



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: _____ Log Measured From: _____ Drilling Measured From: _____	Mean Sea Level _____ Kelly Bushing _____ Kelly Bushing _____ Elev.: 0.0 m 27.4 m above Perm. Datum		
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				Run 1	Run 2	Run 3
Oil Density						
Water Salinity						
Gas Gravity						
Bo						
Bw						
1/Bg						
Bubble Point Pressure						
Bubble Point Temperature						
Solution GOR						
Maximum Deviation	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 Serial Number: 797 Calibration Date: 01-May-2005 Calibrator Serial Number: 1009 Calibration Cable Type: 2-32ZT Wheel Correction 1: -3 Wheel Correction 2: 2	Type: CMTD-C Serial Number: 1037 Calibration Date: 22 Sep 05 Calibrator Serial Number: 57144 Calibration Gain: 1.29 Calibration Offset: 777.00	Type: 2-32ZT Serial Number: 22372 Length: 5099.91 M Conveyance Method: Wireline Rig Type: Offshore_Fixed

## 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.

## DISCLAIMER

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OTHER SERVICES1 OS1: MWPT 2 1/8" EJ Gun OS2: OS3: OS4: OS5:
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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 = 6.9m
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 Flyn
Performed by Schlumberger

RUN 1			RUN 2		
		AUSL05148532 13C0-300			
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			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
<div style="float: left; width: 40%;">AH-SWBS AH-SWBS 731</div> <div style="float: right; width: 50%; text-align: right;">12.71</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">AH-SWBS AH-SWBS 763</div> <div style="float: right; width: 50%; text-align: right;">12.02</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">AH-SWBS AH-SWBS 761</div> <div style="float: right; width: 50%; text-align: right;">11.34</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">AH-SWBS AH-SWBS 762</div> <div style="float: right; width: 50%; text-align: right;">10.65</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">MH-SWHS MH-SWHS 736</div> <div style="float: right; width: 50%; text-align: right;">9.97</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">CCL-L CCL-L 4195</div> <div style="float: right; width: 50%; text-align: right;">TOOL ZERO 9.64</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">MPSU-CA MPSU-CA 1011</div> <div style="float: right; width: 50%; text-align: right;">9.18</div>	<div style="float: left; width: 40%;">AH-SWBS AH-SWBS 762</div> <div style="float: right; width: 50%; text-align: right;">16.57</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">AH-SWBS AH-SWBS 731</div> <div style="float: right; width: 50%; text-align: right;">15.87</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">AH-SWBS AH-SWBS 761</div> <div style="float: right; width: 50%; text-align: right;">15.17</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">AH-SWBS AH-SWBS 762</div> <div style="float: right; width: 50%; text-align: right;">14.47</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">MH-SWHS</div> <div style="float: right; width: 50%; text-align: right;">13.77</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">Tension CCL CCL-L 4191</div> <div style="float: right; width: 50%; text-align: right;">TOOL ZERO 13.44</div> <hr style="clear: both;"/> <div style="float: left; width: 40%;">AH-DB-TT AH-DB-TT</div> <div style="float: right; width: 50%; text-align: right;">12.98</div>

