



**Company:** ExxonMobil

**Well:** MLA A-6a

**Field:** Marlin

**Rig:** Crane / Prod 4

**Country:** Australia

## Dummy Plug 7" MPBT Plug Dump Bailer Record

**Rig:** Crane / Prod 4  
**Field:** Marlin  
**Location:** Gippsland Basin  
**Well:** MLA A-6a  
**Company:** ExxonMobil

### LOCATION

Gippsland Basin Bass Strait	Elev.: K.B. 27.9 m G.L. -59 m D.F. 27.9 m	
Permanent Datum: _____	Mean Sea Level _____	Elev.: 0.0 m _____
Log Measured From: _____	Kelly Bushing _____	27.4 m above Perm. Datum
Drilling Measured From: _____	Kelly Bushing _____	
State: Victoria	Max. Well Deviation 50 deg	Longitude 148 13' 09.81" E Latitude 38 13' 55.49" S

Logging Date	31-Dec-2005		
Run Number	1-4		
Depth Driller	3563 m		
Schlumberger Depth	3463 m - Not Tagged		
Bottom Log Interval	3426.0 m		
Top Log Interval	3426.0 m		
Casing Fluid Type	Gas		
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	8.500 in		
From			
To			
Casing/Tubing Size	7.000 in		
Weight	26 lbn/ft		
Grade	L-80		
From	10.40 m		
To	3563.0 m		
Maximum Recorded Temperatures	129 degC		
Logger On Bottom	31-Dec-2005	16:45	
Unit Number	1	AUSL	
Recorded By	Paul Tarrant		
Witnessed By	Greg Rimmer		

### PVT DATA

Oil Density		Run 1	Run 2	Run 3
Water Salinity				
Gas Gravity				
Bo				
Bw				
1/Bg				
Bubble Point Pressure				
Bubble Point Temperature				
Solution GOR				
Maximum Deviation	50 deg			
CEMENTING DATA				
Primary/Squeeze	Primary			
Casing String No				
Lead Cement Type				
Volume				
Density				
Water Loss				
Additives				
Tail Cement Type				
Volume				
Density				
Water Loss				
Additives				
Expected Cement Top				

Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Fluid Type			
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size			
From			
To			
Casing/Tubing Size			
Weight			
Grade			
From			
To			
Maximum Recorded Temperatures			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

## DEPTH SUMMARY LISTING

Date Created: 30-DEC-2005 12:41:34

### Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-H	Type: CMTD-C	Type: 2-32ZT
Serial Number: 797	Serial Number: 1037	Serial Number: 22372
Calibration Date: 01-May-2005	Calibration Date: 22 Sep 05	Length: 5099.91 M
Calibrator Serial Number: 1009	Calibrator Serial Number: 57144	Conveyance Method: Wireline
Calibration Cable Type: 2-32ZT	Calibration Gain: 1.29	Rig Type: Offshore_Fixed
Wheel Correction 1: -3	Calibration Offset: 777.00	
Wheel Correction 2: 2		

### Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Solar Log
Reference Log Run Number:	Unknown
Reference Log Date:	31-Mar-2004

### Depth Control Remarks

1. 2. 3. 4. 5. 6.
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OTHER SERVICES1
OS1: MWPT 2 1/8" EJ Gun
OS2:
OS3:
OS4:
OS5:
REMARKS: RUN NUMBER 1
Log correlated to Solar log, dated 31 Mar 2004, provided by the client.

Objective:
RIH with dummy plug and work over the setting depth of 3426m MDKB.
RIH with 7" MPBT Plug, correlate and set Top of Seal at 3426m MDKB.
Make two runs with Dump Bailer, one with water, the other
with cement, giving approximately 1.1m of cement on top of plug.
CCL to Tool Bottom - 6.6m

CCL to Tool Bottom = 0.6m  
 Tool Bottom to TOS = 0.5m  
 CCL to TOS = 7.1m  
 CCL Stop Depth = 3418.9m MDKB  
 Plug was set 2m higher due to a casing collar located at 3428.1m MDKB.

Specialist: Paul Tarrant  
 Operators: Jakob Annear & Brendon Flynn  
 Performed by Schlumberger

RUN 1			RUN 2		
PROGRAM VERSION:		AUSL05148532	PROGRAM VERSION:		
FLUID LEVEL:		13C0-300	FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

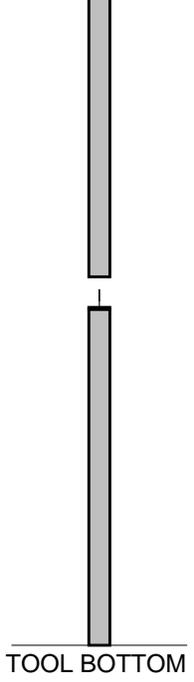
## EQUIPMENT DESCRIPTION

RUN 1	RUN 2
SURFACE EQUIPMENT	SURFACE EQUIPMENT
MPBM 81	WITM (SHM)

DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
AH-SWBS AH-SWBS 731		12.71	AH-SWBS AH-SWBS 762		16.57
AH-SWBS AH-SWBS 763		12.02	AH-SWBS AH-SWBS 731		15.87
AH-SWBS AH-SWBS 761		11.34	AH-SWBS AH-SWBS 761		15.17
AH-SWBS AH-SWBS 762		10.65	AH-SWBS AH-SWBS 762		14.47
MH-SWHS MH-SWHS 736		9.97	MH-SWHS		13.77
CCL-L CCL-L 4195		9.64	CCL-L CCL-L 4191		13.44
MPSU-CA MPSU-CA 1011		9.18	AH-DB-TT AH-DB-TT		12.98
	CCL Tachomete Cable Cur Head Volt Tension — TOOL ZERO			Tension CCL — TOOL ZERO	

