| W | R | C | C | W | T | F | Q | W | O | T | F | B | | F | D | S | O | T | B | S | D | R | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | |

Rig: Prod 4

Schlumberger

Company: **Esso Australia Ltd.**

Well: **FLA A_17a**

Field: **Flounder**

Rig: **Prod 4** Country: **Australia**

# 2 1/8" Enerjet Gun MWPT
# Perforation Record
# MPBT 4.5" Plug Setting Record

Field: Flounder
Location: Gippsland Basin
Well: FLA A_17a
Company: Esso Australia Ltd.

LOCATION

Gippsland Basin
Bass Strait

Elev.: K.B. 33 m
G.L. −94 m
D.F. 33 m

Permanent Datum: Mean Sea Level — Elev.: 33 m
Log Measured From: Kelly Bushing — −33.0 m above Perm. Datum
Drilling Measured From: Kelly Bushing

| State: | Max. Well Deviation | Longitude | Latitude |
|---|---|---|---|
| Victoria | 49 deg | 148* 06' 15.1" E | 38*18' 45.24"S |

| | Run 1 | Run 2 | Run 3 |
|---|---|---|---|
| PVT DATA: Oil Density | | | |
| PVT DATA: Water Salinity | | | |
| PVT DATA: Gas Gravity | | | |
| PVT DATA: Bo | | | |
| PVT DATA: Bw | | | |
| PVT DATA: 1/Bg | | | |
| PVT DATA: Bubble Point Pressure | | | |
| PVT DATA: Bubble Point Temperature | | | |
| Solution GOR | | | |
| Maximum Deviation | 49 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 | 13−Feb−2006 | | |
| Run Number | 1 | | |
| Depth Driller | 3660 m | | |
| Schlumberger Depth | 3525 m | | |
| Bottom Log Interval | 3497.5 m | | |
| Top Log Interval | 3495.5 m | | |
| Casing Fluid Type | Production Fluids | | |
| Salinity | | | |
| Density | | | |
| Fluid Level | | | |
| BIT/CASING/TUBING STRING | | | |
| Bit Size | 8.500 in | | |
| From | 11.75 m | | |
| To | 3660 m | | |
| Casing/Tubing Size | 7.625 in | | |
| Weight | 26.4 lbm/ft | | |
| Grade | N−80 | | |
| From | 11.75 m | | |
| To | 2900 m | | |
| Maximum Recorded Temperatures | 123 degC | | |
| Logger On Bottom / Time | 13−Feb−2006 / 15:00 | | |
| Unit Number / Location | 1 / VEA | | |
| Recorded By | G.Fraser/O Darby | | |
| Witnessed By | Barrie White | | |
| 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 4

# DEPTH SUMMARY LISTING

Date Created: 18−FEB−2006 19:57:34

## Depth System Equipment

| Depth Measuring Device | | Tension Device | | Logging Cable | |
|---|---|---|---|---|---|
| Type: | IDW−H | Type: | CMTD−C | Type: | 2−32ZT |
| Serial Number: | 979 | Serial Number: | 1037 | Serial Number: | 22372 |
| Calibration Date: | 01−May−2005 | Calibration Date: | 15−Feb−2006 | Length: | 5002.07 M |
| Calibrator Serial Number: | 1009 | Calibrator Serial Number: | 1174 | | |
| Calibration Cable Type: | 2−32ZT | Calibration Gain: | 1.38 | Conveyance Method: | Wireline |
| Wheel Correction 1: | −3 | Calibration Offset: | 448.00 | Rig Type: | Offshore_Fixed |
| Wheel Correction 2: | 2 | | | | |

## Depth Control Parameters

| | |
|---|---|
| Log Sequence: | Subsequent Trip To the Well |
| Reference Log Name: | ExxonMobil solar composite log |
| Reference Log Run Number: | Unknown |
| Reference Log Date: | 17−Mar−2005 |
| Subsequent Trip Down Log Correction: | 3.20 M |

## Depth Control Remarks

1. Used IDW as primary depth control
2. Used Z−Chart as secondary depth control
3. Two correlation run's were performed (PSP_014 & PSP_016) due to telemetry in both logs at differnent depths they have been spliced together to create PSP_041
5.
6.



OTHER SERVICES1
OS1:
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 1

Log corrleated to Solar log dated 17−Mar−2005, provided by the client.

Well has max deviation of 49 deg at 2946m MDKB

Objective:

To perforate the well at 3495.5m to 3497.5m MDKB using 2 1/8" Enerjet gun loaded with PowerSpiral charges.

After perforating, obtained static FBHP of psi and FBHT degF, was unable to flow well before perforating as request in program because existing perforations were already isolated.

Before perforation : FBHP = 3865 psa, FBHT = 242 DegF

Before perforation : FBHP = 3805 pisa, FBHT = 242 DegF

After perforation : FBHP = 3928 pisa, FBHT = 254.8 DegF

CCL stop depth = 3491.0 MDKB

CCL to top shot = 4.5 m

CCL to gun bottom = 6.8 m

Set 4.5" MPBT with top sealing element at approx. 3513m MDKB, to isolate

exisiting perforations. Two dump bailer runs are required one water one cement

to drop approximately 1.0m of cement on the plug.

CCL to top sealing element = 6.8m

| RUN 1 | | | RUN 2 | | |
|---|---|---|---|---|---|
| PROGRAM VERSION: 13C0−300 | | | PROGRAM VERSION: | | |
| FLUID LEVEL: | | | FLUID LEVEL: | | |
| LOGGED INTERVAL | START | STOP | LOGGED INTERVAL | START | STOP |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

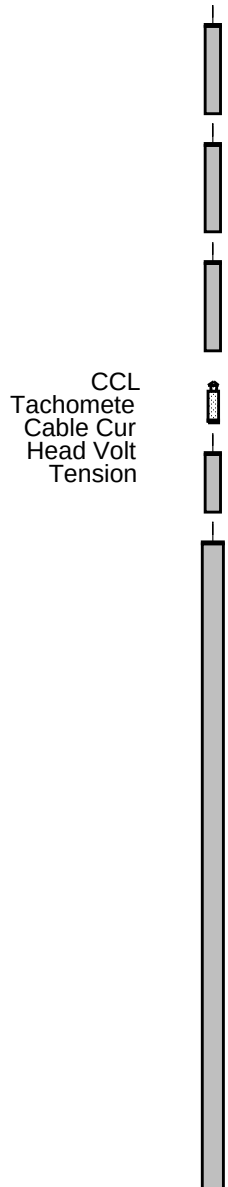
# EQUIPMENT DESCRIPTION

## RUN 1

### SURFACE EQUIPMENT

MPBM 47

### DOWNHOLE EQUIPMENT




AH−SWBS 12.35
AH−SWBS 763

AH−SWBS 11.67
AH−SWBS 762

AH−SWBS 10.98
AH−SWBS 761

MH−SWHS 10.30
MH−SWHS 726

CCL−L 9.97
CCL−L 4191

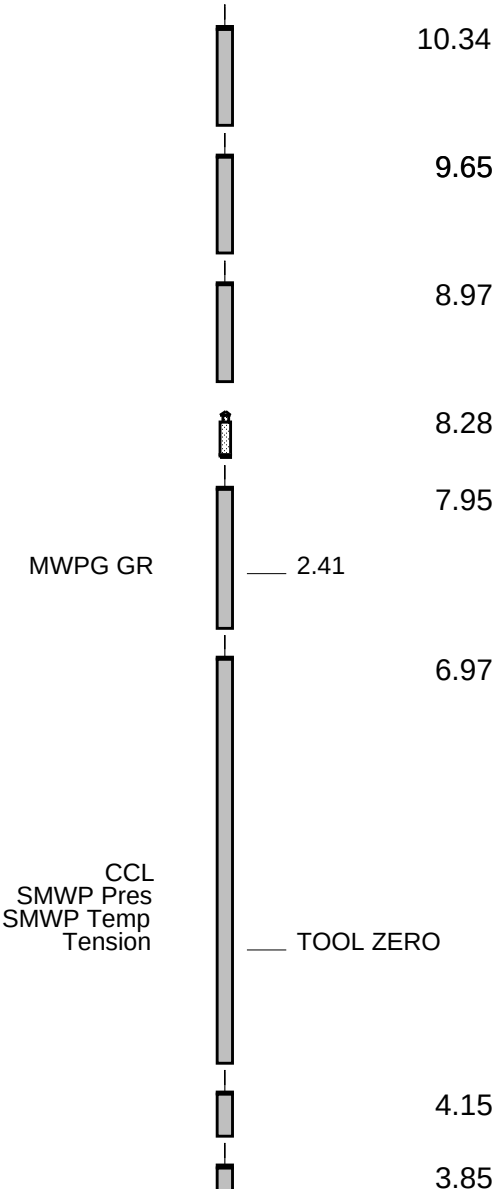
MPSU−CA 9.51
MPSU−CA 1011

## RUN 2

### SURFACE EQUIPMENT

MWPM−AA 3008

### DOWNHOLE EQUIPMENT




AH−SWBS 10.34
AH−SWBS 761

AH−SWBS 9.65
AH−SWBS 762

AH−SWBS 8.97
AH−SWBS 763

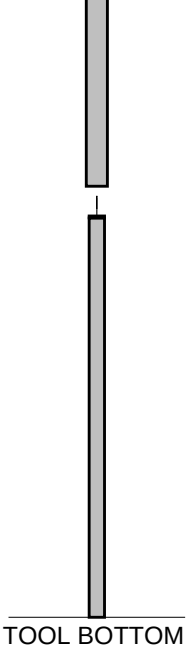
MH−SWHS 8.28
MH−SWHS 726

MWGT−AA 7.95
MWPG−AA 19
MWGH−AA 19

MWPT−CA 6.97
MWPH−AA 74
MWPS−AA 74

AH−FLEX−JOINT 4.15
AH−FLEX−JOINT 42

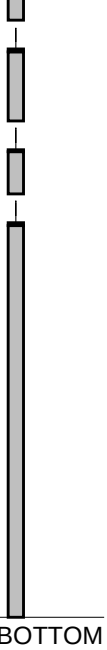
AH−SAH−G 3.85



MPEX−AA
MPEX−AA
3.10

TOOL BOTTOM

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



AH−SAH−G 1047

MPD−MB
MPD−MB 2868
3.54

AH−ESIC
AH−ESIC 4100821
3.05

MWP_GUN
GUN−EnerJet
2.74

TOOL BOTTOM

MAXIMUM STRING DIAMETER 1.69 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: Esso Australia Ltd
Well: A_17a
Field: Bass Strait
State: Victoria
Country: Australia

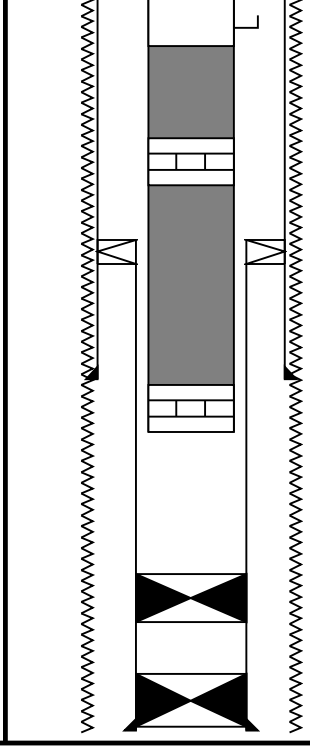
Rig Name: Flounder
Reference Datum: Mean Sea Level
Elevation: 33.0 m

Drawing Date: 2/17/2006
API #:

| Production String | (in) OD | (in) ID | (m) MD |
|---|---|---|---|
| Tubing | 3.500 | | 12.4 |
| Sub surface saftey valve | 3.500 | | 453.8 |
| Gas Lift Mandrel | 3.500 | | 871.5 |
| Gas Lift Mandrel | 3.500 | | 1385.7 |
| Gas Lift Mandrel | 3.500 | | 1646.3 |

Well Schematic

| Casing String | (m) MD | (in) OD | (in) ID |
|---|---|---|---|
| Borehole Segment | 11.8 | 11.750 | |
| Casing String | | 10.750 | |
| Casing Shoe | 1256.3 | 10.750 | |
| Borehole Segment | 1256.3 | 8.500 | |
| Liner Hanger | 1256.3 | 10.750 | 7.625 |
| Casing String | | 7.625 | |



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Gas Lift Mandrel | 3.500 | | 2089.5 | | | | |
| Landing Nipple | 3.500 | | 2106.8 | | | | |
| | | | | 2600.8 | 4.500 | | Casing String |
| | | | | 2600.8 | 7.625 | 4.500 | Liner Hanger |
| | | | | 2900.0 | 7.625 | | Casing Shoe |
| No Go Nipple | 3.500 | | 2605.0 | | | | |
| Tubing Bottom | 3.500 | | 2610.9 | | | | |
| Bridge Plug | 4.500 | 0.000 | 3538.5 | | | | |
| Bridge Plug | 4.500 | 0.000 | 3636.0 | | | | |
| | | | | 3656.3 | 4.500 | | Casing Shoe |

Schlumberger

# Job Events summary

MAXIS Field Log

## Schlumberger Job Event Summary

| | Time | Elapsed Time | Depth (M) | | File |
|---|---|---|---|---|---|
| Rig Up Started | 13−Feb−2006 13:30 | | | | |
| Rig up for dummy run | | | | | |
| Log Pass (up) | 13−Feb−2006 14:58 | 000:37 | 3532.0 − | 3181.0 | PSP_014LUP |
| Dummy pass 1 | | | | | |
| Log Pass (up) | 13−Feb−2006 15:49 | 000:28 | 3525.6 − | 3187.0 | PSP_016LUP |
| Dummy pass 2 | | | | | |
| Rig Down Completed | 13−Feb−2006 17:50 | | | | |
| Rig down for dummy run | | | | | |
| Rig Up Started | 14−Feb−2006 7:00 | | | | |
| Rig up for MPBT setting pass | | | | | |
| Simulated Log | 14−Feb−2006 9:02 | 000:17 | | | MPBT_050LUP |
| MPBT station log | | | | | |
| Rig Down Completed | 14−Feb−2006 10:40 | | | | |
| Rig down for MPBT setting pass | | | | | |
| Rig Up Started | 14−Feb−2006 11:18 | | | | |
| Rig up for water Dump bailer | | | | | |
| Log Pass (up) | 14−Feb−2006 12:07 | 000:06 | 3508.2 − | 3447.9 | PERFO_061LUP |
| Dumped water | | | | | |

Dumped water
Rig Down Completed 14−Feb−2006 13:00
Rig down for water dump bailer
Rig Up Started 14−Feb−2006 13:20
Rig up for cement dump bailer
Log Pass (up) 14−Feb−2006 13:58 000:06 3508.1 − 3454.8 PERFO_066LUP
Dumped cement
Rig Down Completed 14−Feb−2006 14:46
Rig down for cement dump bailer
Rig Up Started 17−Feb−2006 8:25
Rig up for MWPT
Log Pass (up) 17−Feb−2006 9:24 000:08 3509.9 − 3429.5 PERFO_011LUP
Correlation Pass
Log Pass (up) 17−Feb−2006 9:49 000:29 3508.1 − 3437.2 PERFO_014LUP
Shooting pass
Station Log 17−Feb−2006 9:51 000:19 3491.0 − 2.8 PERFO_015LTP
MWPT Station log
Rig Down Completed 17−Feb−2006 11:45
Rig down for MWPT

Schlumberger

# Operational Summary Listing

MAXIS Field Log

## PERFO2 MPBT Operational Summary Listing

| Device | Status | Req Depth ( M) | Obs Depth ( M) | Time Used |
|---|---|---|---|---|
| MPEX | Used | 3513.0 | 3513.0 | Tue Feb 14 09:19:50 2006 |