MPEX-EA\_S  
MPEX-EA\_S

2.77

TOOL BOTTOM

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

SHM\_GUN  
GUN

0.79

TOOL BOTTOM

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

Client: ExxonMobil

Well: MLA A-6a

Field: Marlin

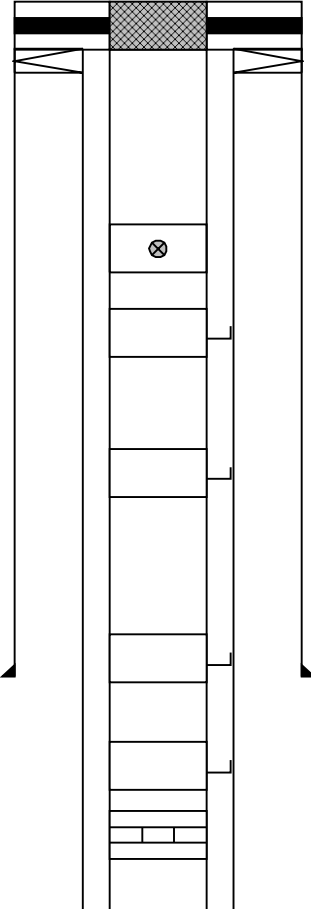
State: Victoria

Country: Australia

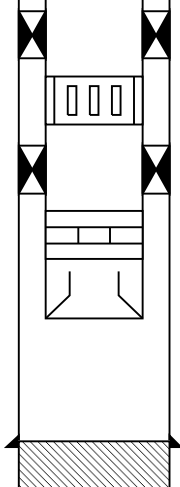
Rig Name: Marlin

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		10.4	13.375	7.000	Casing String Liner Hanger
Tubing	4.500		11.3					
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		1013.2	13.375		Casing Shoe
Gas Lift Mandrel	4.500		1303.6					
Nipple	4.500		1319.2					

Packer	7.000	4.500	2718.0
Sliding Sleeve	4.500		2726.6
Packer	7.000	4.500	2788.9
Nipple	4.500		2795.1
Bell Nipple Guide	4.500		2799.5



Casing Shoe  
PBTD



2 1/8" Dump Bailer  
Run 2 – Cement

MAXIS Field Log

## Input DLIS Files

DEFAULT	PERFO_025LUP	FN:24	PRODUCER	02-Jan-2006 14:10	3415.0 M	3374.1 M
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## Output DLIS Files

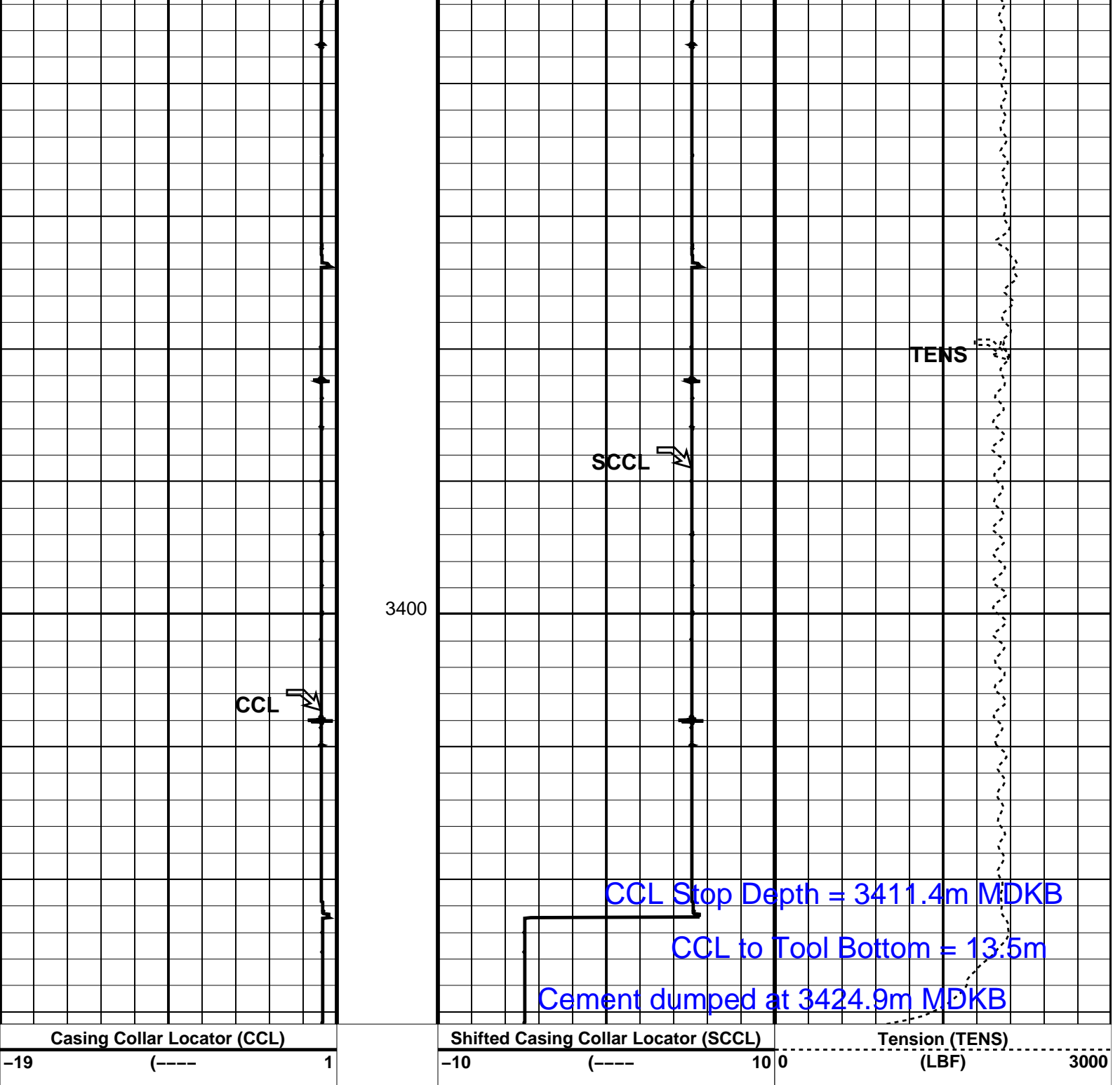
DEFAULT	PERFO_026PUP	FN:25	PRODUCER	02-Jan-2006 14:34	3415.4 M	3375.1 M
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**OP System Version: 13C0-300**