MPEX-EA\_S  
MPEX-EA\_S

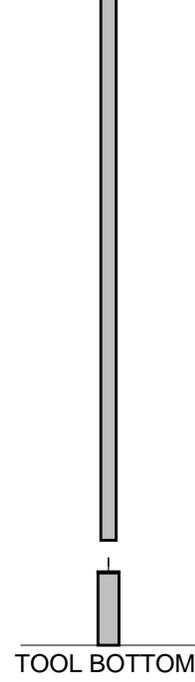
2.77



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

SHM\_GUN  
GUN

0.79



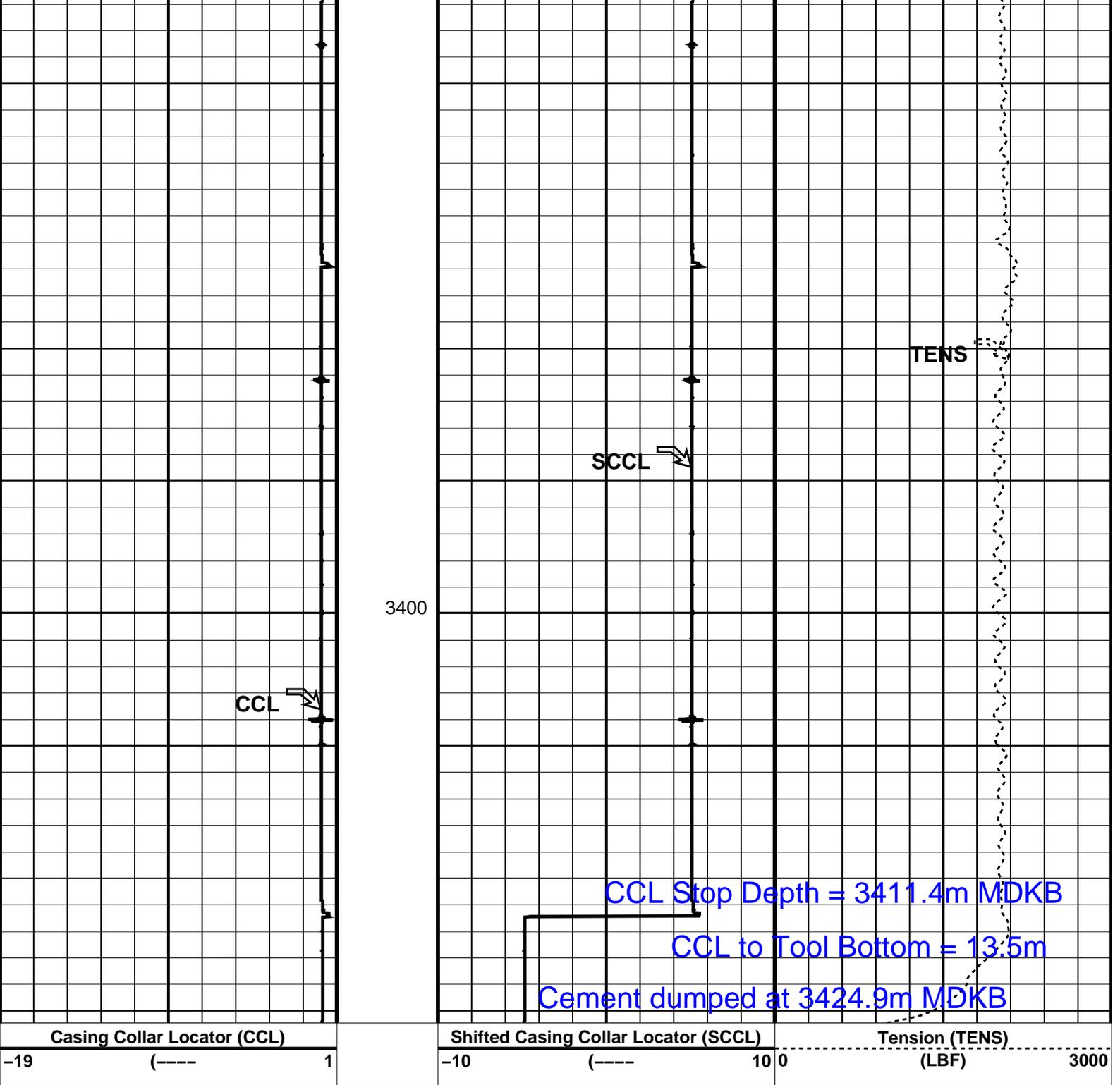
MAXIMUM STRING DIAMETER 2.13 IN  
MEASUREMENTS RELATIVE TO TOOL ZERO  
ALL LENGTHS IN METERS

Client: ExxonMobil  
Well: MLA A-6a  
Field: Marlin  
State: Victoria  
Country: Australia

Rig Name: Marlin  
Reference Datum: Kelly Bushing  
Elevation: 27.9 m

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String	
	OD	ID	MD		MD	OD	ID		
Tubing Hanger	13.375	4.500	11.3					Casing String Liner Hanger	
Tubing	4.500		11.3		10.4	13.375	7.000		
Shutin Valve	4.500		448.9						
Gas Lift Mandrel	4.500		477.3						
Gas Lift Mandrel	4.500		746.2						
Gas Lift Mandrel	4.500		1169.8						
Gas Lift Mandrel	4.500		1303.6		1013.2	13.375			Casing Shoe
Nipple	4.500		1319.2						





### Parameters

DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator CCL reset delay	12 IN
CCLT	CCL Detection Level	0.3 V
DO	System and Miscellaneous Depth Offset for Playback	0.4 M
PP	Playback Processing	NORMAL

Format: PERFO      Vertical Scale: 1:200      Graphics File Created: 02-Jan-2006 14:35