## PERFO2 MWPT Operational Summary Listing

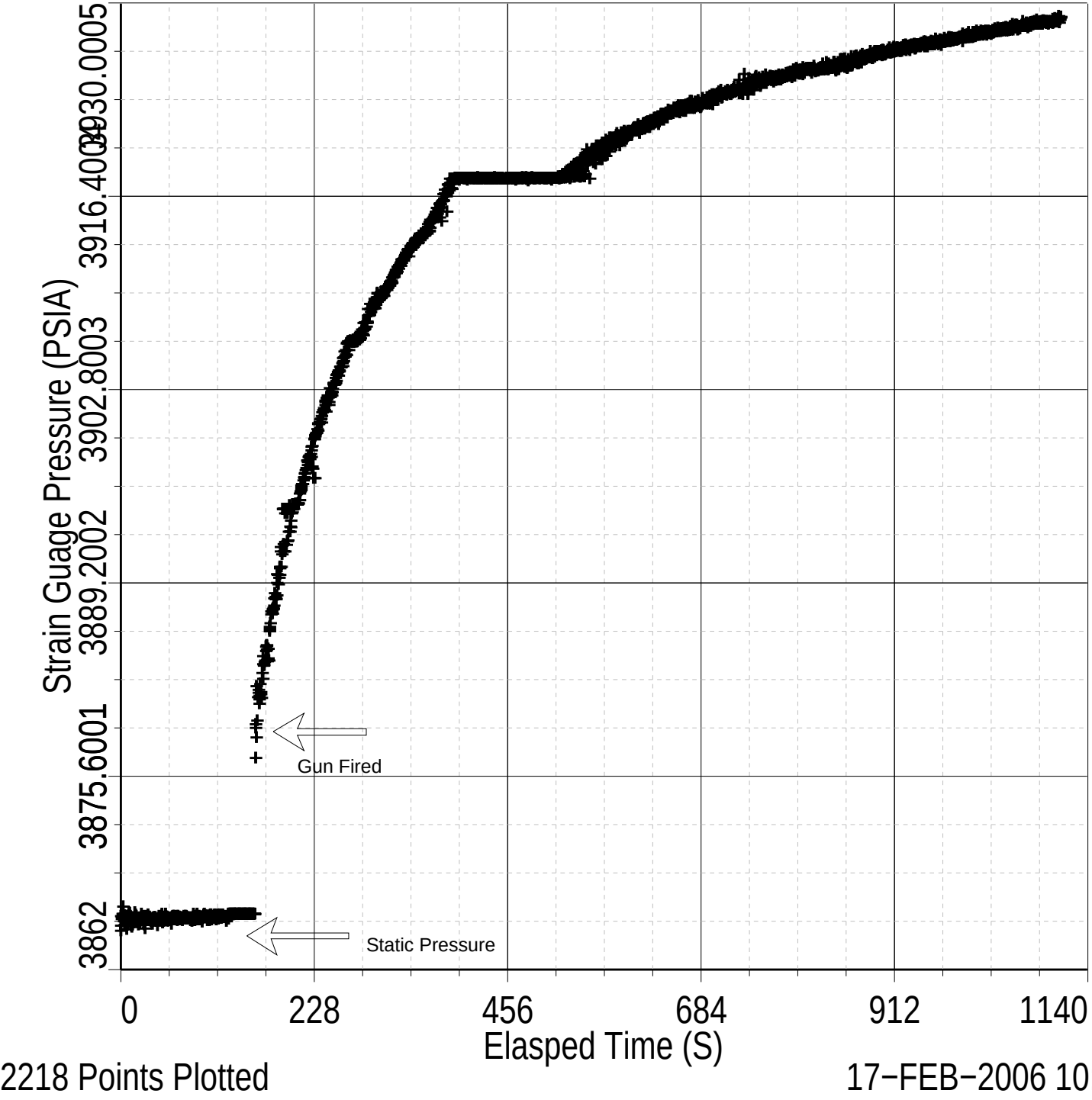
| Device | Status | Req Depth ( M) | Obs Depth ( M) | Time Used |
|---|---|---|---|---|
| GUN1 | Used | 3495.5 | 3495.5 | Fri Feb 17 10:11:29 2006 |

Schlumberger

# 2 1/8" Phased Enerjet Station Logs

MAXIS Field Log

Index: 19298.9 − 24930.1 M




2218 Points Plotted

17−FEB−2006 10:41

**Company: Esso Australia Ltd.** **Well: FLA A−26**

## Input DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PERFO_015LTP | FN:14 | PRODUCER | 17−Feb−2006 09:51 | 3491.0 M | 2.8 M |

## Output DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PERFO_016PTP | FN:15 | PRODUCER | 17−Feb−2006 10:41 | 3491.0 M | 2.8 M |

## OP System Version: 13C0−300

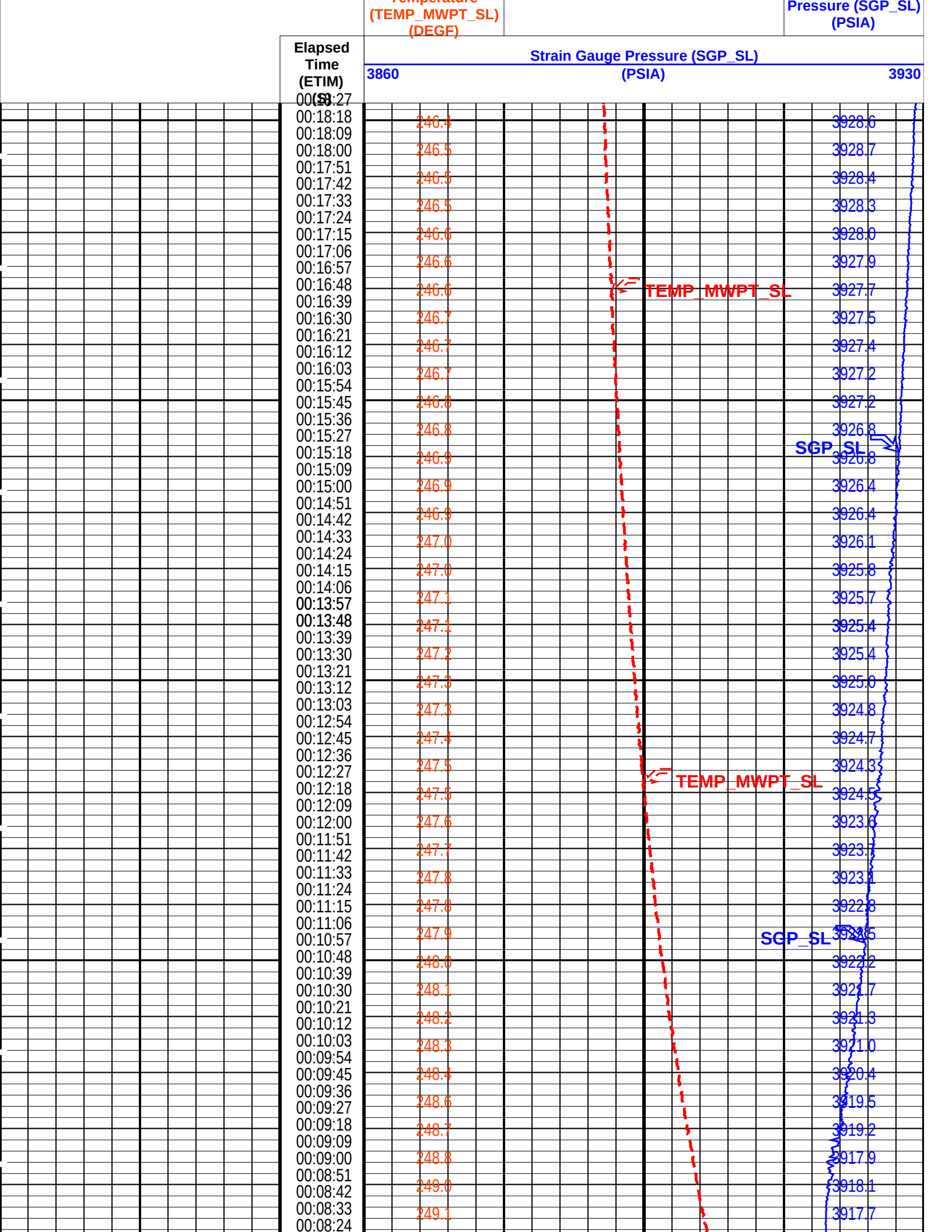
MCM

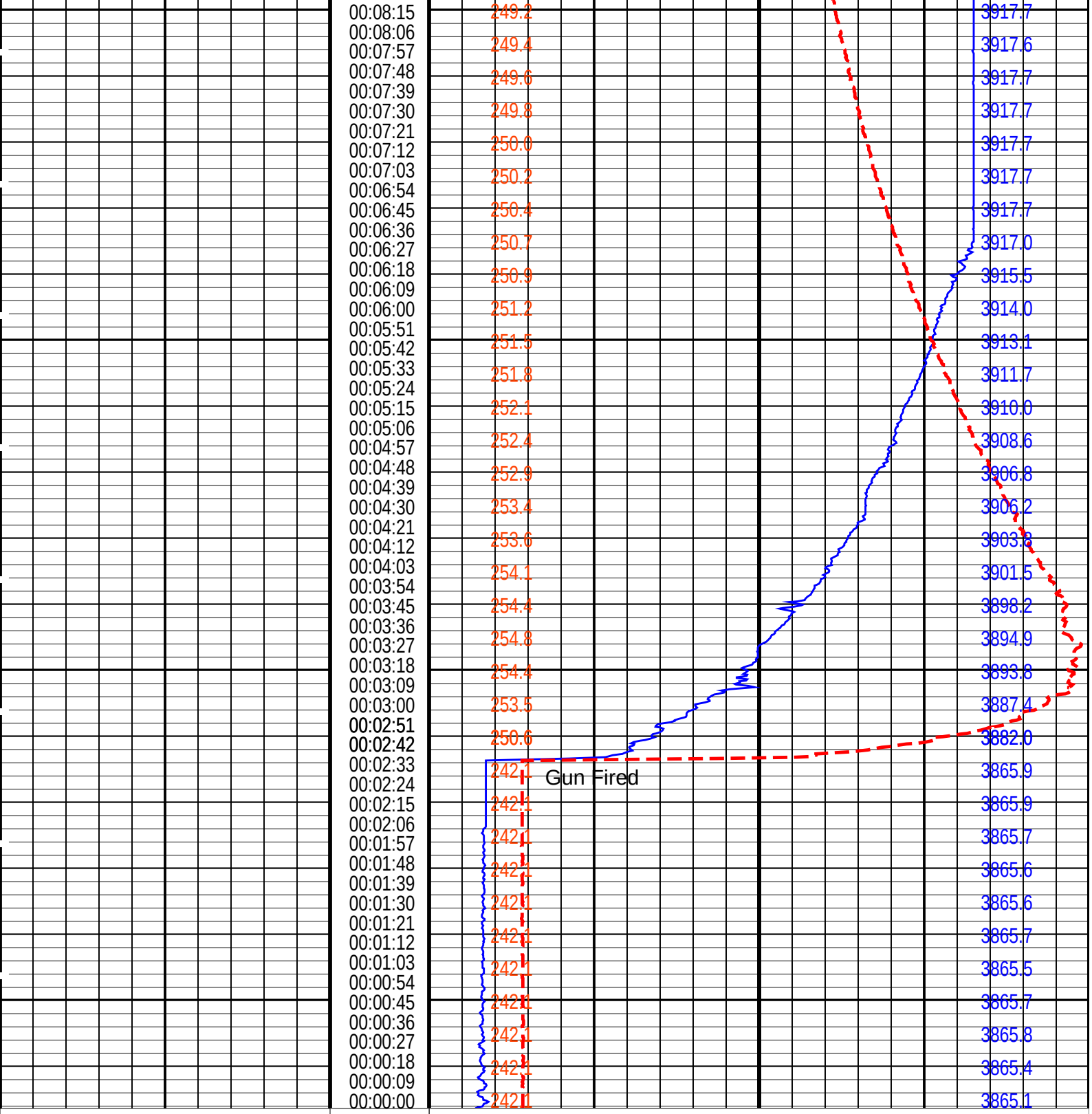
| | | | |
|---|---|---|---|
| MWP_GUN | 13C0−300 | MWPT−CA | 13C0−300 |
| MWGT−AA | 13C0−300 | | |

**PIP SUMMARY**

Time Mark Every 60 S

| | Temperature (TEMP_MWPT_SL) | |
|---|---|---|
| | 240 (DEGF) | 255 |
| Temperature | | |


Temperature (TEMP_MWPT_SL) (DEGF)
Pressure (SGP_SL) (PSIA)
Elapsed Time (ETIM) (HH:MM:SS)
Strain Gauge Pressure (SGP_SL)
3860
(PSIA)
3930
TEMP_MWPT_SL
SGP_SL
TEMP_MWPT_SL
SGP_SL




| Elapsed Time (ETIM) (S) | Strain Gauge Pressure (SGP_SL) (PSIA) | |
|---|---|---|
| | 3860 | 3930 |
| | Temperature (TEMP_MWPT_SL) (DEGF) | Pressure (SGP_SL) (PSIA) |
| | Temperature (TEMP_MWPT_SL) (DEGF) | |
| | 240 | 255 |

**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: 17−Feb−2006 10:41**

## OP System Version: 13C0−300

MCM

| | | | |
|---|---|---|---|
| MWP_GUN | 13C0−300 | MWPT−CA | 13C0−300 |
| MWGT−AA | 13C0−300 | | |

## Input DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PERFO_015LTP | FN:14 | PRODUCER | 17−Feb−2006 09:51 | 3491.0 M | 2.8 M |

## Output DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PERFO_016PTP | FN:15 | PRODUCER | 17−Feb−2006 10:41 | | |

Schlumberger

# 2 1/8" Phased Enerjet Shooting Pass

MAXIS Field Log

## Output DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PERFO_014LUP | FN:13 | PRODUCER | 17−Feb−2006 09:49 | 3508.1 M | 3437.2 M |