**MCM**

SHM GUN	SRC-2820-ASFS-WPP k	CCL-L	13C0-300
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[illegible]



Parameters			
DLIS Name		Description	Value
CCLD CCLT	CCL-L: Casing Collar	Locator	
		CCL reset delay	12 IN
		CCL Detection Level	0.3 V
DO PP	System and Miscellaneous		
		Depth Offset for Playback	0.4 M
		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_t	CCL-L	13C0-300

Input DLIS Files			
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Output DLIS Files



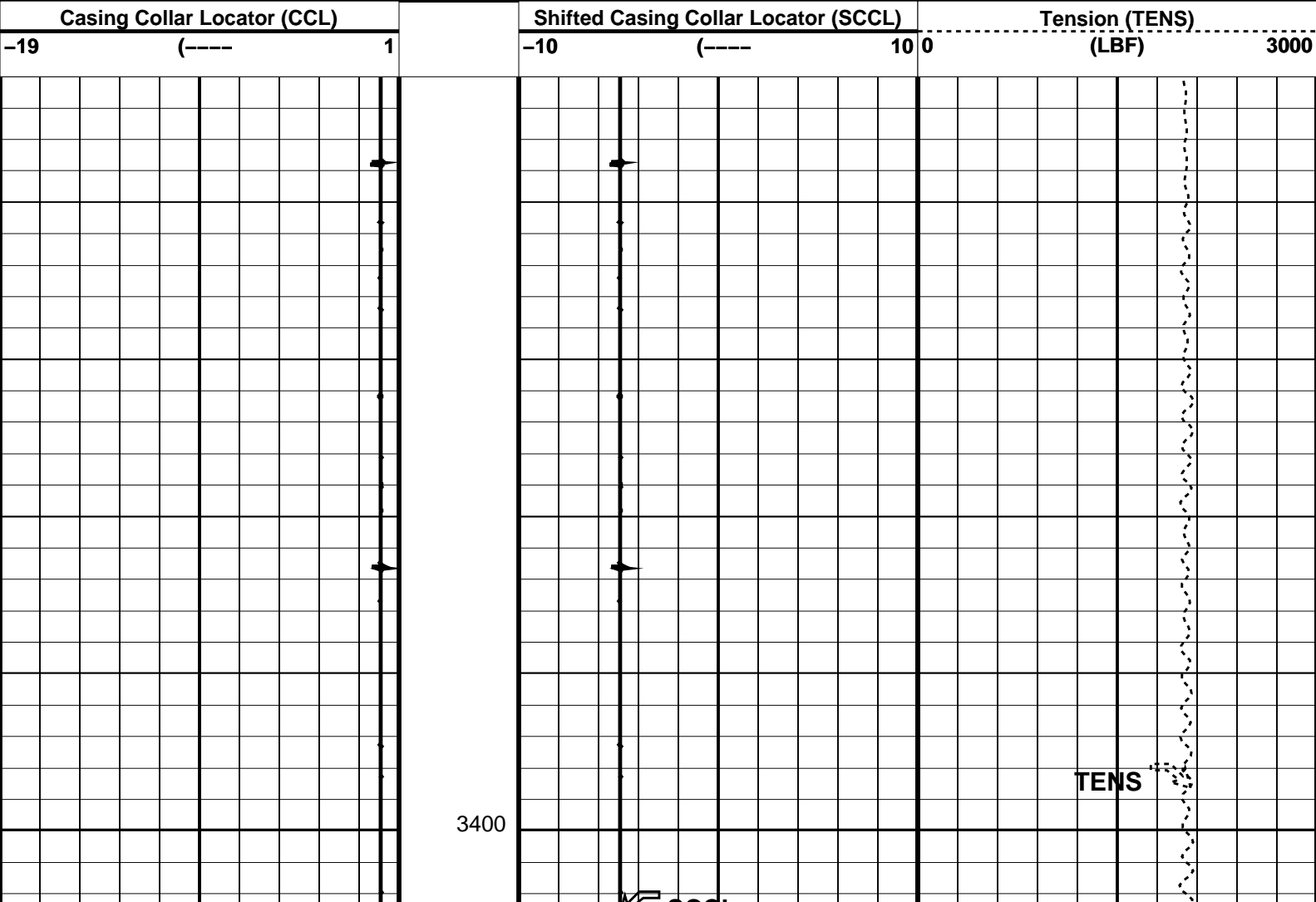
2 1/8" Dump Bailer  
Run 1 – Water

MAXIS Field Log

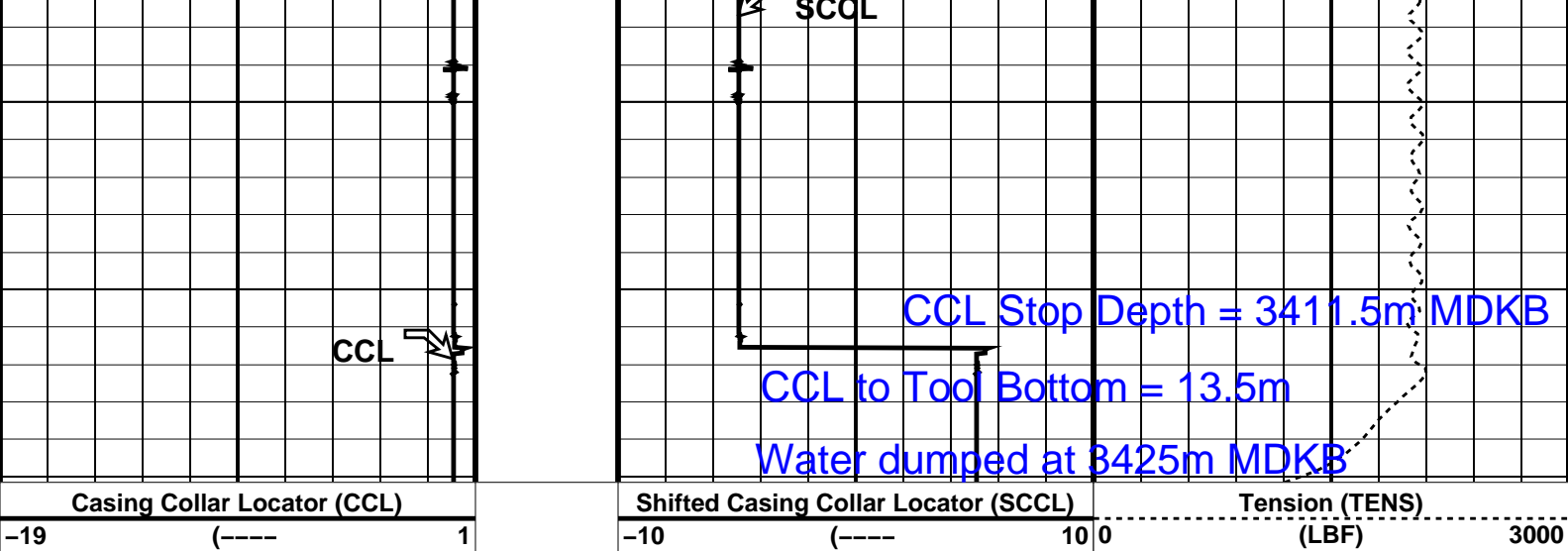
Input DLIS Files

Output DLIS Files

OP System Version: 13C0-300  
MCM







### Parameters

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