**OP System Version: 13C0-300**  
MCM

SHM\_GUN      SRC-2820-ASFS-WPP\_k      CCL-L      13C0-300

### Input DLIS Files

### Output DLIS Files



2 1/8" Dump Bailer  
Run 1 - Water

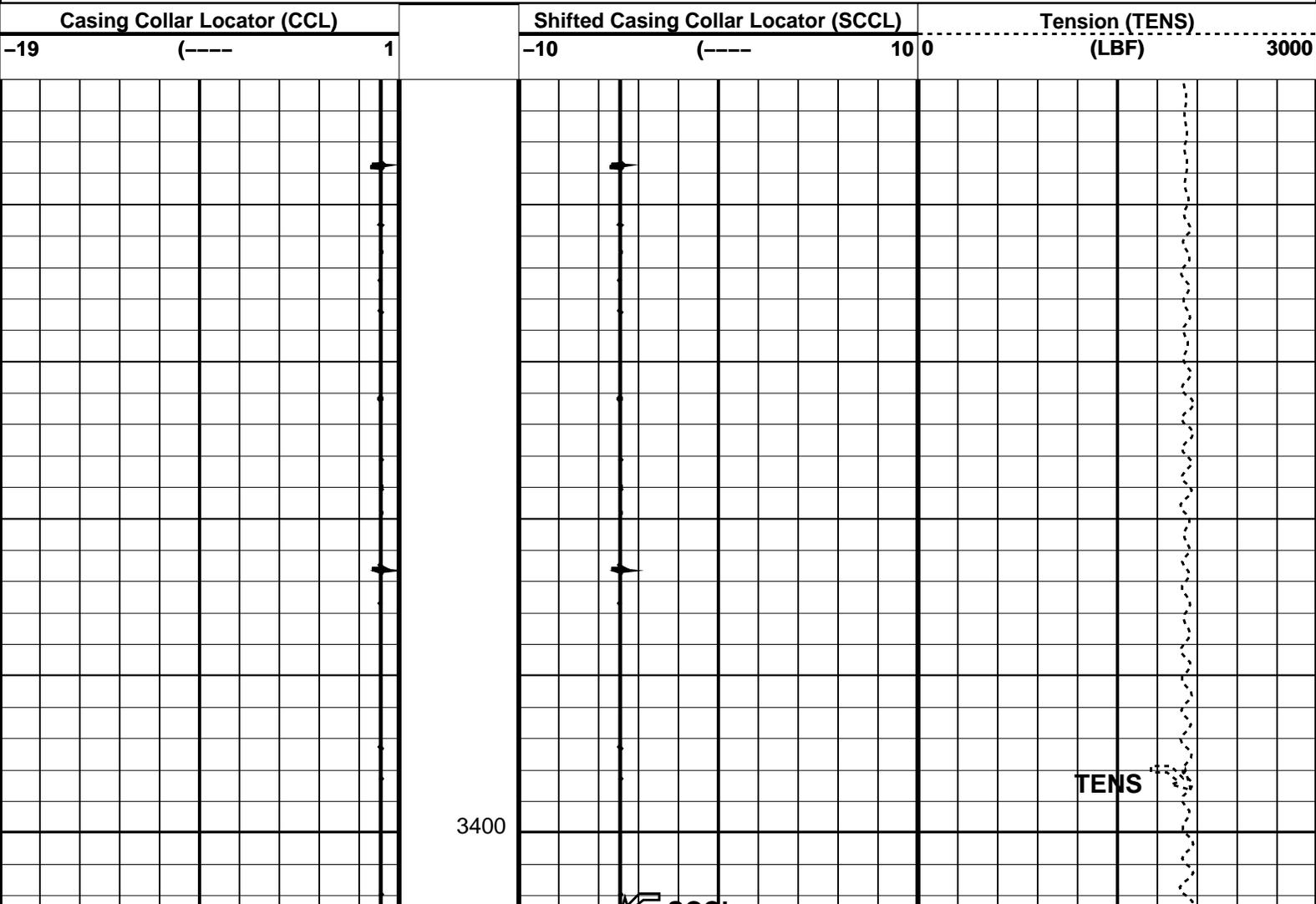
MAXIS Field Log

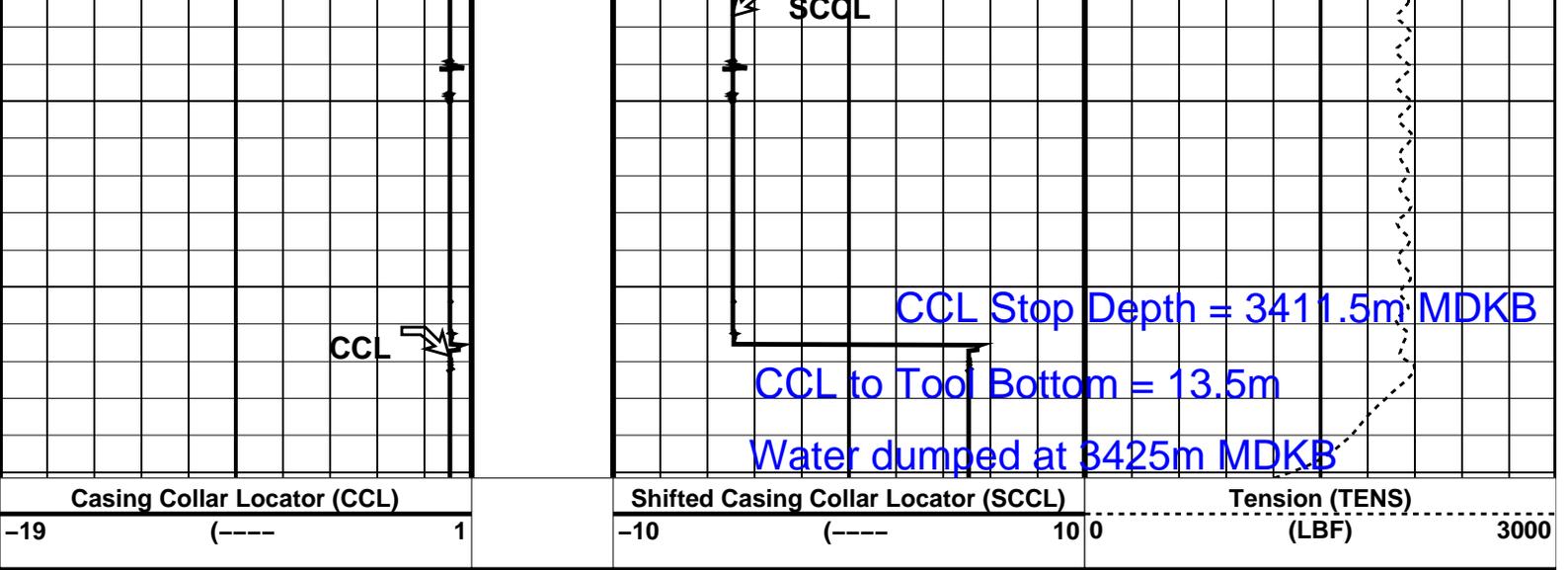
### Input DLIS Files

### Output DLIS Files

### OP System Version: 13C0-300

MCM





**Parameters**

DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	
CCLT	CCL reset delay	12 IN
	CCL Detection Level	0.3 V
	System and Miscellaneous	
DO	Depth Offset for Playback	0.5 M
PP	Playback Processing	NORMAL