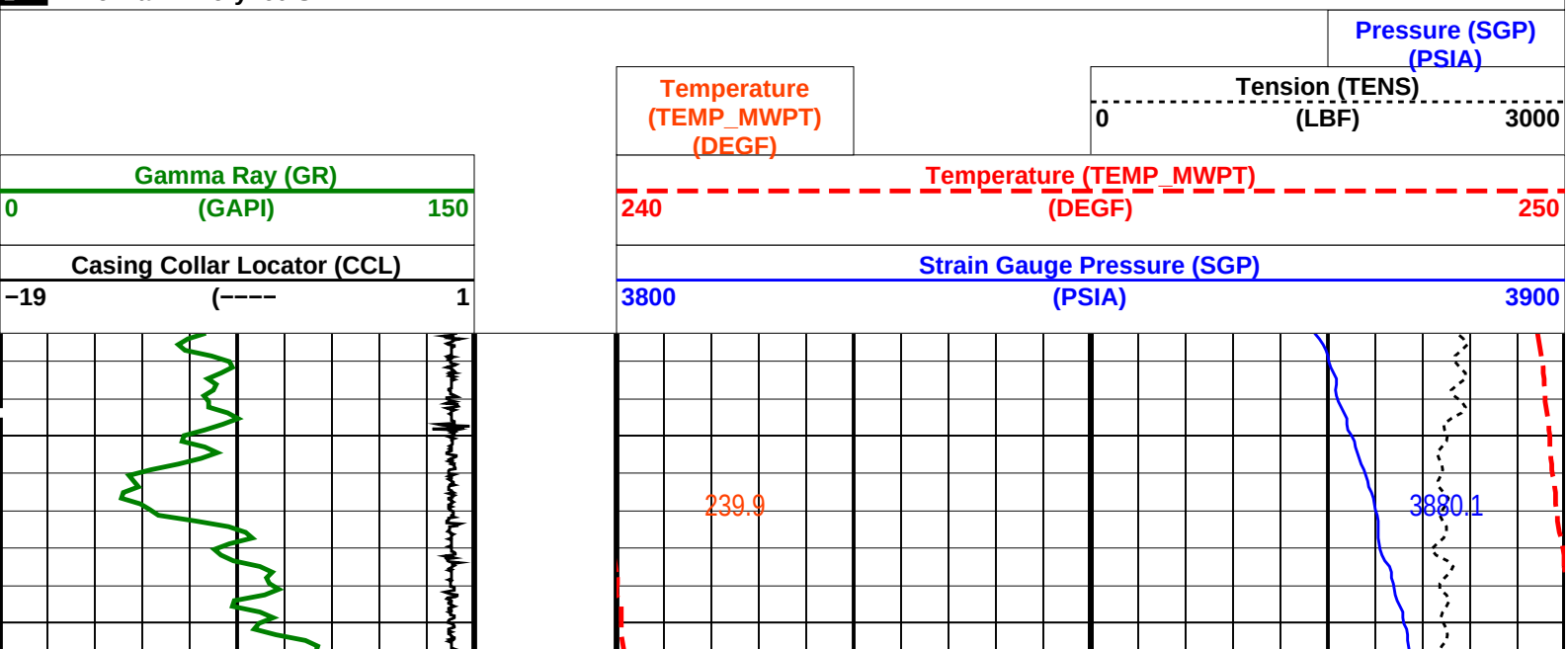
## OP System Version: 13C0−300

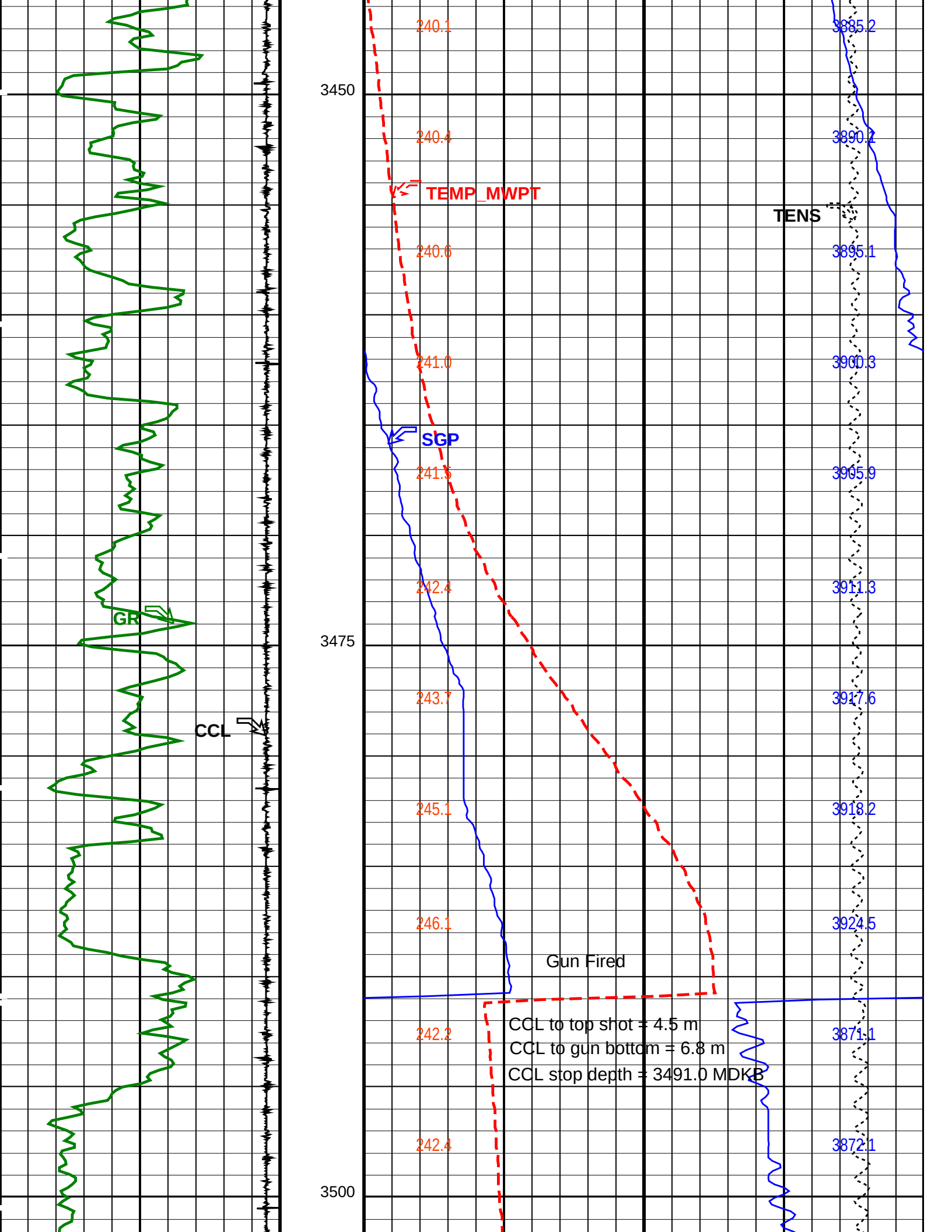
MCM

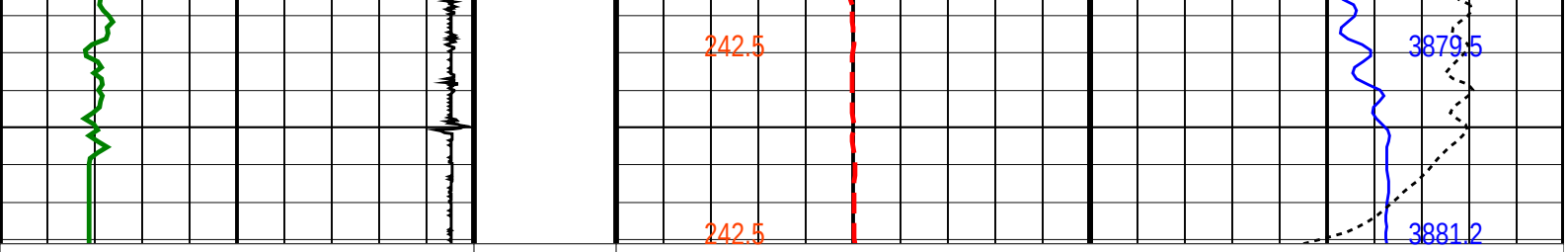
| | | | |
|---|---|---|---|
| MWP_GUN | 13C0−300 | MWPT−CA | 13C0−300 |
| MWGT−AA | 13C0−300 | | |

### PIP SUMMARY

Time Mark Every 60 S




3450
3475
3500
240.1
240.4
240.6
241.0
241.5
242.4
243.7
245.1
246.1
242.2
242.4
3885.2
3890.2
3895.1
3900.3
3905.9
3911.3
3917.6
3918.2
3924.5
3871.1
3872.1
TEMP_MWPT
TENS
SGP
GR
CCL
Gun Fired
CCL to top shot = 4.5 m
CCL to gun bottom = 6.8 m
CCL stop depth = 3491.0 MDKB




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

Gamma Ray (GR)
0 (GAPI) 150

Strain Gauge Pressure (SGP)
3800 (PSIA) 3900

Temperature (TEMP_MWPT)
240 (DEGF) 250

Temperature (TEMP_MWPT) (DEGF)

Tension (TENS)
0 (LBF) 3000

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: 17−Feb−2006 09:49

## OP System Version: 13C0−300

MCM

| | | | |
|---|---|---|---|
| MWP_GUN | 13C0−300 | MWPT−CA | 13C0−300 |
| MWGT−AA | 13C0−300 | | |

## Output DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PERFO_014LUP | FN:13 | PRODUCER | 17−Feb−2006 09:49 | | |

Schlumberger

# 2 1/8" Phased Enerjet Correlation Pass

MAXIS Field Log

## Output DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PERFO_011LUP | FN:10 | PRODUCER | 17−Feb−2006 09:24 | 3509.9 M | 3429.5 M |

## OP System Version: 13C0−300

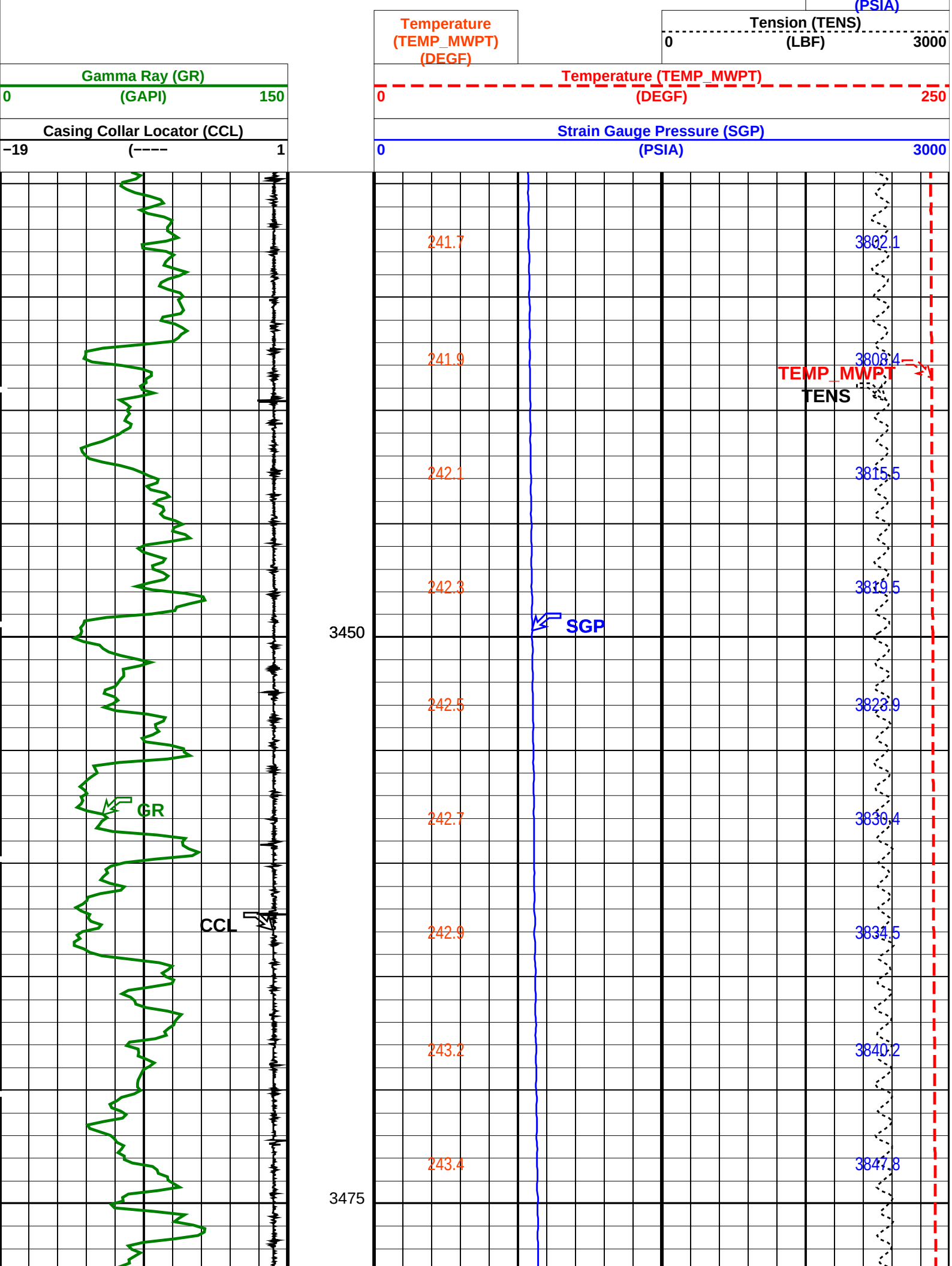
MCM

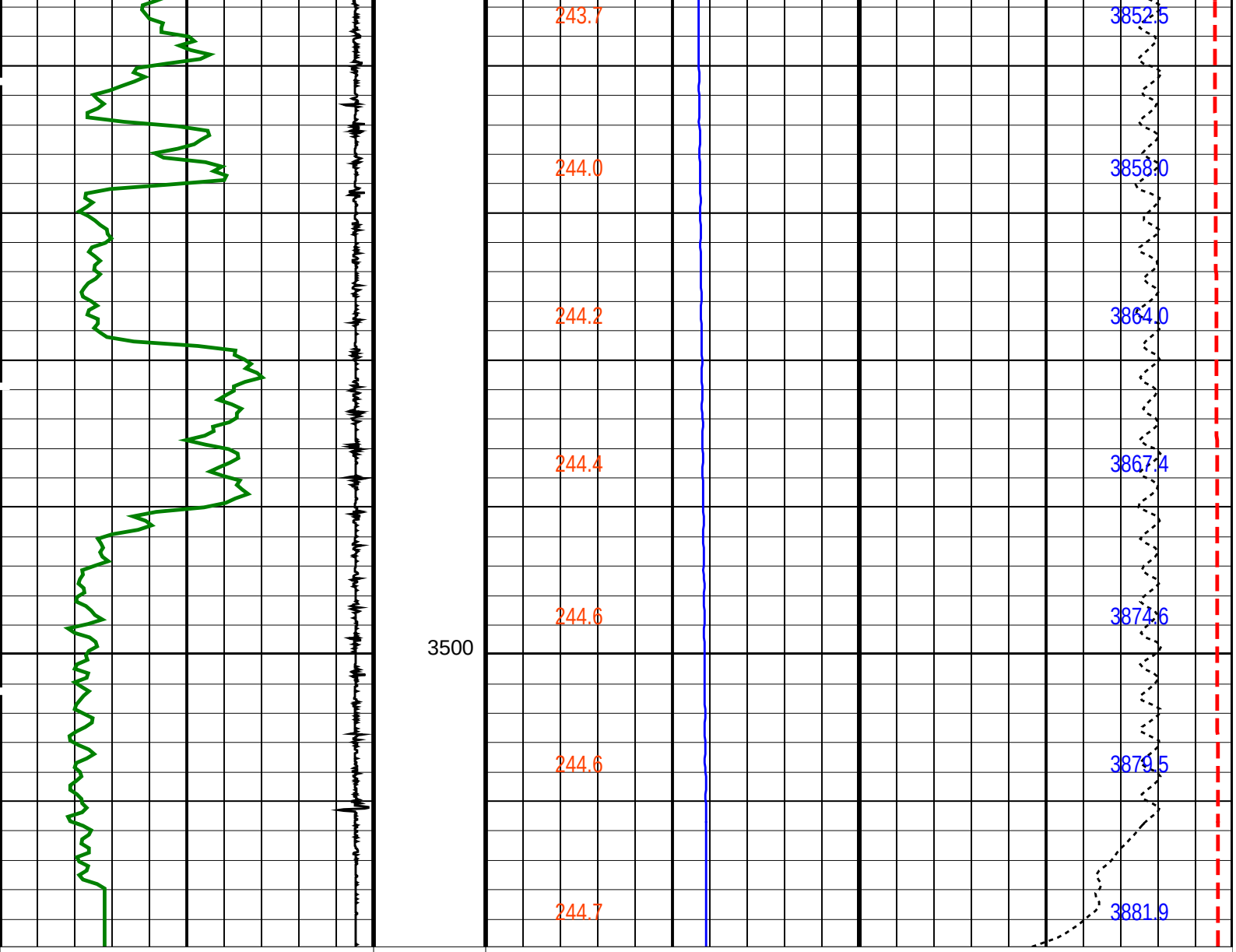
| | | | |
|---|---|---|---|
| MWP_GUN | 13C0−300 | MWPT−CA | 13C0−300 |
| MWGT−AA | 13C0−300 | | |

PIP SUMMARY

Time Mark Every 60 S

Pressure (SGP)


(PSIA)
Temperature (TEMP_MWPT) (DEGF)
Tension (TENS)
0 (LBF) 3000
Gamma Ray (GR)
0 (GAPI) 150
Temperature (TEMP_MWPT)
0 (DEGF) 250
Casing Collar Locator (CCL)
−19 (---- 1
Strain Gauge Pressure (SGP)
0 (PSIA) 3000
241.7
3802.1
241.9
3808.4
TEMP_MWPT
TENS
242.1
3815.5
242.3
3819.5
SGP
3450
242.5
3823.9
242.7
3830.4
GR
CCL
242.9
3834.5
243.2
3840.2
243.4
3847.8
3475




**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: 17−Feb−2006 09:24**

## OP System Version: 13C0−300

MCM

| | | | |
|---|---|---|---|
| MWP_GUN | 13C0−300 | MWPT−CA | 13C0−300 |
| MWGT−AA | 13C0−300 | | |

# Output DLIS Files

**DEFAULT** **PERFO_011LUP** **FN:10** **PRODUCER** **17−Feb−2006 09:24**

Schlumberger

## MWPT Calibration

MAXIS Field Log

Calibration and Check Summary

| Measurement | Nominal | Master | Before | After | Change | Limit | Units |
|---|---|---|---|---|---|---|---|
| MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL Wellsite Calibration − Detector Calibration | | | | | | | |
| Before: 17−Feb−2006 6:45 | | | | | | | |
| Gamma Ray (Signal) Background | 30.00 | N/A | 4.396 | N/A | N/A | N/A | GAPI |
| Gamma Ray (Jig − Background) | 130.9 | N/A | 130.9 | N/A | N/A | 11.90 | GAPI |
| Gamma Ray (Calibrated) | 135.0 | N/A | 135.0 | N/A | N/A | 15.00 | GAPI |

MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL / Equipment Identification

Primary Equipment:

| | | |
|---|---|---|
| GAMMA RAY CARTRIDGE | MWPG − AA | 19 |

Auxiliary Equipment:

| | | |
|---|---|---|
| GAMMA RAY HOUSING | MWGH − AA | 19 |

MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL Wellsite Calibration

Detector Calibration

| Phase | Gamma Ray (Signal) Background GAPI | Value |
|---|---|---|
| Before | | 4.396 |
| | 0 (Minimum) 30.00 (Nominal) 120.0 (Maximum) | |

| Phase | Gamma Ray (Jig − Background) GAPI | Value |
|---|---|---|
| Before | | 130.9 |
| | 119.0 (Minimum) 130.9 (Nominal) 142.8 (Maximum) | |

| Phase | Gamma Ray (Calibrated) GAPI | Value |
|---|---|---|
| Before | | 135.0 |
| | 120.0 (Minimum) 135.0 (Nominal) 150.0 (Maximum) | |

Before: 17−Feb−2006 6:45

**MWPT Strain Gauge**

| | |
|---|---|
| **Serial Number:** | **189081** |
| **Range:** | **5K** |
| **Calibration Date:** | **18Feb2004** |
| **Mean Quadratic Deviation:** | **1.1480** |
| **Offset:** | **0.0000 PSIA** |
| **Calibration Pressure Unit:** | **PSIG** |

**Calibration Temperature Unit:** DEGF

| | G | H | I | J |
|---|---|---|---|---|
| 0 | −1.869315e+002 | 9.831989e−001 | 5.903282e−006 | −3.843462e−010 |
| 1 | −4.053613e−001 | 5.155538e−004 | −1.571122e−007 | 8.593345e−012 |
| 2 | 2.776465e−003 | −3.533229e−006 | 9.757912e−010 | −3.039737e−014 |
| 3 | −6.233313e−006 | 7.817481e−009 | −1.891033e−012 | 0.000000e+000 |