### Input DLIS Files

DEFAULT      PERFO\_022LUP      FN:21      PRODUCER      02-Jan-2006 11:44      3414.7 M      3375.1 M

### Output DLIS Files

DEFAULT      PERFO\_023PUP      FN:22      PRODUCER      02-Jan-2006 12:09

**Schlumberger**

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

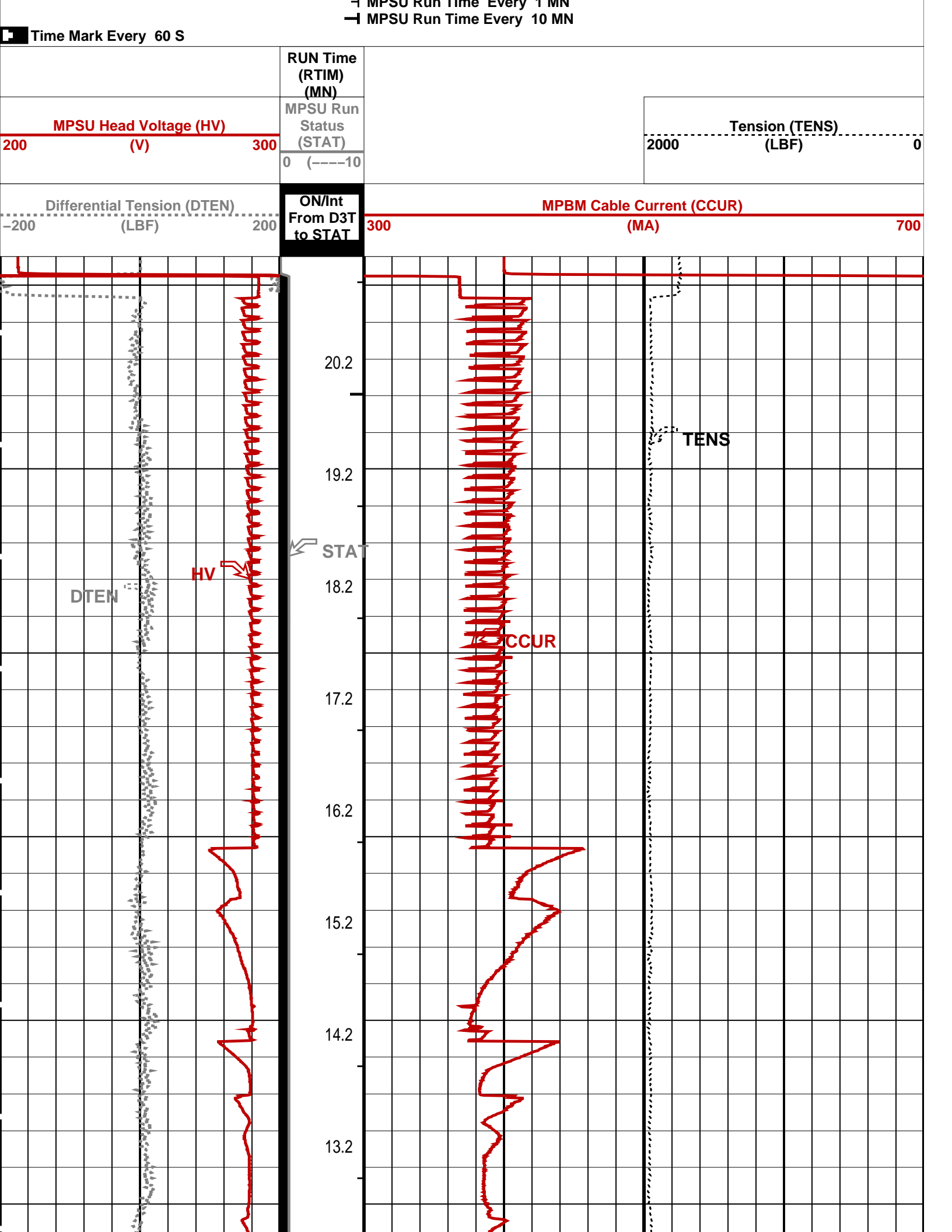
### OP System Version: 13C0-300

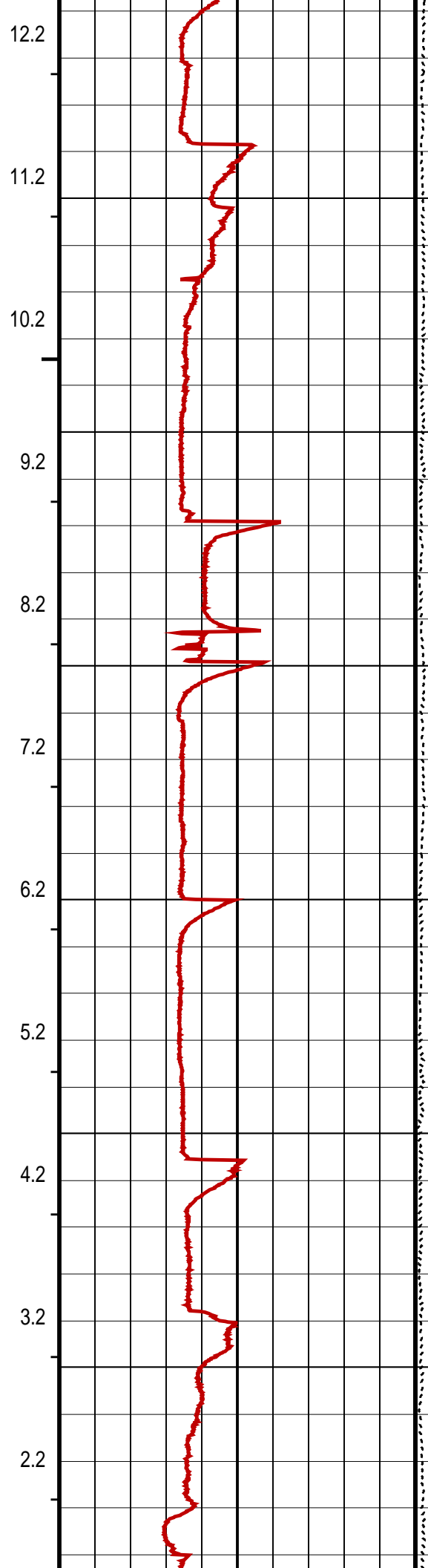
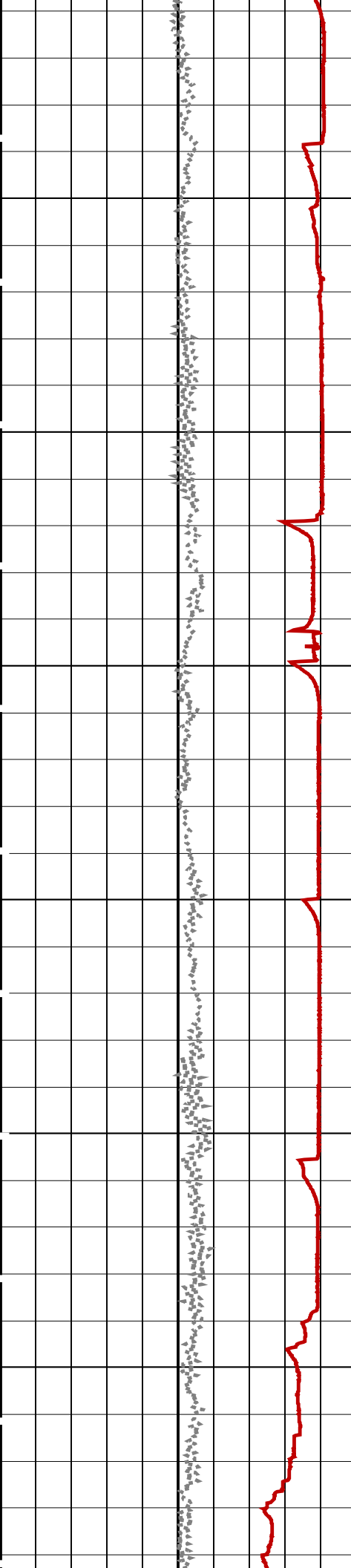
MCM