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 02-Jan-2006 12:09

**OP System Version: 13C0-300**  
MCM

SHM_GUN	SRC-2820-ASFS-WPP_k	CCL-L	13C0-300
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**Input DLIS Files**

DEFAULT	PERFO_022LUP	FN:21	PRODUCER	02-Jan-2006 11:44	3414.7 M	3375.1 M
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**Output DLIS Files**

DEFAULT	PERFO_023PUP	FN:22	PRODUCER	02-Jan-2006 12:09		
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7" MPBT Plug  
Setting Pass

MAXIS Field Log

**Output DLIS Files**

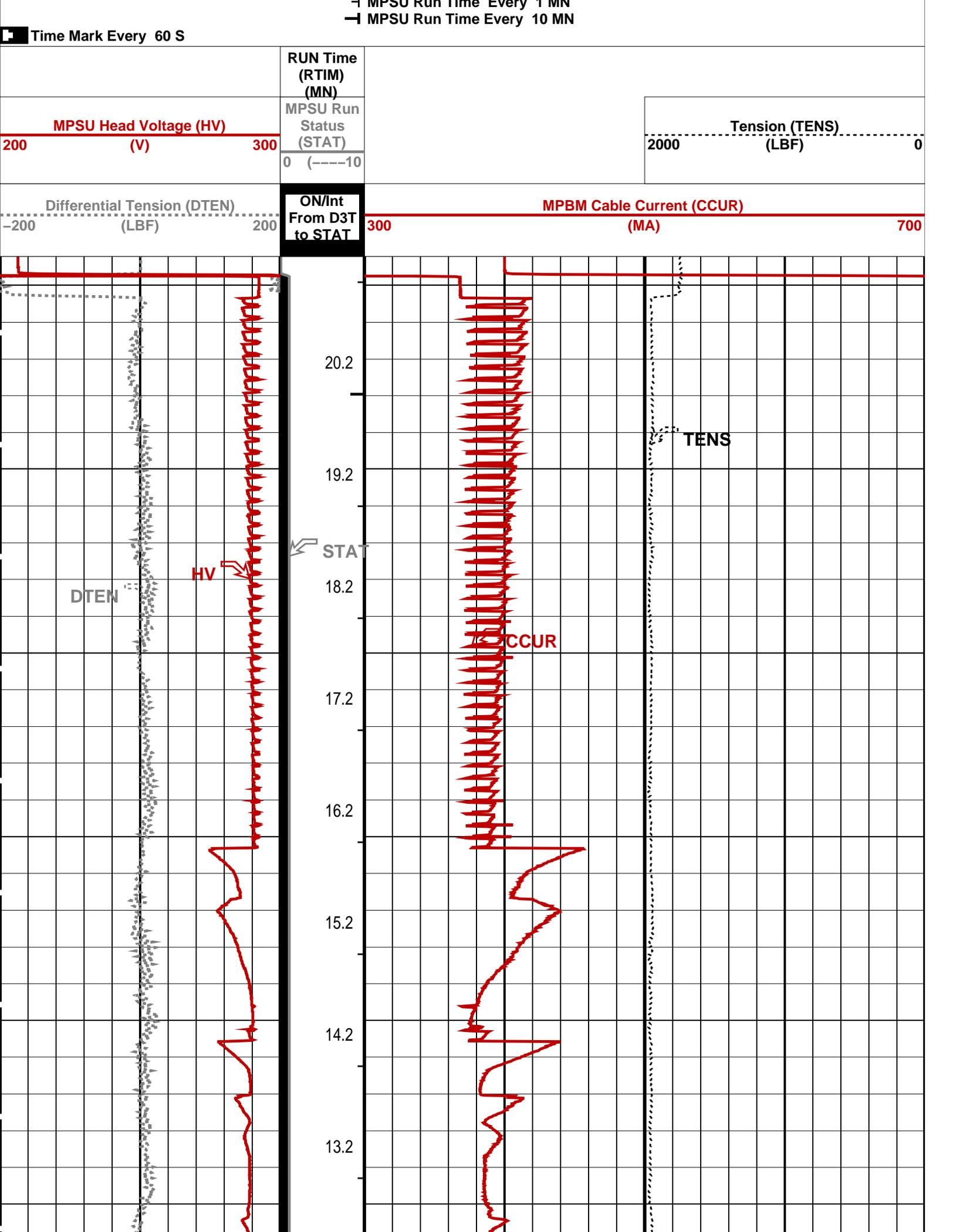
DEFAULT	CCL_018LUP	FN:17	PRODUCER	02-Jan-2006 08:22	12192.0 M	11871.1 M
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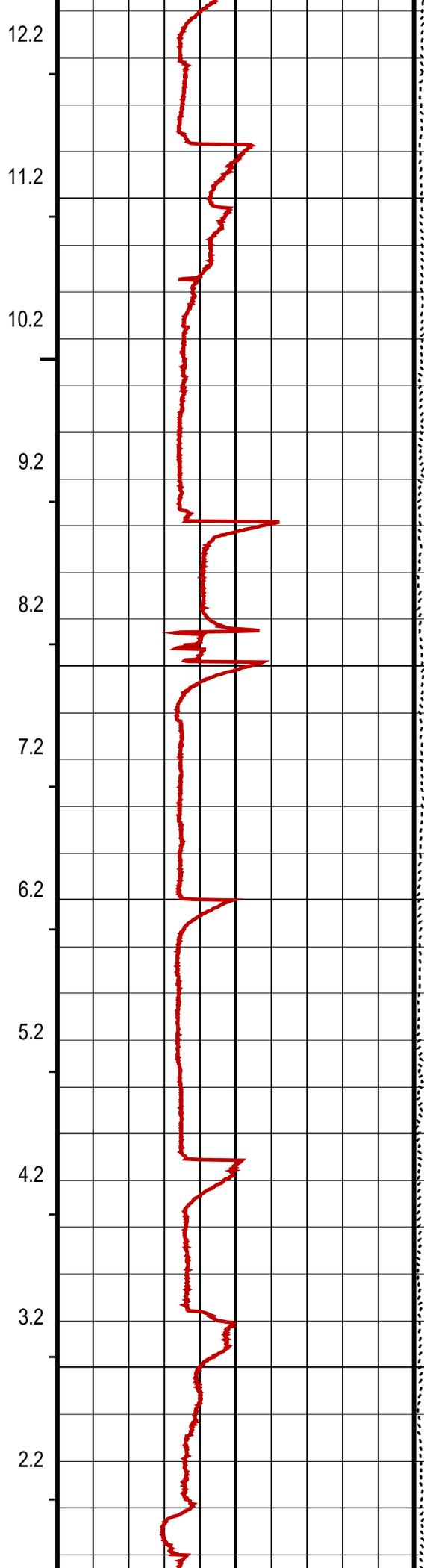
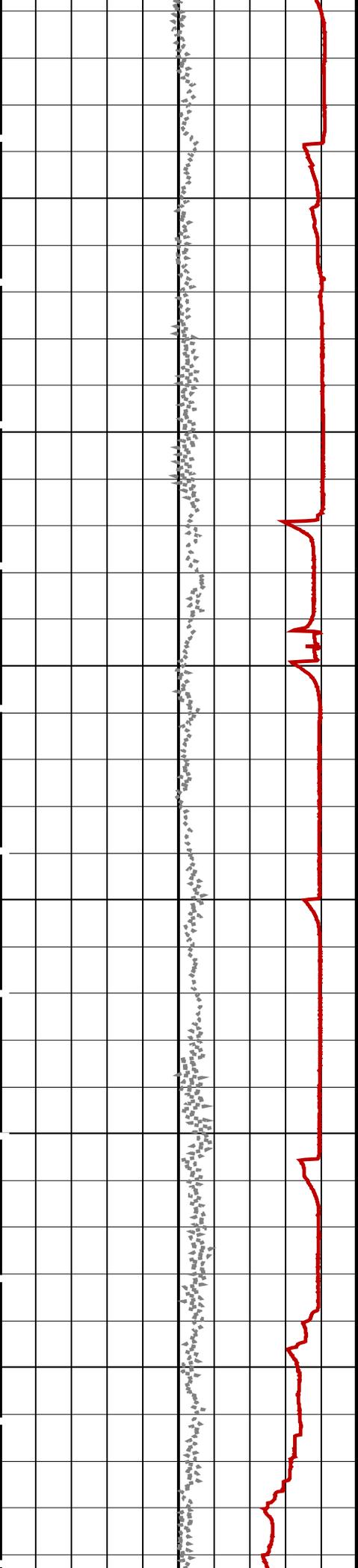
**OP System Version: 13C0-300**  
MCM