Schlumberger

# MPBT 4 1/2" Plug
# Cement Dump Bailer

MAXIS Field Log

## Input DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PERFO_066LUP | FN:62 | PRODUCER | 14−Feb−2006 13:58 | 3508.1 M | 3454.8 M |

## Output DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PERFO_067PUP | FN:63 | PRODUCER | 14−Feb−2006 14:18 | 3507.9 M | 3455.1 M |

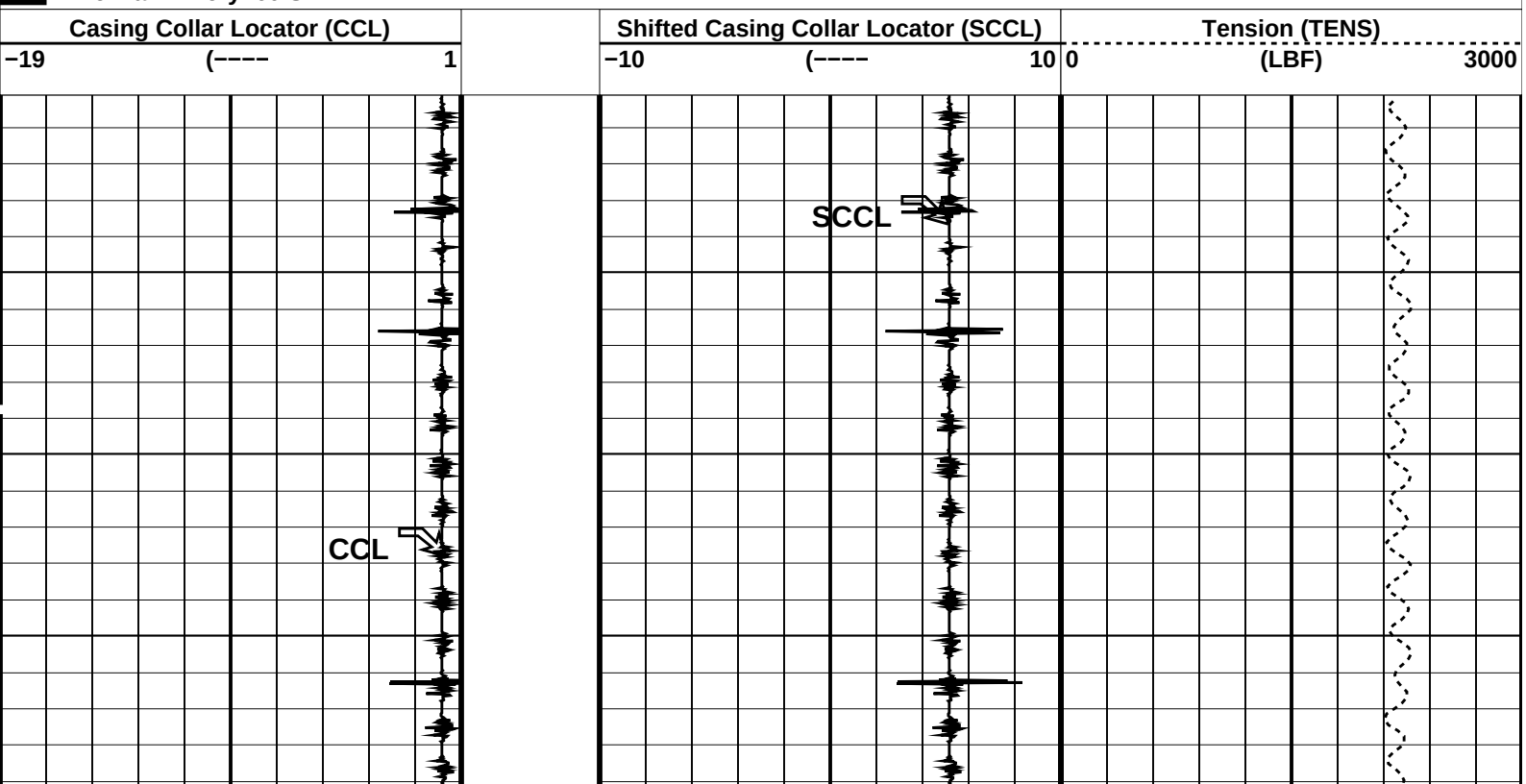
## OP System Version: 13C0−300

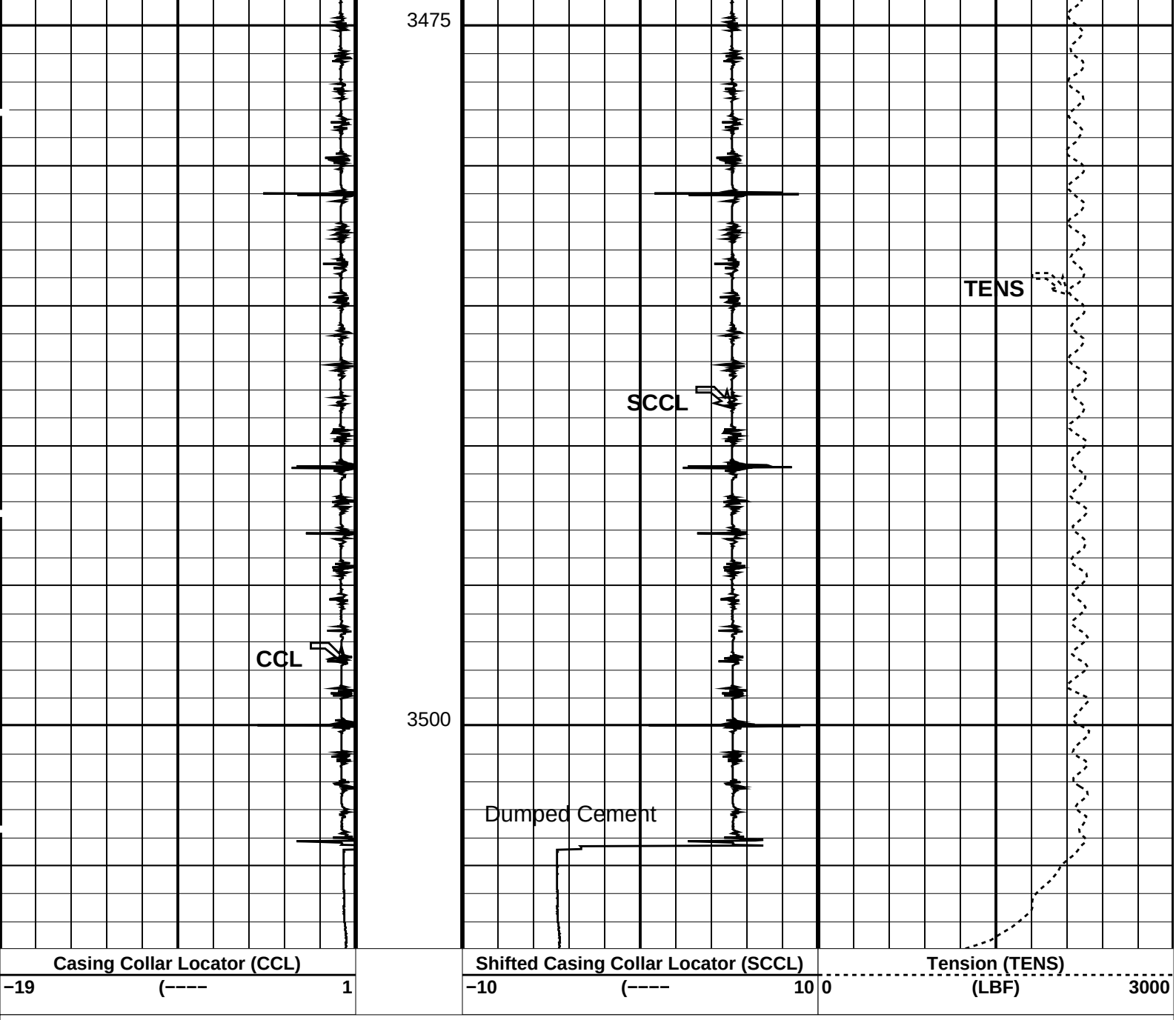
MCM

| | | | |
|---|---|---|---|
| SHM_GUN | 13C0−300 | CCL−L | 13C0−300 |

**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 | −0.2 | M |
| PP | Playback Processing | NORMAL | |

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 14−Feb−2006 14:18

## OP System Version: 13C0−300

MCM

| | | | |
|---|---|---|---|
| SHM_GUN | 13C0−300 | CCL−L | 13C0−300 |

## Input DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PERFO_066LUP | FN:62 | PRODUCER | 14−Feb−2006 13:58 | 3508.1 M | 3454.8 M |

## Output DLIS Files

## Output DLIS Files

DEFAULT PERFO_067PUP FN:63 PRODUCER 14−Feb−2006 14:18

Schlumberger

# MPBT 4 1/2" Plug
# Water Dump Bailer

MAXIS Field Log

## Output DLIS Files

DEFAULT PERFO_061LUP FN:57 PRODUCER 14−Feb−2006 12:07 3508.2 M 3447.9 M

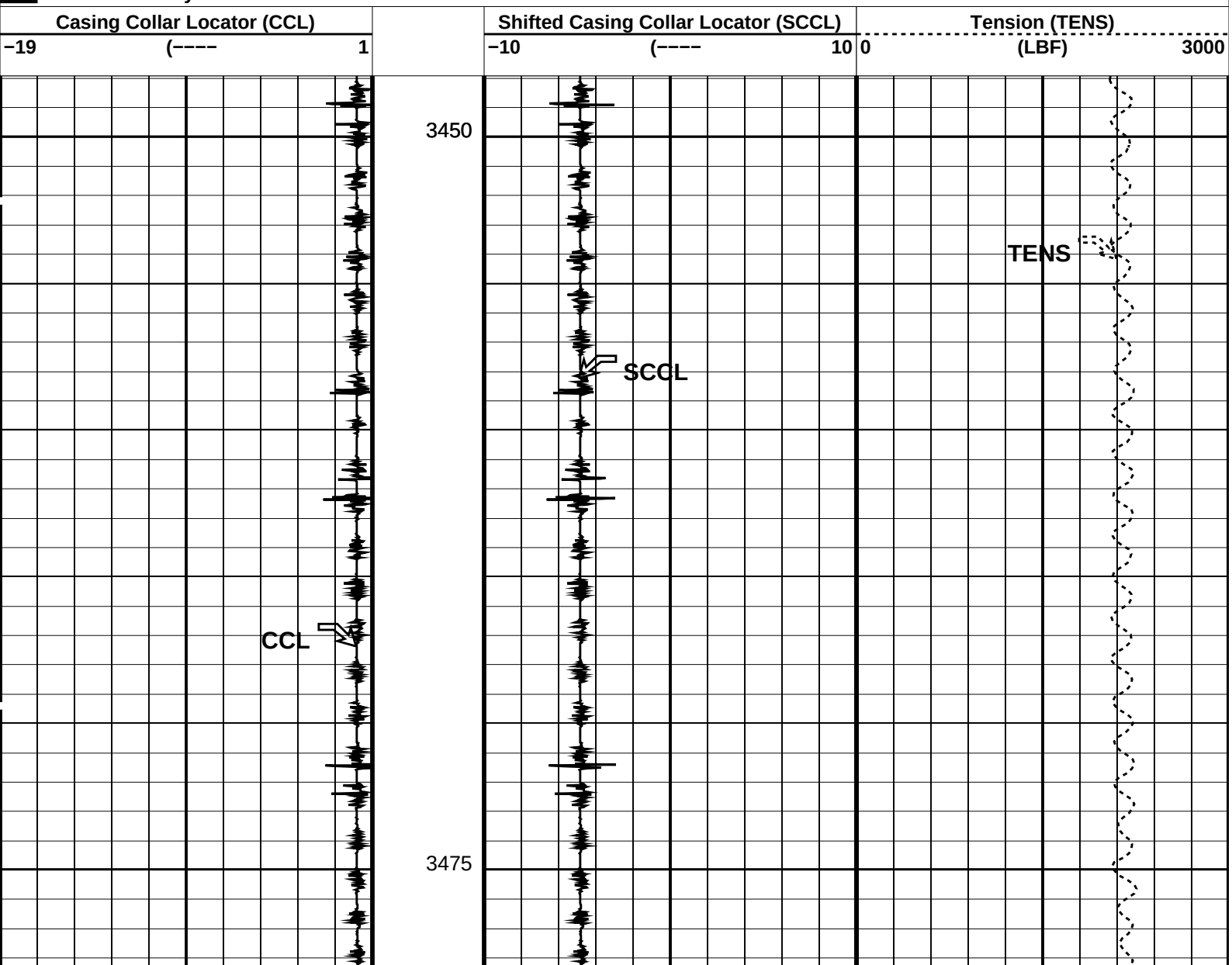
## OP System Version: 13C0−300

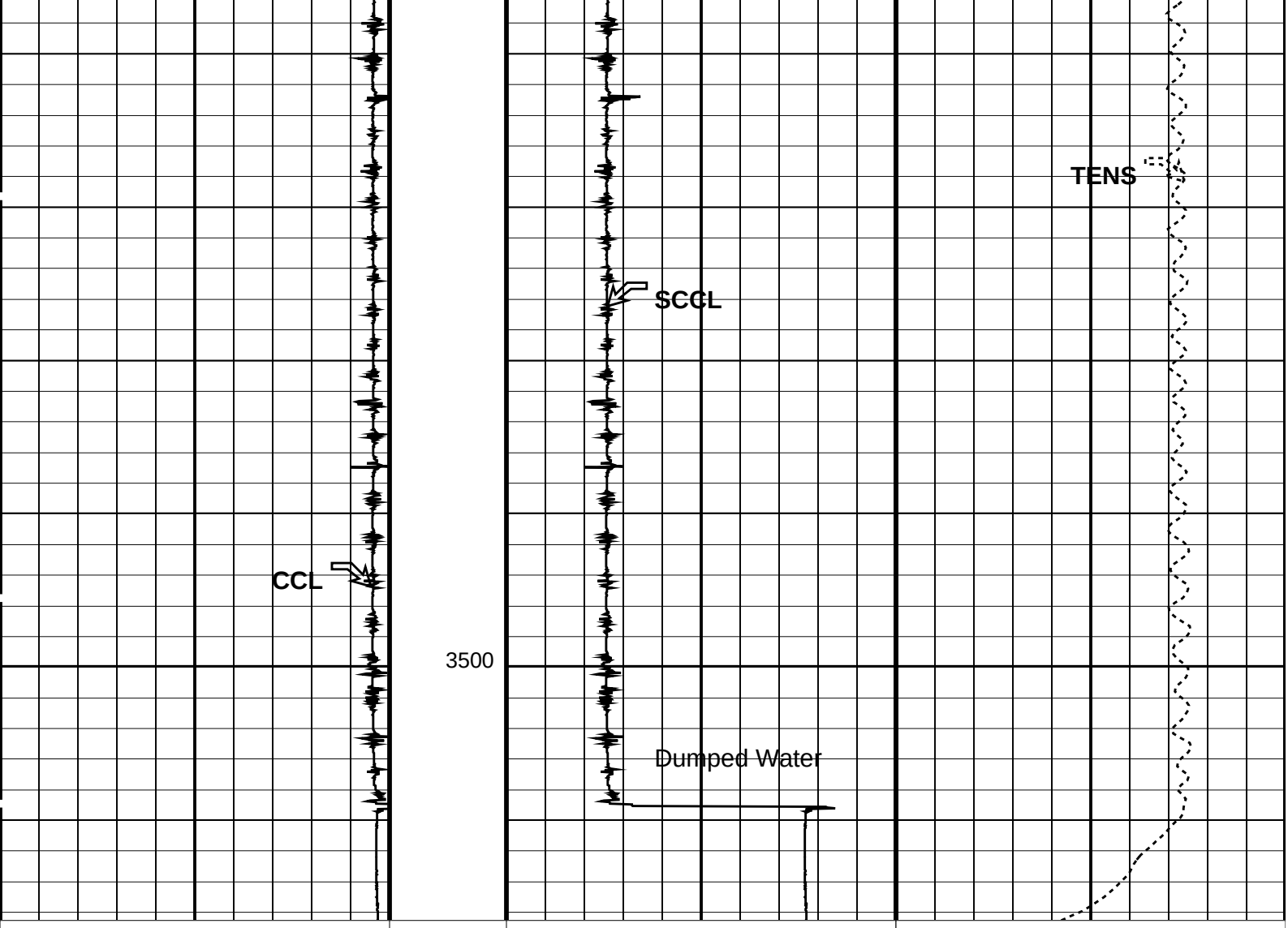
MCM

SHM_GUN 13C0−300 CCL−L 13C0−300

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: 14−Feb−2006 12:07**

## OP System Version: 13C0−300

MCM

| | | | |
|---|---|---|---|
| SHM_GUN | 13C0−300 | CCL−L | 13C0−300 |

## Output DLIS Files

| | | | | |
|---|---|---|---|---|
| DEFAULT | PERFO_061LUP | FN:57 | PRODUCER | 14−Feb−2006 12:07 |

Schlumberger

MPBT 4 1/2" Plug
Station Log

**Company:** **Well:**

# Output DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | MPBT_050LUP | FN:48 | PRODUCER | 14−Feb−2006 09:02 | 12192.0 M | 11935.2 M |