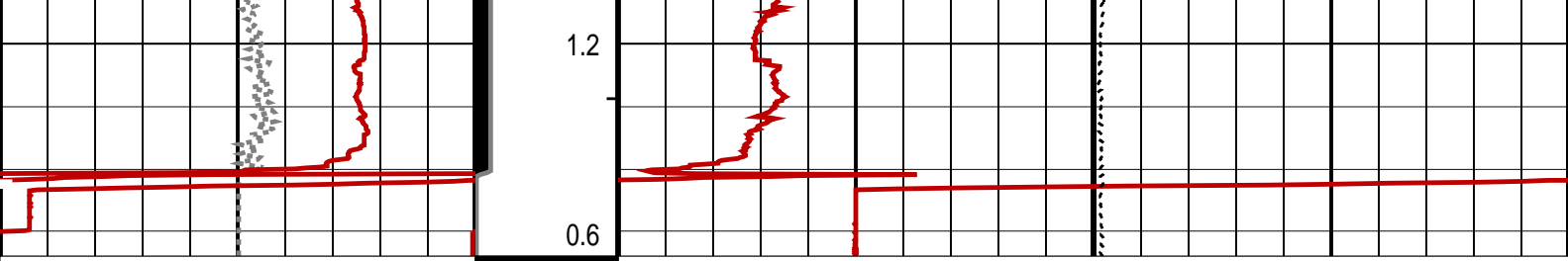
MPEX-EA\_S      SRC-2820-ASFS-WPP\_k      MPSU-CA      SRC-2820-ASFS-WPP\_k  
CCL-L      13C0-300