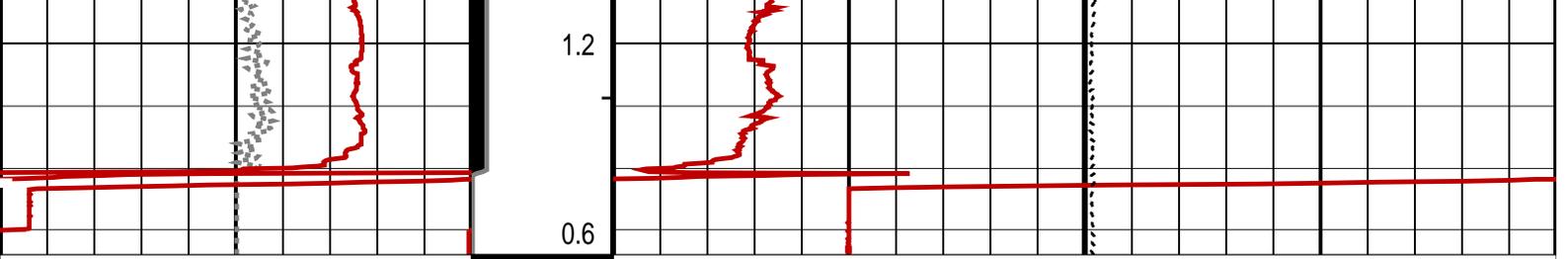
MPEX-EA_S	SRC-2820-ASFS-WPP_k	MPSU-CA	SRC-2820-ASFS-WPP_k
CCL-L	13C0-300		

**PIP SUMMARY**

LMPSU Run Time: Every 4 MN







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

**PIP SUMMARY**

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

Time Mark Every 60 S

**Parameters**

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

Format: MPBT Vertical Scale: 1:600 Graphics File Created: 02-Jan-2006 08:22

**OP System Version: 13C0-300**  
MCM

MPEX-EA_S CCL-L	SRC-2820-ASFS-WPP_t 13C0-300	MPSU-CA	SRC-2820-ASFS-WPP_t
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**Output DLIS Files**

DEFAULT	CCL_018LUP	FN:17	PRODUCER	02-Jan-2006 08:22
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7" MPBT Plug  
Correlation Pass