## OP System Version: 13C0−300

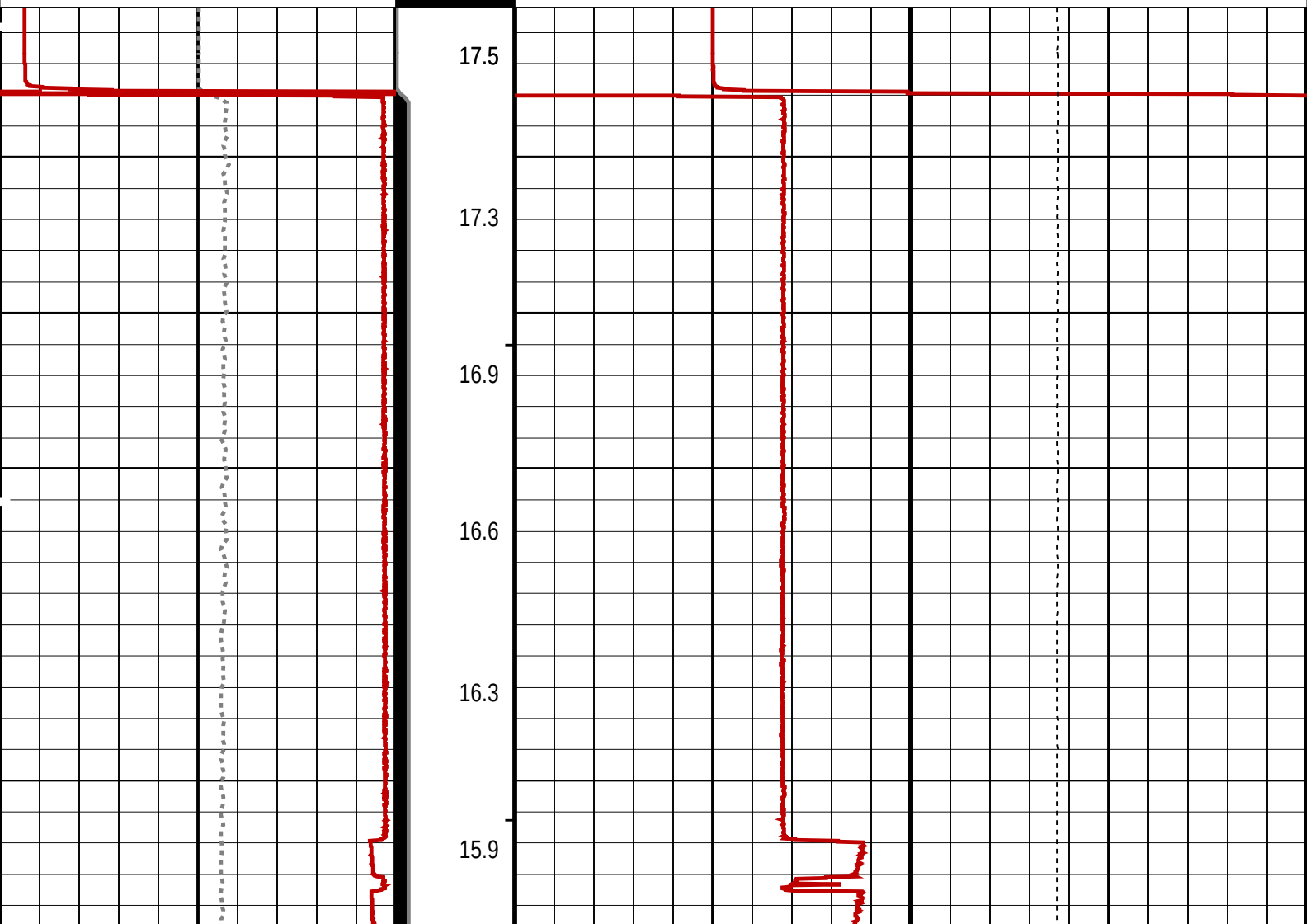
MCM

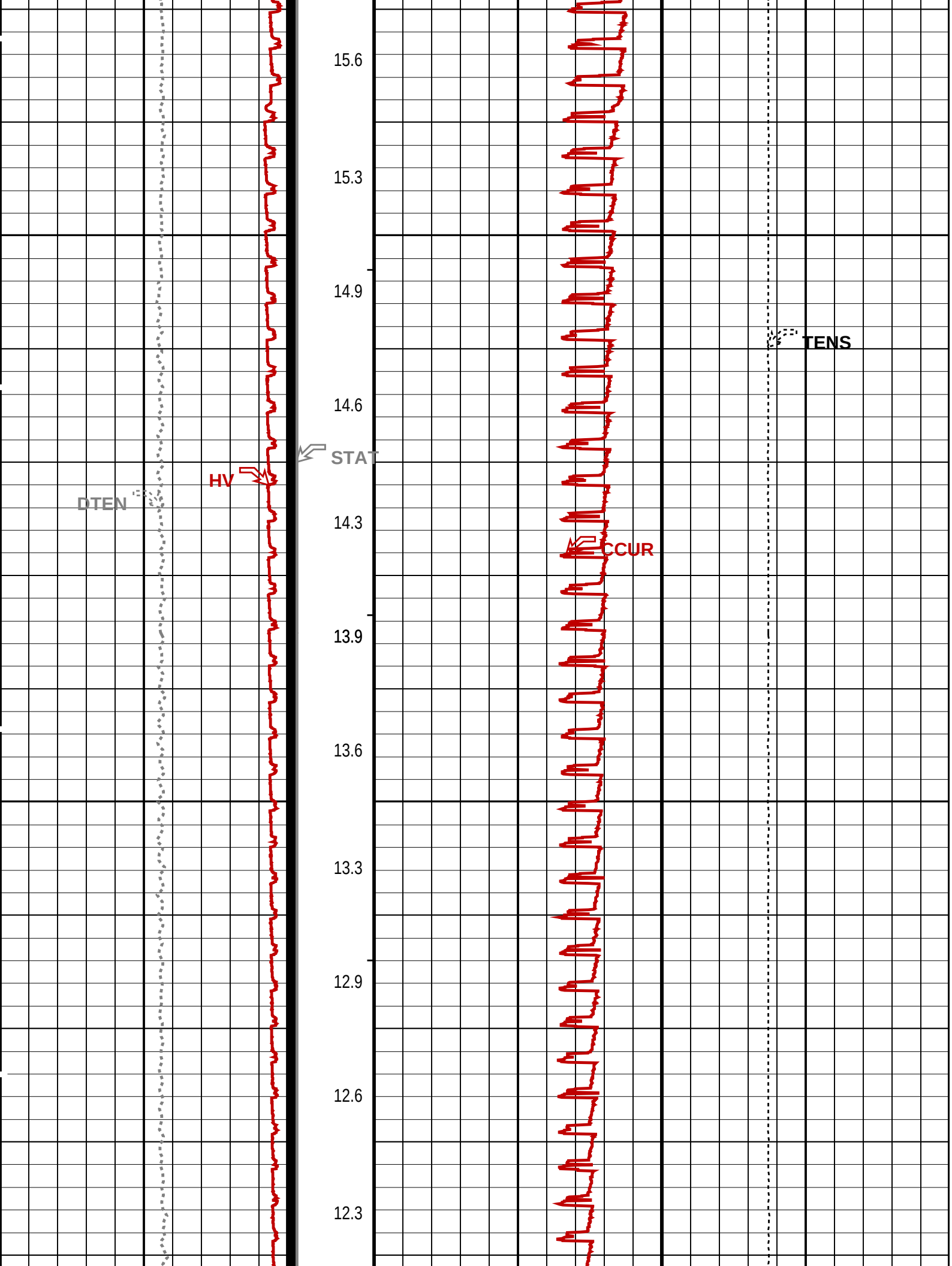
| | | | |
|---|---|---|---|
| MPEX−AA | 13C0−300 | MPSU−CA | 13C0−300 |
| CCL−L | 13C0−300 | | |

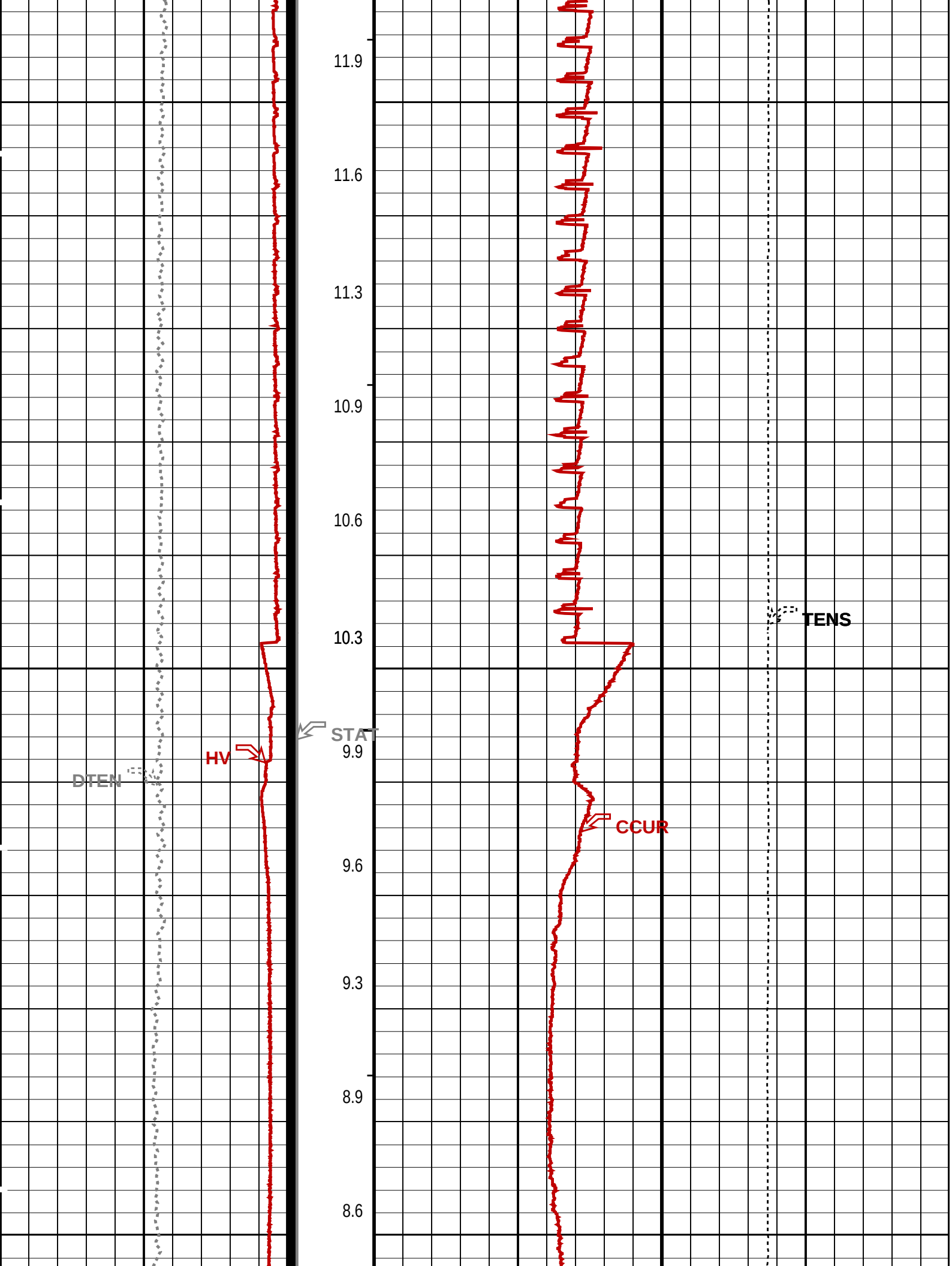
**PIP SUMMARY**

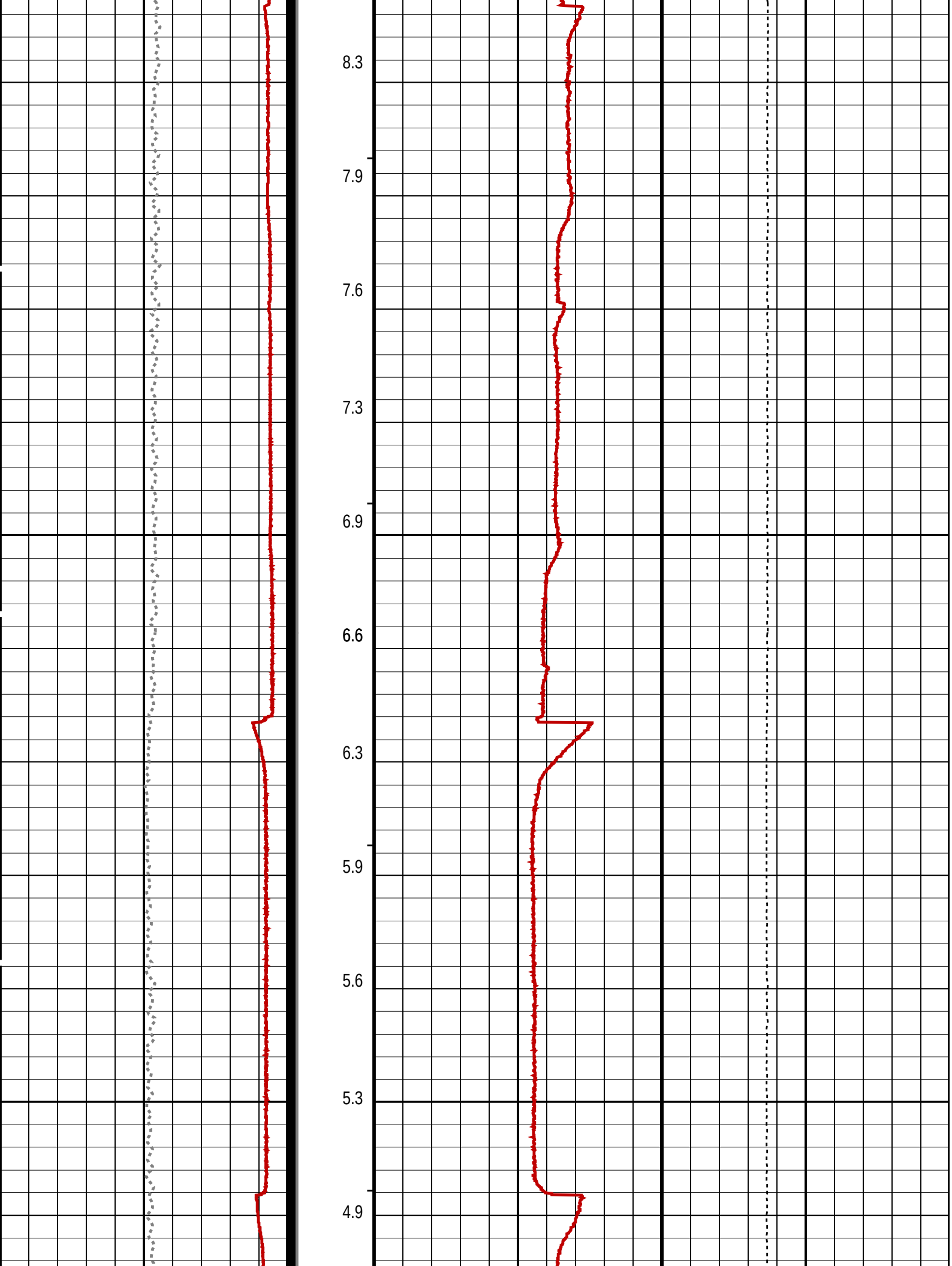
MPSU Run Time Every 1 MN
MPSU Run Time Every 10 MN
Time Mark Every 60 S