PIP SUMMARY

L MPBT Run Time: Every 4 MN







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

Output DLIS Files			
DEFAULT	CCL_018LUP	FN:17 PRODUCER	02-Jan-2006 08:22



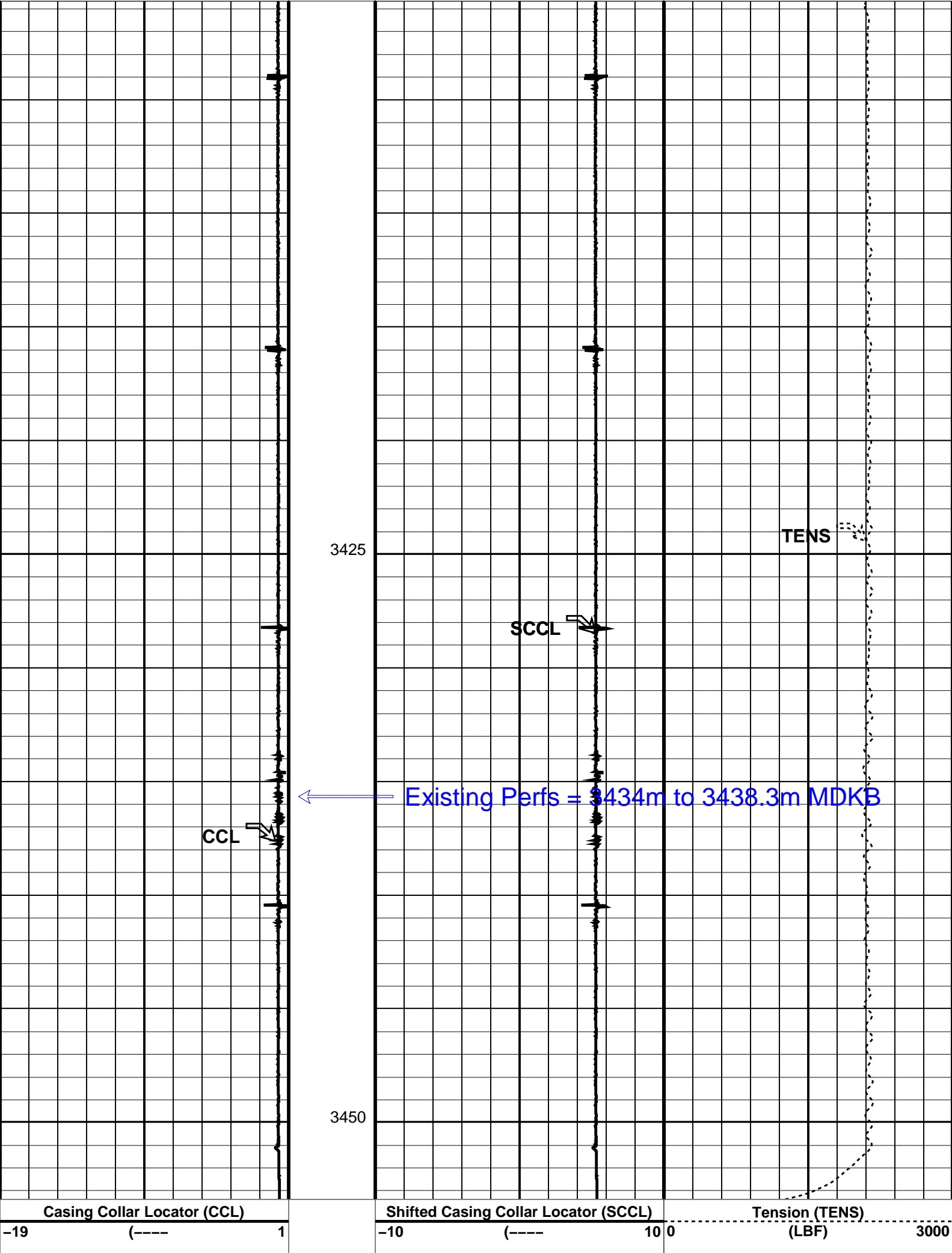
7" MPBT Plug  
Correlation Pass

MAXIS Field Log

Output DLIS Files					
DEFAULT	CCL_016LUP	FN:15	PRODUCER	02-Jan-2006 08:09	3453.4 M 3400.7 M

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