MAXIS Field Log

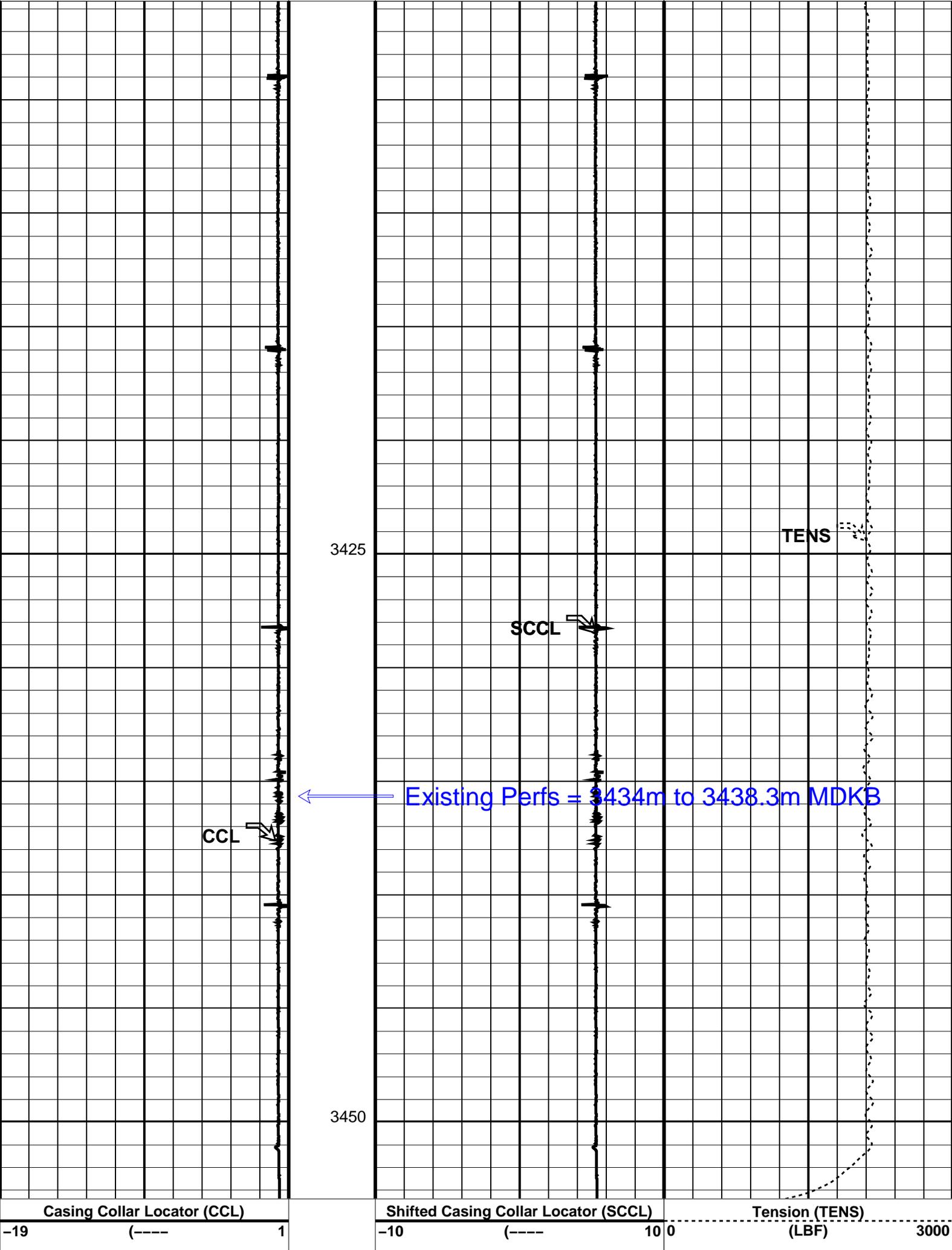
**Output DLIS Files**

DEFAULT	CCL_016LUP	FN:15	PRODUCER	02-Jan-2006 08:09	3453.4 M	3400.7 M
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**OP System Version: 13C0-300**  
MCM

MPEX-EA_S CCL-L	SRC-2820-ASFS-WPP_t 13C0-300	MPSU-CA	SRC-2820-ASFS-WPP_t
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Casing Collar Locator (CCL) (----)	Shifted Casing Collar Locator (SCCL) (----)	Tension (TENS) (LBF)
-19 1	-10 10 0	3000



3425

TENS

SCCL

CCL

3450

Existing Perfs = 3434m to 3438.3m MDKB

Casing Collar Locator (CCL)

Shifted Casing Collar Locator (SCCL)

Tension (TENS)

-19

(----

1

-10

(----

10 0

(LBF)

3000

# Parameters

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

Format: PERFO	Vertical Scale: 1:200	Graphics File Created: 02-Jan-2006 08:09
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## OP System Version: 13C0-300

MCM

MPEX-EA_S	SRC-2820-ASFS-WPP_1	MPSU-CA	SRC-2820-ASFS-WPP_1
CCL-L	13C0-300		

### Output DLIS Files

DEFAULT	CCL_016LUP	FN:15	PRODUCER	02-Jan-2006 08:09
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**Schlumberger**

2 1/8" Dummy Plug  
Correlation Pass

MAXIS Field Log

Company: ExxonMobil

Well: MLA A-6a

### Input DLIS Files

DEFAULT	PERFO_009LUP	FN:8	PRODUCER	31-Dec-2005 16:32	3462.5 M	3390.0 M
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### Output DLIS Files

DEFAULT	PERFO_011PUP	FN:10	PRODUCER	31-Dec-2005 16:44	3465.0 M	3392.9 M
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## OP System Version: 13C0-300