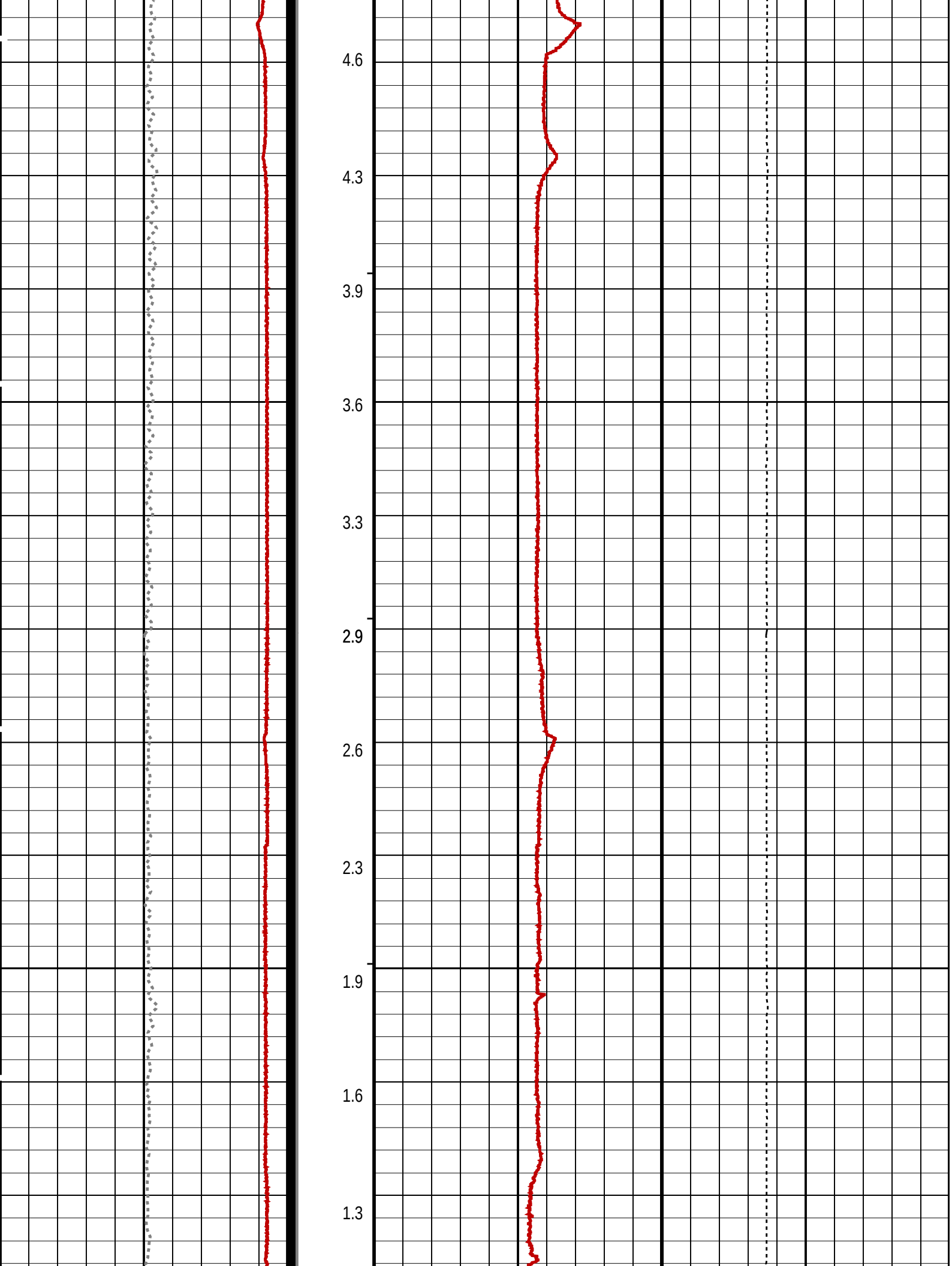
| | | | | |
|---|---|---|---|---|
| | RUN Time (RTIM) (MN) | | | |
| MPSU Head Voltage (HV) 200 (V) 300 | MPSU Run Status (STAT) 0 (−−−−10 | | Tension (TENS) 0 (LBF) 3000 | |
| Differential Tension (DTEN) −200 (LBF) 200 | ON/Int From D3T to STAT | MPBM Cable Current (CCUR) 300 (MA) 700 | | |

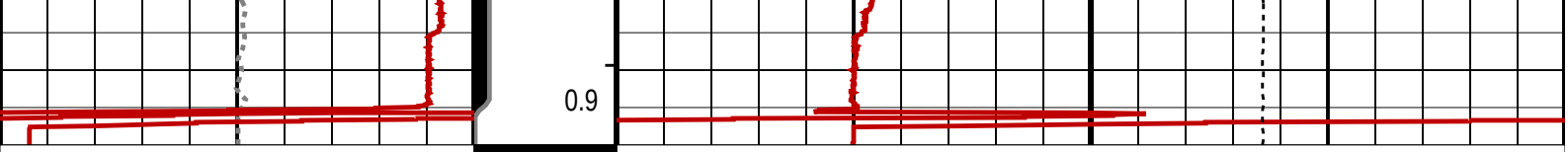



15.6
15.3
14.9
14.6
14.3
13.9
13.6
13.3
12.9
12.6
12.3
STAT
HV
DTEN
CCUR
TENS


11.9
11.6
11.3
10.9
10.6
10.3
9.9
9.6
9.3
8.9
8.6
TENS
STAT
HV
DTEN
CCUR


8.3
7.9
7.6
7.3
6.9
6.6
6.3
5.9
5.6
5.3
4.9


4.6
4.3
3.9
3.6
3.3
2.9
2.6
2.3
1.9
1.6
1.3




| 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) | | |
| 200 | (V) | 300 | 0 (−−−−10 | 0 | (LBF) | 3000 |
| | | | RUN Time (RTIM) (MN) | | | |

**PIP SUMMARY**

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

## Parameters

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

Format: MPBT Vertical Scale: 1:200 Graphics File Created: 14−Feb−2006 09:02

## OP System Version: 13C0−300

MCM

| | | | |
|---|---|---|---|
| MPEX−AA | 13C0−300 | MPSU−CA | 13C0−300 |
| CCL−L | 13C0−300 | | |

## Output DLIS Files

| | | | | | |
|---|---|---|---|---|---|
| DEFAULT | MPBT_050LUP | FN:48 | PRODUCER | 14−Feb−2006 09:02 | |

Schlumberger

# 4.5 " MPBT Plug Correlation Pass

MAXIS Field Log

Company: Well:

## Input DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | Flip_MPBT_053LUP | | PRODUCER | 14−Feb−2006 09:33 | 3490.3 M | 3396.2 M |

## Output DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | MPBT_055PUP | FN:51 | PRODUCER | 14−Feb−2006 09:35 | 3490.3 M | 3396.7 M |

## OP System Version: 13C0−300

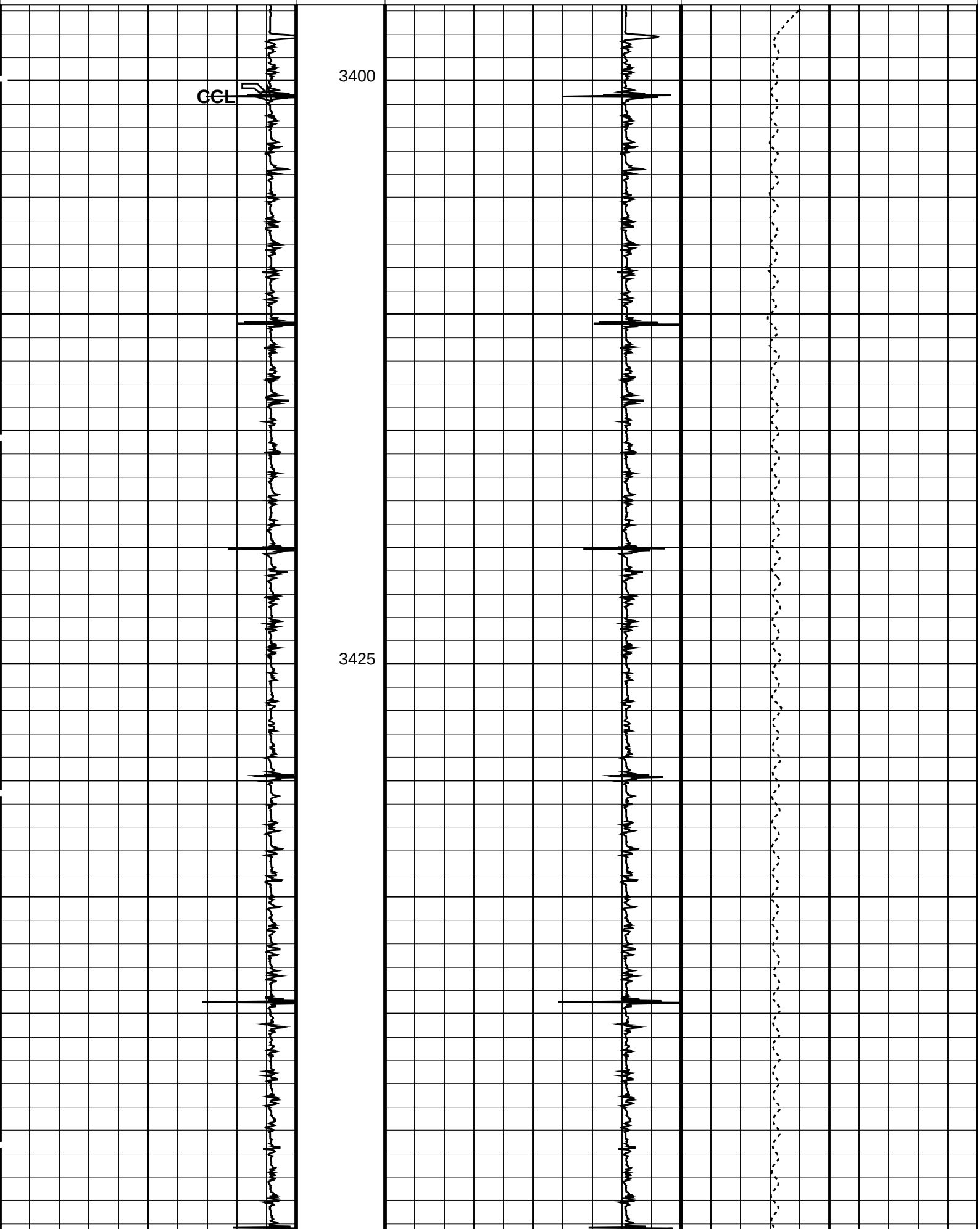
MCM

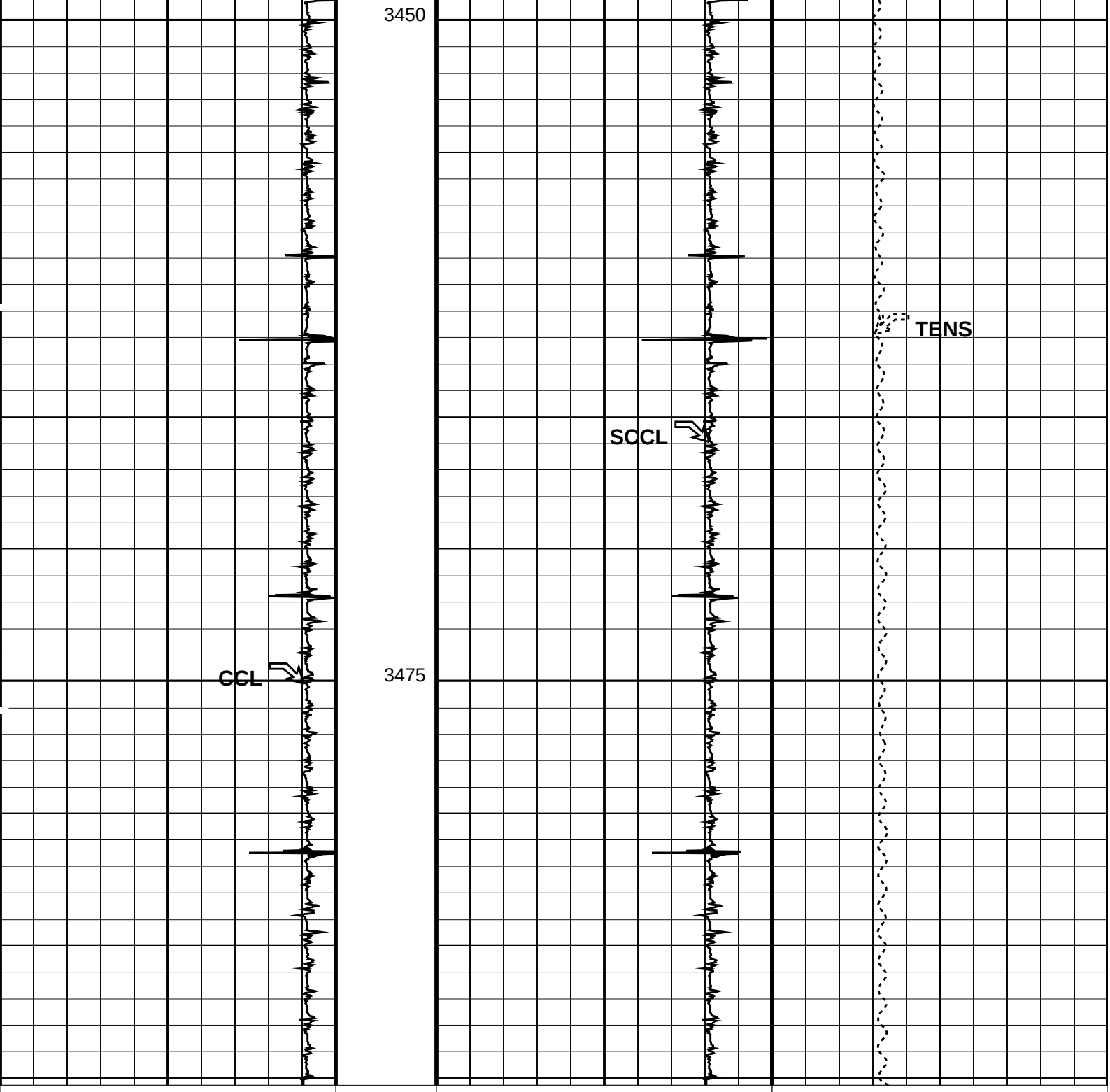
| | | | |
|---|---|---|---|
| MPEX−AA | 13C0−300 | MPSU−CA | 13C0−300 |
| CCL−L | 13C0−300 | | |

**PIP SUMMARY**

Time Mark Every 60 S

| Casing Collar Locator (CCL) | | Shifted Casing Collar Locator (SCCL) | | Tension (TENS) | |
|---|---|---|---|---|---|
| −17 | 3 | −10 | 10 | 0 | 3000 |
| | | | | | (LBF) |






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: 14−Feb−2006 09:35

## OP System Version: 13C0−300

MCM

| | | | |
|---|---|---|---|
| MPEX−AA | 13C0−300 | MPSU−CA | 13C0−300 |
| CCL−L | 13C0−300 | | |

## Input DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | Flip_MPBT_053LUP | | PRODUCER | 14−Feb−2006 09:33 | 3490.3 M | 3396.2 M |

## Output DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | MPBT_055PUP | FN:51 | PRODUCER | 14−Feb−2006 09:35 | | |

Schlumberger

# MPBT 4 1/2" Plug
# Dummy Run

MAXIS Field Log

## Input DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | SPLICE_PSP_025 | FN:1 | PRODUCER | 13−Feb−2006 17:15 | 3526.1 M | 3180.9 M |

## Output DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | PSP_041PUP | FN:39 | PRODUCER | 13−Feb−2006 19:15 | 3526.1 M | 3181.5 M |

