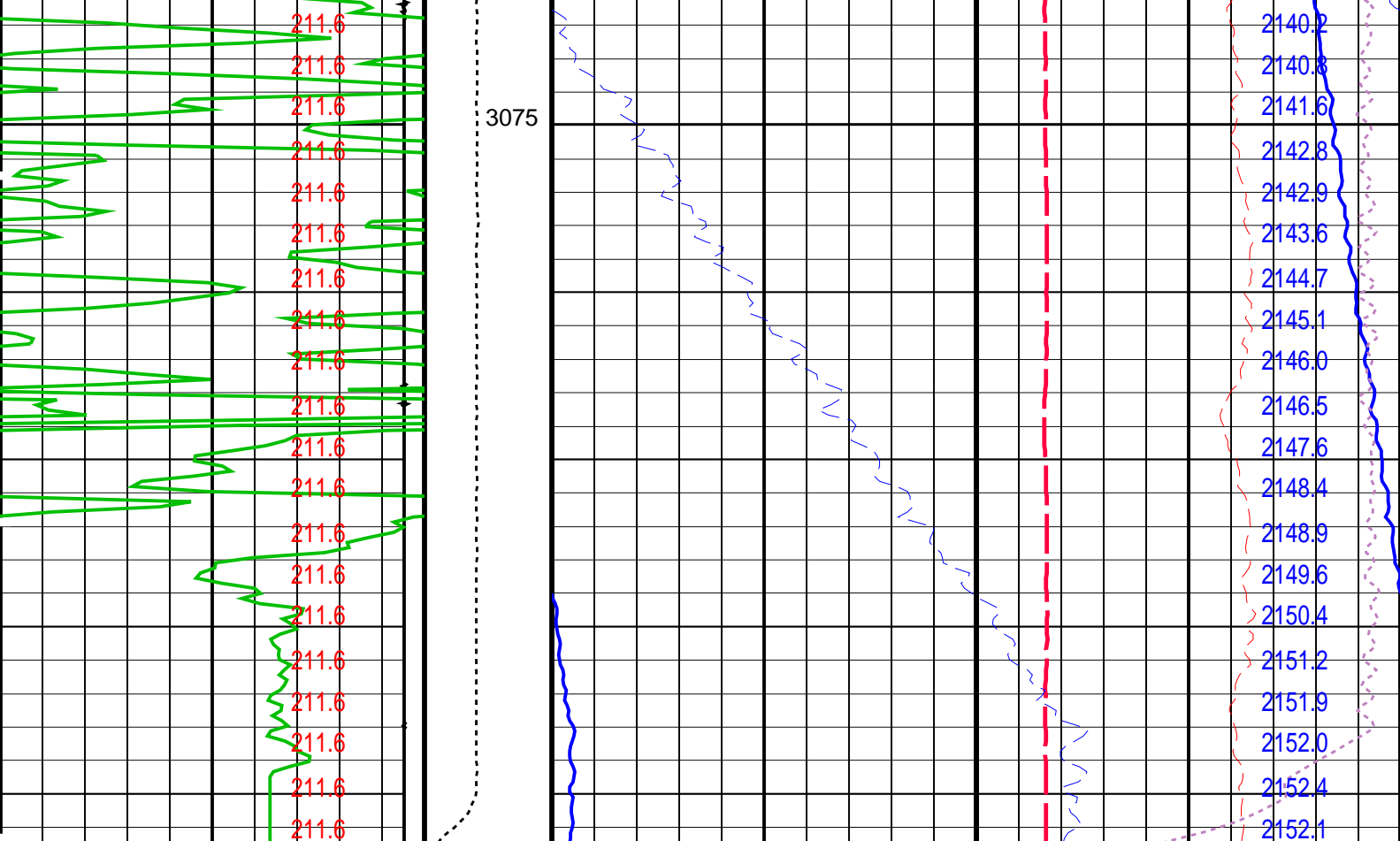
MWP_GUN 17C0-154 MWPT-CA 17C0-154
MWGT-AA 17C0-154

PIP SUMMARY

Time Mark Every 60 S







| | | | | |
|--------------------------------------|-------|-------------------------------|-----------------------------|------|
| Casing Collar Locator (CCL) | | Cable Speed (CS) (F/HR) | Strain Gauge Pressure (SGP) | |
| -19 | (---- | | 2550 | 2650 |
| Gamma Ray (GR) | | 0 | Temperature (TEMP_MWPT) | |
| (GAPI) | | | 200 | 220 |
| CCL From CCL to T1 | | 1 | Strain Gauge Pressure (SGP) | |
| | | | 0 | 20 |
| Temperature (TEMP_MWPT) (DEGF) | | 0 | Temperature (TEMP_MWPT) | |
| | | | 0 | 2 |
| | | | Tension (TENS) | |
| | | | 0 | 2000 |
| | | | Pressure (SGP) | |
| | | | (PSIA) | |

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: 24-Dec-2009 09:42 |

| | | | |
|-----------------------------|----------|---------|----------|
| OP System Version: 17C0-154 | | | |
| MWP_GUN | 17C0-154 | MWPT-CA | 17C0-154 |
| MWGT-AA | 17C0-154 | | |

Output DLIS Files

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **A-6L**

Field: **Tuna**

Rig: **Prod 4 / Crane**

Country: **Australia**

MWPT 2" HSD with PowerJet
7" MPBT Posiset Plug Setting
24-Dec-2009