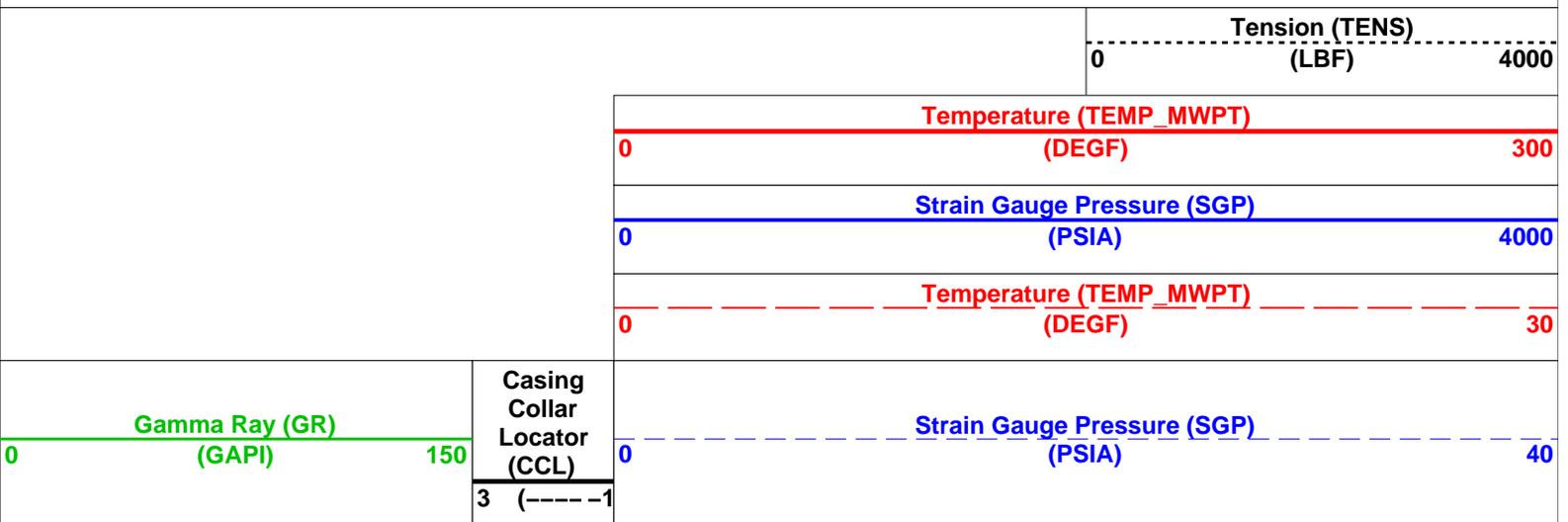
MCM

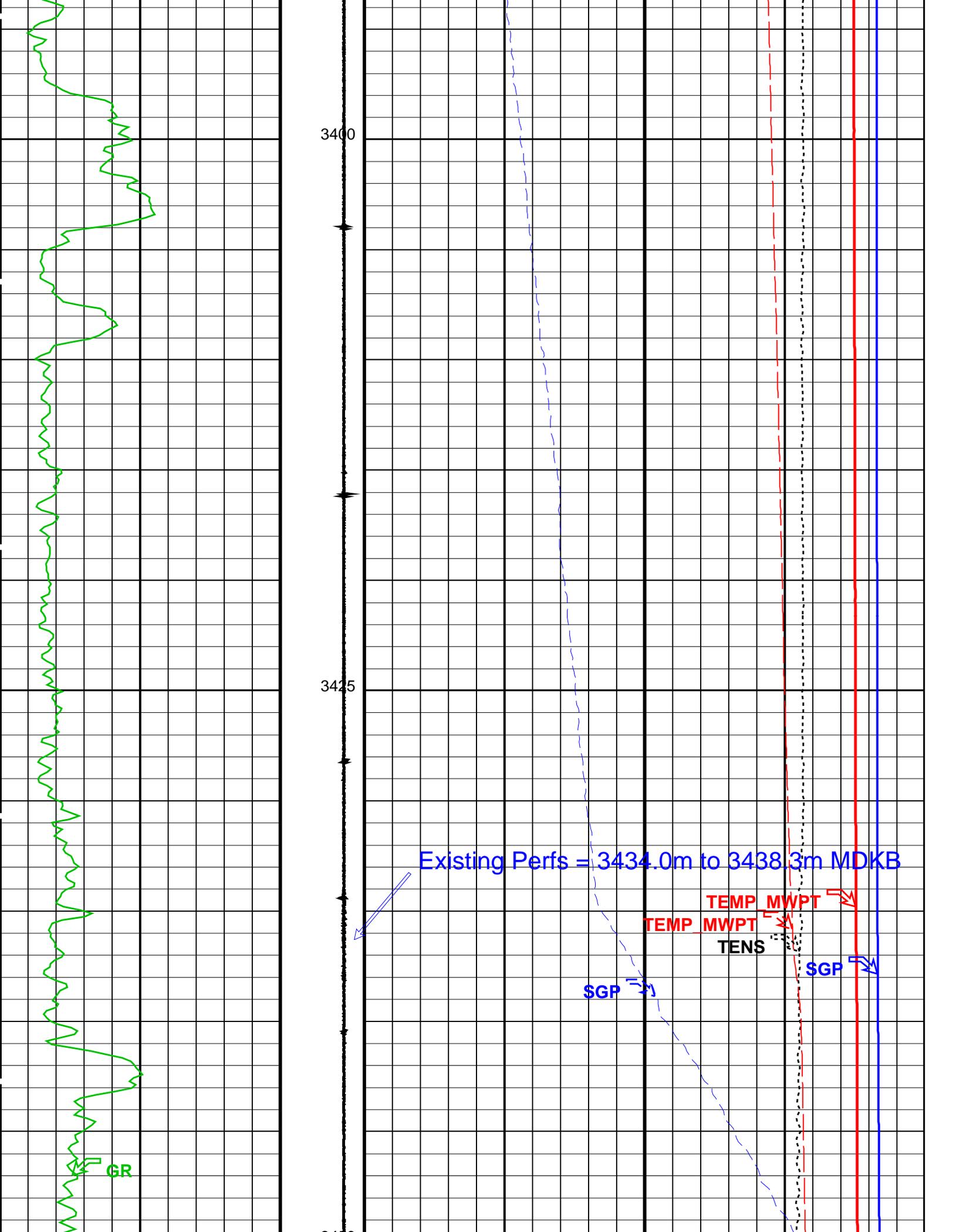
MWP_GUN	SRC-2820-ASFS-WPP_1	MWPT-CA	SRC-2820-ASFS-WPP_1
MWGT-AA	SRC-2820-ASFS-WPP_1		