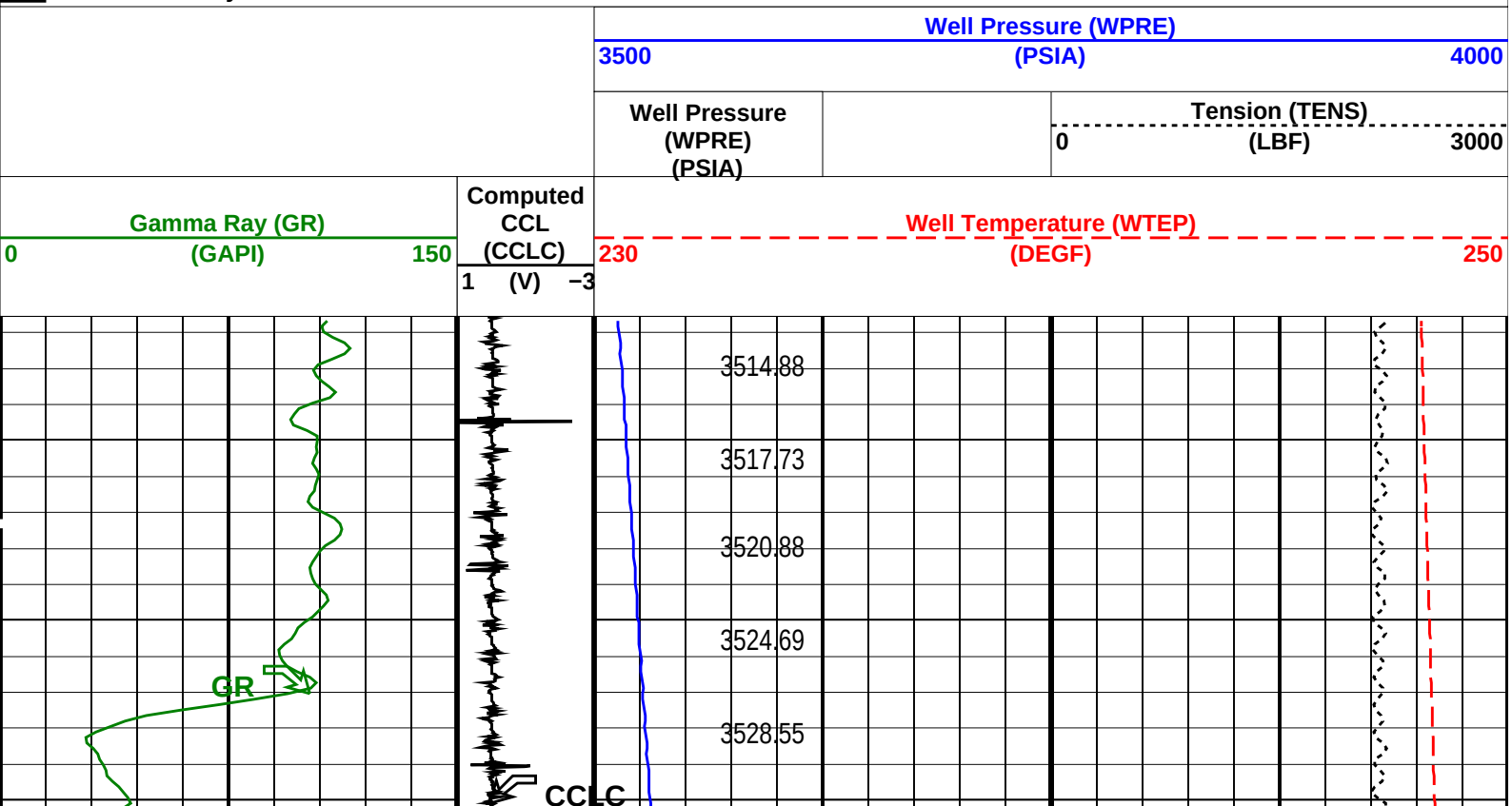
## OP System Version: 13C0−300

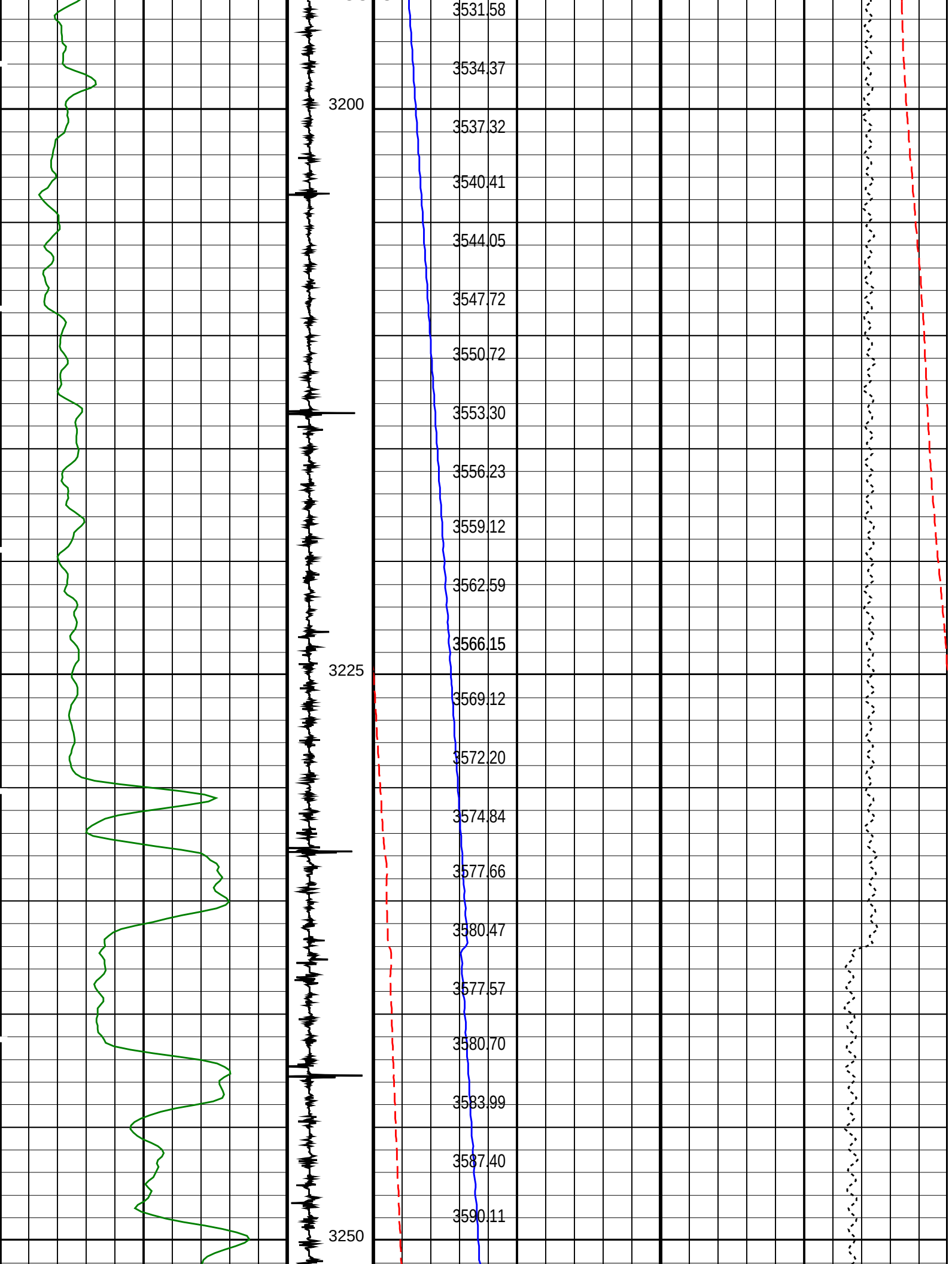
MCM

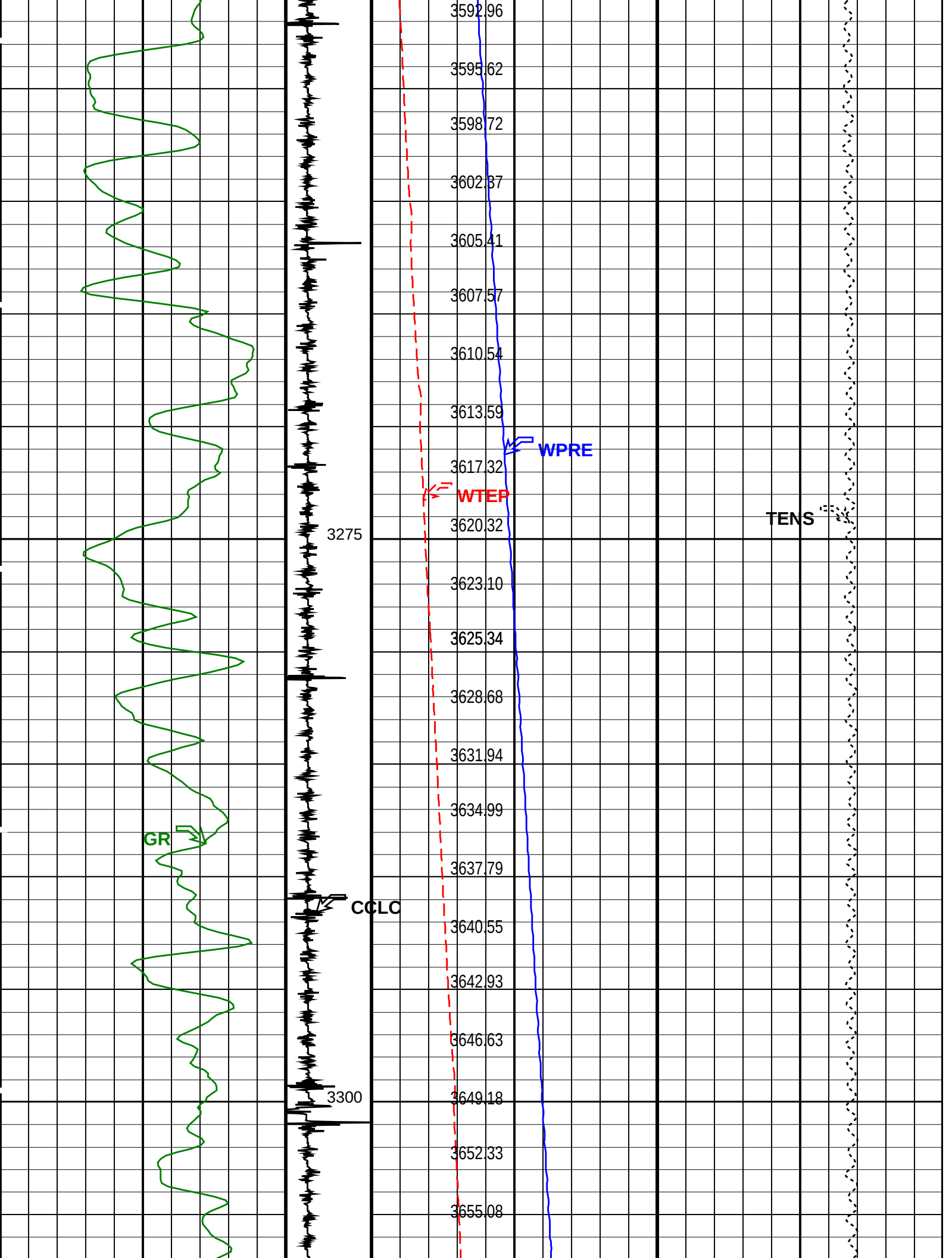
| | |
|---|---|
| PSPT−A/B | 13C0−300 |

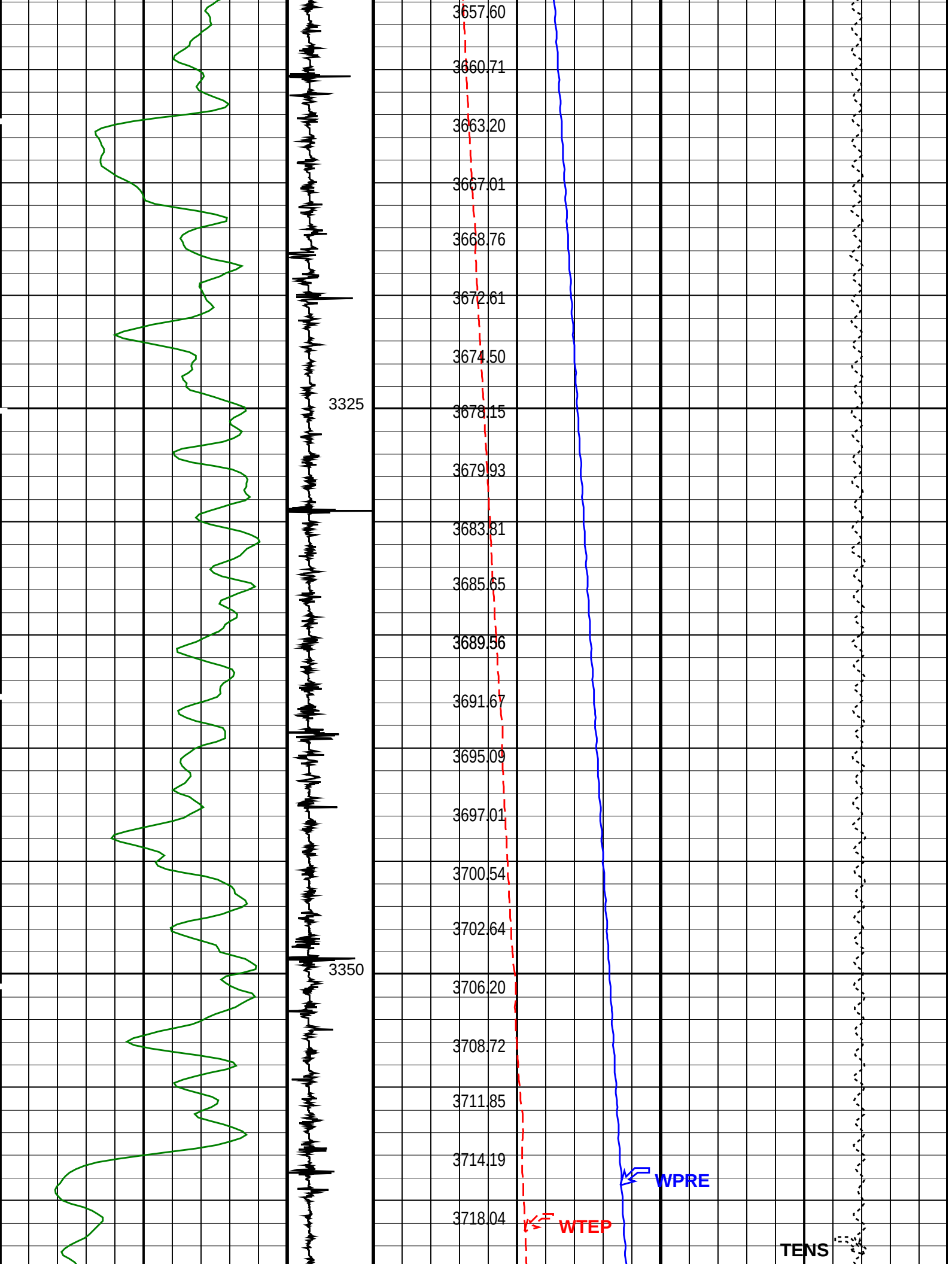
PIP SUMMARY

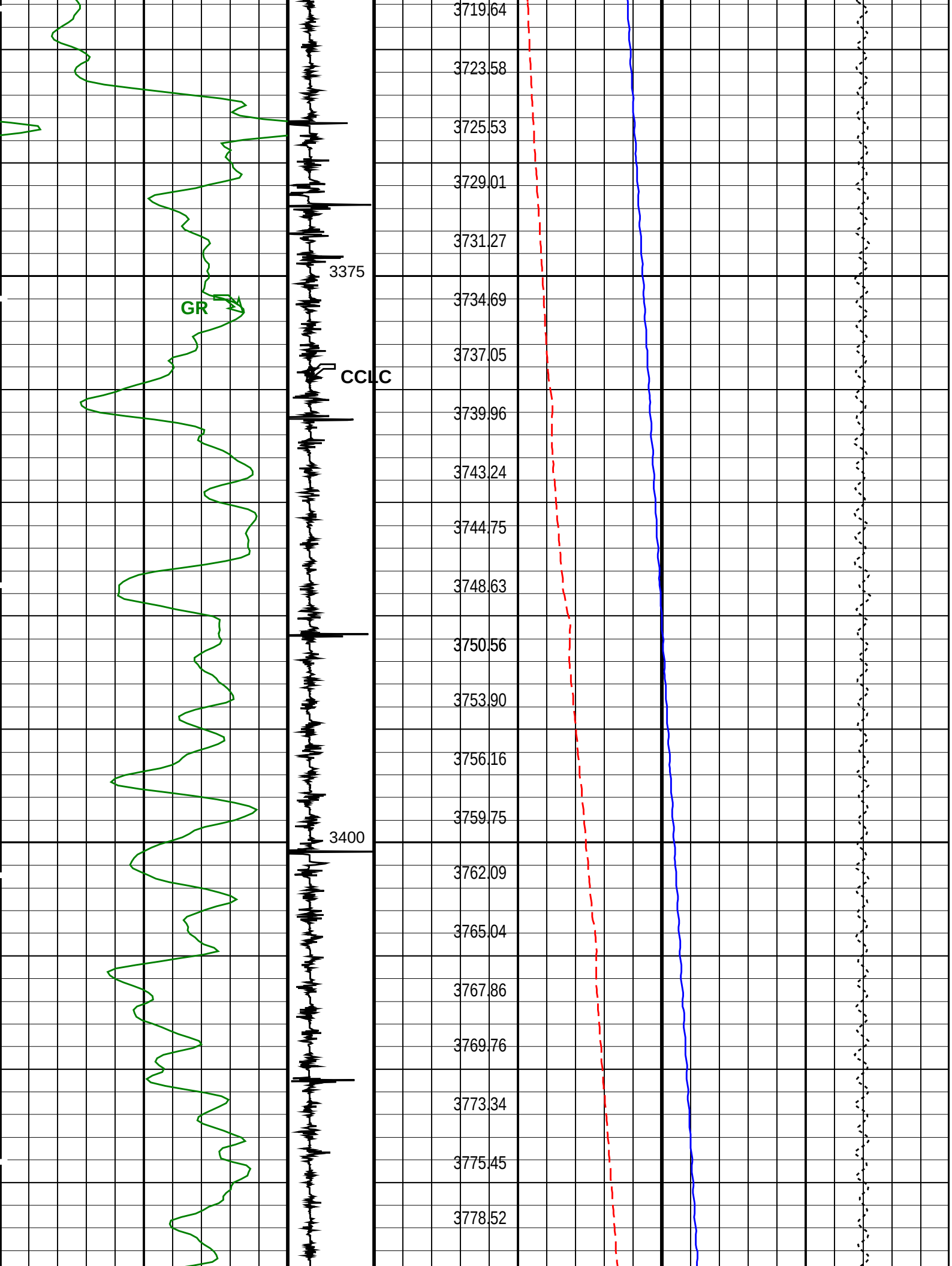
Time Mark Every 60 S

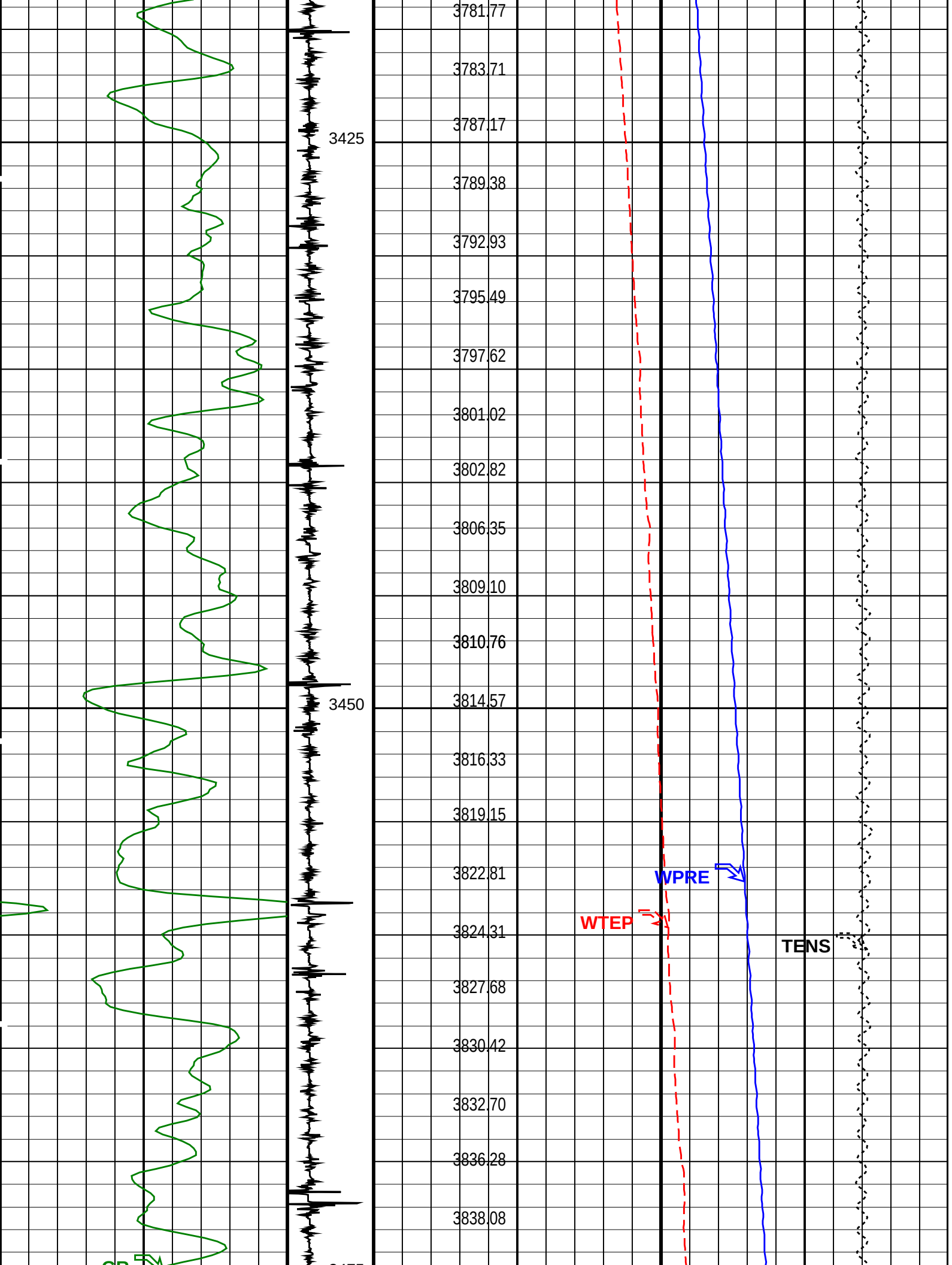


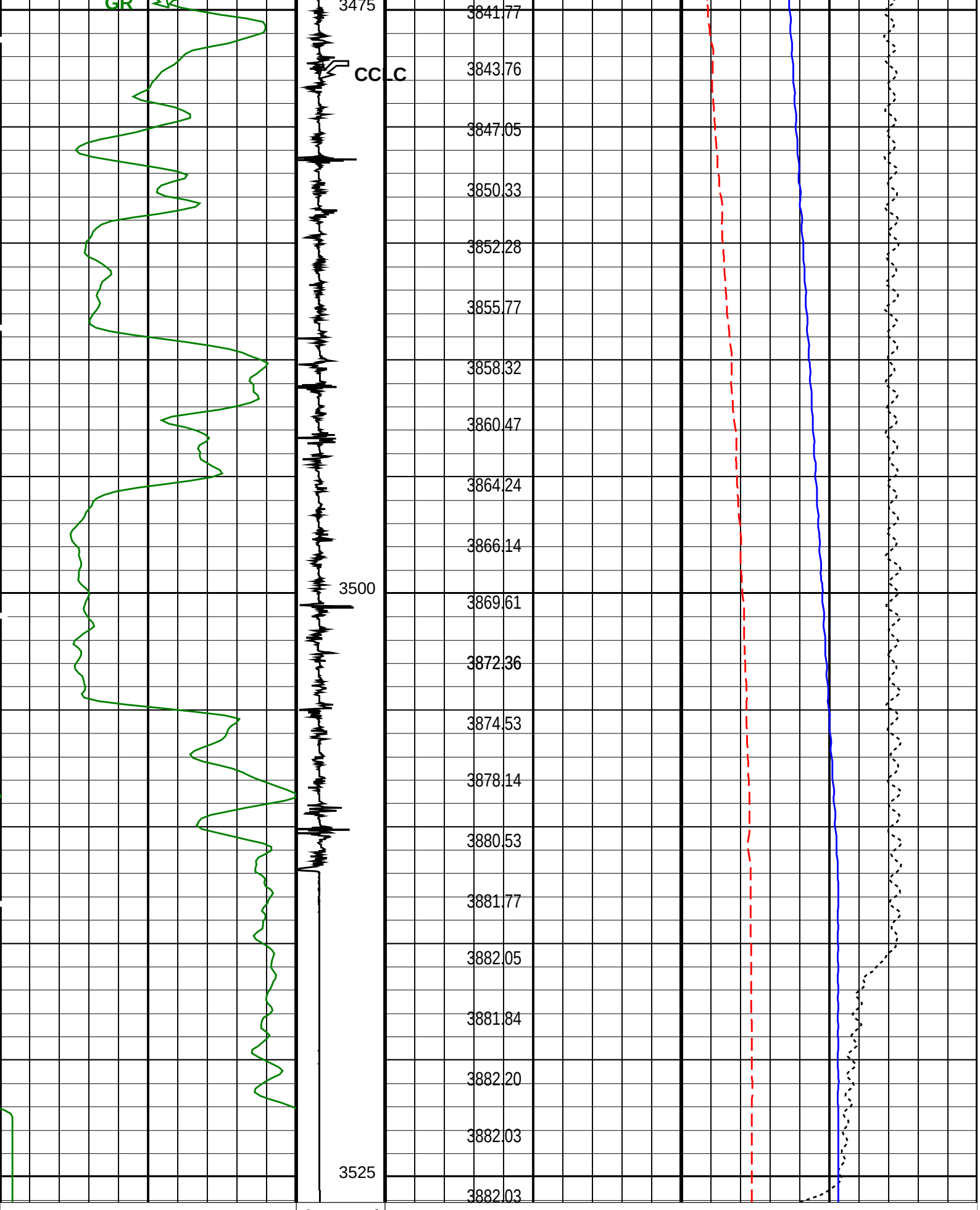

3531.58
3534.37
3200
3537.32
3540.41
3544.05
3547.72
3550.72
3553.30
3556.23
3559.12
3562.59
3566.15
3225
3569.12
3572.20
3574.84
3577.66
3580.47
3577.57
3580.70
3583.99
3587.40
3590.11
3250


3592.96
3595.62
3598.72
3602.37
3605.41
3607.57
3610.54
3613.59
3617.32
3620.32
3623.10
3625.34
3628.68
3631.94
3634.99
3637.79
3640.55
3642.93
3646.63
3649.18
3652.33
3655.08
WPRE
WTEP
TENS
3275
3300
GR
CCLC


3657.60
3660.71
3663.20
3667.01
3668.76
3672.61
3674.50
3325
3678.15
3679.93
3683.81
3685.65
3689.56
3691.67
3695.09
3697.01
3700.54
3702.64
3350
3706.20
3708.72
3711.85
3714.19
WPRE
3718.04
WTEP
TENS


3719.64
3723.58
3725.53
3729.01
3731.27
3375
GR
3734.69
3737.05
CCLC
3739.96
3743.24
3744.75
3748.63
3750.56
3753.90
3756.16
3759.75
3400
3762.09
3765.04
3767.86
3769.76
3773.34
3775.45
3778.52


3781.77
3783.71
3787.17
3789.38
3792.93
3795.49
3797.62
3801.02
3802.82
3806.35
3809.10
3810.76
3814.57
3816.33
3819.15
3822.81
3824.31
3827.68
3830.42
3832.70
3836.28
3838.08
3425
3450
WPRE
WTEP
TENS




Gamma Ray (GR)
0 (GAPI) 150

Computed CCL (CCLC)
1 (V) −3

Well Temperature (WTEP)
230 (DEGF) 250

| Well Pressure (WPRE) (PSIA) | | Tension (TENS) 0 (LBF) 3000 |
|---|---|---|

Well Pressure (WPRE)
3500 (PSIA) 4000

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 13−Feb−2006 19:15

# OP System Version: 13C0−300

MCM

PSPT−A/B 13C0−300

## Parameters

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

## Input DLIS Files

| | | | | | | |
|---|---|---|---|---|---|---|
| DEFAULT | SPLICE_PSP_025 | FN:1 | PRODUCER | 13−Feb−2006 17:15 | 3526.1 M | 3180.9 M |

## Output DLIS Files

| | | | | |
|---|---|---|---|---|
| DEFAULT | PSP_041PUP | FN:39 | PRODUCER | 13−Feb−2006 19:15 |

Schlumberger

# PBMS Coefficient Reports

MAXIS Field Log

| | | | |
|---|---|---|---|
| Client: | Esso Australia Ltd. | Tool: | PSP |
| Field: | Flounder | Sub Type: | PBMS |
| Well: | A−17a | Sensor: | GR |
| Run date: | 19−Mar−2005 | | |

PBMS Gamma Ray

| | |
|---|---|
| Sonde Serial NB | RESISTORS FOR GR SENSOR N.33490,TOOL PBMS−BA1835. SENSOR S/N: |
| Sensor Serial NB | 33490 |
| Calib Date ddmmyy | 280302 |
| Matrix Size | 12 |
| Coeff CRC | ABA2 |

GR HV Rt

| | Rt**0 | Rt**1 |
|---|---|---|
| Rt**0 | +.150000000000e+04 | +.226000000000e+04 |

| | | | |
|---|---|---|---|
| **Client:** | **Esso Australia Ltd.** | **Tool:** | **PSP** |
| **Field:** | **Flounder** | **Sub Type:** | **PBMS** |
| **Well:** | **A−17a** | **Sensor:** | **CQG** |
| **Run date:** | **19−Mar−2005** | | |

**PBMS Quartz Gauge type F**

| | |
|---|---|
| **Sonde Serial NB** | **COEFFICIENTS FOR CQG PBMS−B.1835 S/N:** |
| **Sensor Serial NB** | **1835** |
| **Calib Date ddmmyy** | **110903** |
| **Matrix Size** | **66** |
| **Coeff CRC** | **E327** |

**Pres Coeff**

| | **Fb**0** | **Fb**1** | **Fb**2** |
|---|---|---|---|
| **Fc**0** | +.710621998670E+04 | +.177487059936E−01 | −.229282744373E−06 |
| **Fc**1** | −.107674891182E+01 | −.130703989514E−04 | −.104866616035E−09 |
| **Fc**2** | +.106597883422E−05 | +.473287804902E−10 | +.130673536902E−14 |
| **Fc**3** | +.259070533723E−11 | +.447781122059E−16 | 0.0 |
| **Fc**4** | 0.0 | 0.0 | 0.0 |
| **Fc**5** | 0.0 | 0.0 | 0.0 |

| | **Fb**3** | **Fb**4** | **Fb**5** |
|---|---|---|---|
| **Fc**0** | −.798970484327E−10 | −.998501593992E−15 | −.541951618457E−19 |
| **Fc**1** | +.252556181648E−16 | +.254168506173E−19 | 0.0 |
| **Fc**2** | 0.0 | 0.0 | 0.0 |
| **Fc**3** | 0.0 | 0.0 | 0.0 |
| **Fc**4** | 0.0 | 0.0 | 0.0 |
| **Fc**5** | 0.0 | 0.0 | 0.0 |

**PBMS Quartz Gauge type F**

| | |
|---|---|
| **Sonde Serial NB** | **:** |

**Sensor Serial NB** 1835
**Calib Date ddmmyy** 110903
**Matrix Size** 66
**Coeff CRC** EFDB

**Temp Coeff**

| | Fc**0 | Fc**1 | Fc**2 |
|---|---|---|---|
| Fb**0 | +.114463609805E+03 | −.357036761772E−03 | +.740368475392E−08 |
| Fb**1 | −.599116576037E−02 | +.168968640462E−07 | +.971180102280E−13 |
| Fb**2 | −.313476896781E−07 | +.280855756389E−12 | +.522594387624E−17 |
| Fb**3 | −.345232285412E−12 | +.132578528655E−16 | 0.0 |
| Fb**4 | 0.0 | 0.0 | 0.0 |
| Fb**5 | 0.0 | 0.0 | 0.0 |

| | Fc**3 | Fc**4 | Fc**5 |
|---|---|---|---|
| Fb**0 | −.662555121972E−13 | −.128735497716E−16 | +.201686421407E−20 |
| Fb**1 | +.105450979419E−17 | +.291282503656E−22 | 0.0 |
| Fb**2 | 0.0 | 0.0 | 0.0 |
| Fb**3 | 0.0 | 0.0 | 0.0 |
| Fb**4 | 0.0 | 0.0 | 0.0 |
| Fb**5 | 0.0 | 0.0 | 0.0 |

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**PBMS Quartz Gauge type F**
**Sonde Serial NB** :
**Sensor Serial NB** 1835
**Calib Date ddmmyy** 110903
**Matrix Size** 16
**Coeff CRC** DEBD

**Clock Freq Coeff**

| | (Fb'−Fc')**0 | (Fb'−Fc')**1 | (Fb'−Fc')**2 |
|---|---|---|---|
| (Fb'−Fc')**0 | +.310767528869E+05 | +.335592525104E−02 | +.755555221694E−06 |

| | (Fb'−Fc')**3 | (Fb'−Fc')**4 | (Fb'−Fc')**5 |
|---|---|---|---|
| (Fb'−Fc')**0 | −.663132027543E−10 | −.304510933886E−15 | −.221699107190E−20 |

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**PBMS Quartz Gauge type F**
**Sonde Serial NB** :
**Sensor Serial NB** 1835
**Calib Date ddmmyy** 110903
**Matrix Size** 16
**Coeff CRC** 9BC5

**Clock Temp Coeff**

**Clock Temp Coeff**

| | (Fb'−Fc')**0 | (Fb'−Fc')**1 | (Fb'−Fc')**2 |
|---|---|---|---|
| (Fb'−Fc')**0 | +.117006070216E+03 | −.563318421010E−02 | −.321069862747E−07 |

| | (Fb'−Fc')**3 | (Fb'−Fc')**4 | (Fb'−Fc')**5 |
|---|---|---|---|
| (Fb'−Fc')**0 | +.266467699086E−12 | +.176013008412E−17 | −.287423561499E−21 |

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| | | | |
|---|---|---|---|
| **Client:** | **Esso Australia Ltd.** | **Tool:** | **PSP** |
| **Field:** | **Flounder** | **Sub Type:** | **PBMS** |
| **Well:** | **A−17a** | **Sensor:** | **WellTemp RTD** |
| **Run date:** | **19−Mar−2005** | | |

**PBMS RTD Well Thermometer**

| | |
|---|---|
| **Sonde Serial NB** | **COEFFICIENTS FOR RTD THERMOMETER PBMS−B.1835 S/N:** |
| **Sensor Serial NB** | **1835** |
| **Calib Date ddmmyy** | **110903** |
| **Matrix Size** | **16** |
| **Coeff CRC** | **17D6** |

**WTemp Coeff**

| | Tt**0 | Tt**1 | Tt**2 |
|---|---|---|---|
| Tt**0 | −.421083036710E+03 | +.205647137377E+03 | −.427997982499E+02 |

| | Tt**3 | Tt**4 | Tt**5 |
|---|---|---|---|
| Tt**0 | +.842001833552E+01 | −.575216642231E+00 | 0.0 |

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Company: **Esso Australia Ltd.**

Schlumberger

Well: **FLA A_17a**
Field: **Flounder**
Rig: **Prod 4**
Country: **Australia**

2 1/8" Enerjet Gun MWPT
Perforation Record
MPBT 4.5" Plug Setting Record