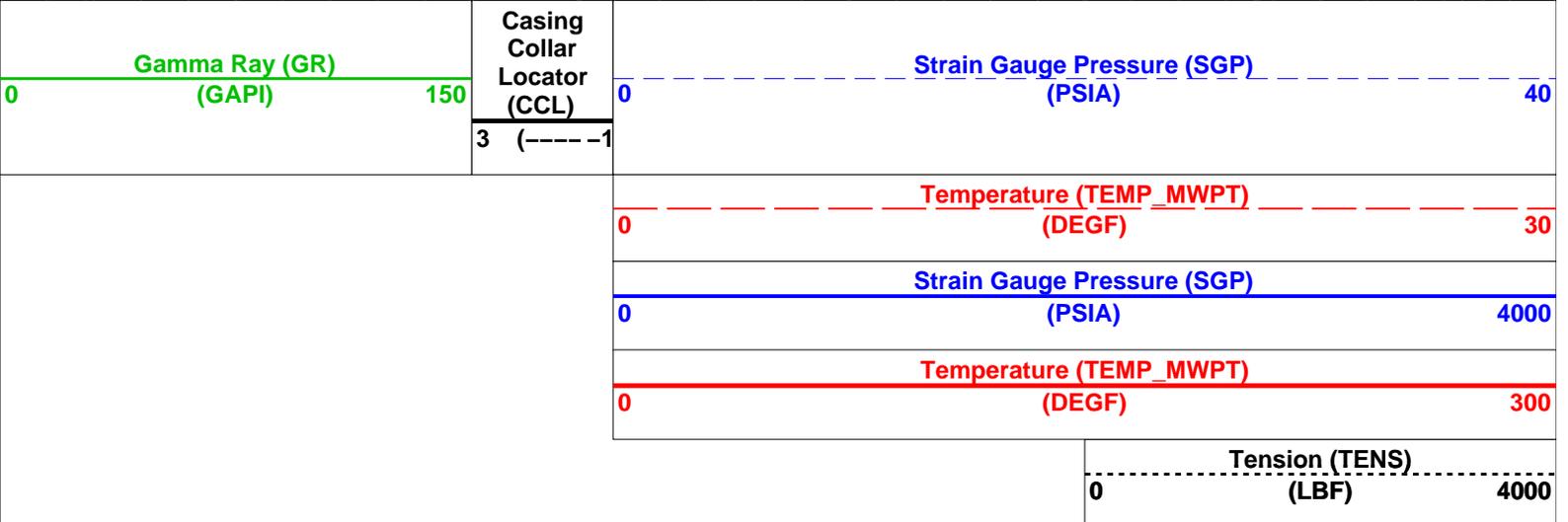
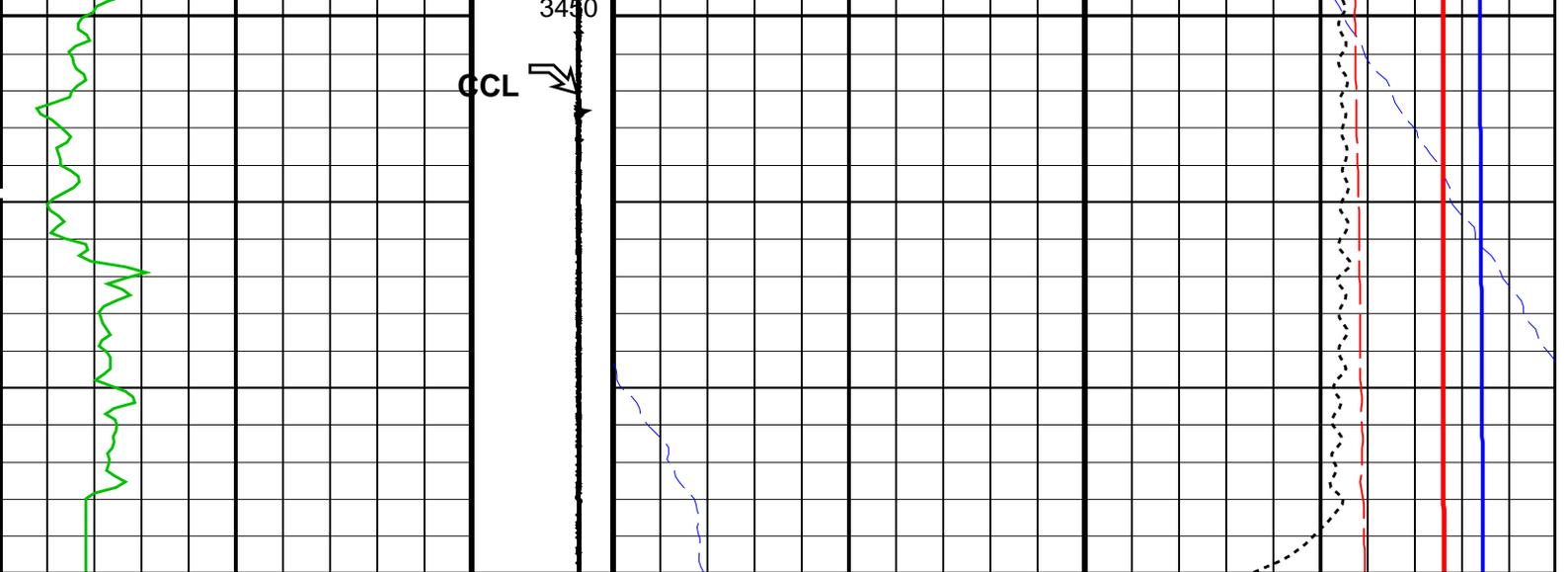
### PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S







PIP SUMMARY

← Casing Collars

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL		
CCLD	CCL reset delay	12 IN
CCLT	CCL detection level	0.3 V
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	2.4 M
PP	Playback Processing	NORMAL

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 31-Dec-2005 16:44

OP System Version: 13C0-300

MCM

MWP_GUN	SRC-2820-ASFS-WPP_t	MWPT-CA	SRC-2820-ASFS-WPP_t
MWGT-AA	SRC-2820-ASFS-WPP_t		

Input DLIS Files

DEFAULT	PERFO_009LUP	FN:8	PRODUCER	31-Dec-2005 16:32	3462.5 M	3390.0 M
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Output DLIS Files

DEFAULT	PERFO_011PUP	FN:10	PRODUCER	31-Dec-2005 16:44		
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Company: **ExxonMobil**

**Schlumberger**

Well: **MLA A-6a**

Field: **Marlin**

Rig: **Crane / Prod 4**

Country: **Australia**

Dummy Plug  
7" MPBT Plug  
Dump Bailer Record