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



## 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: 02-Jan-2006 08:09

# MCM

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

## Output DLIS Files

DEFAULT CCL 016LUP FN:15 PRODUCER 02-Jan-2006 08:09



## 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**

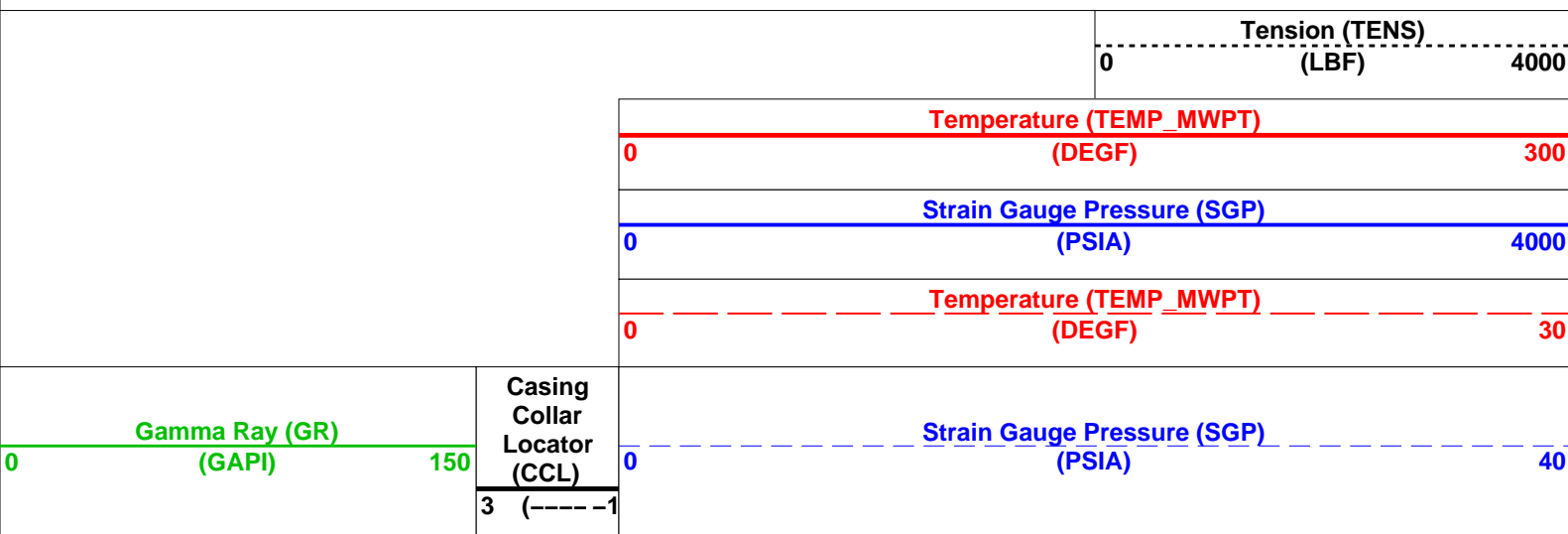
# MCM

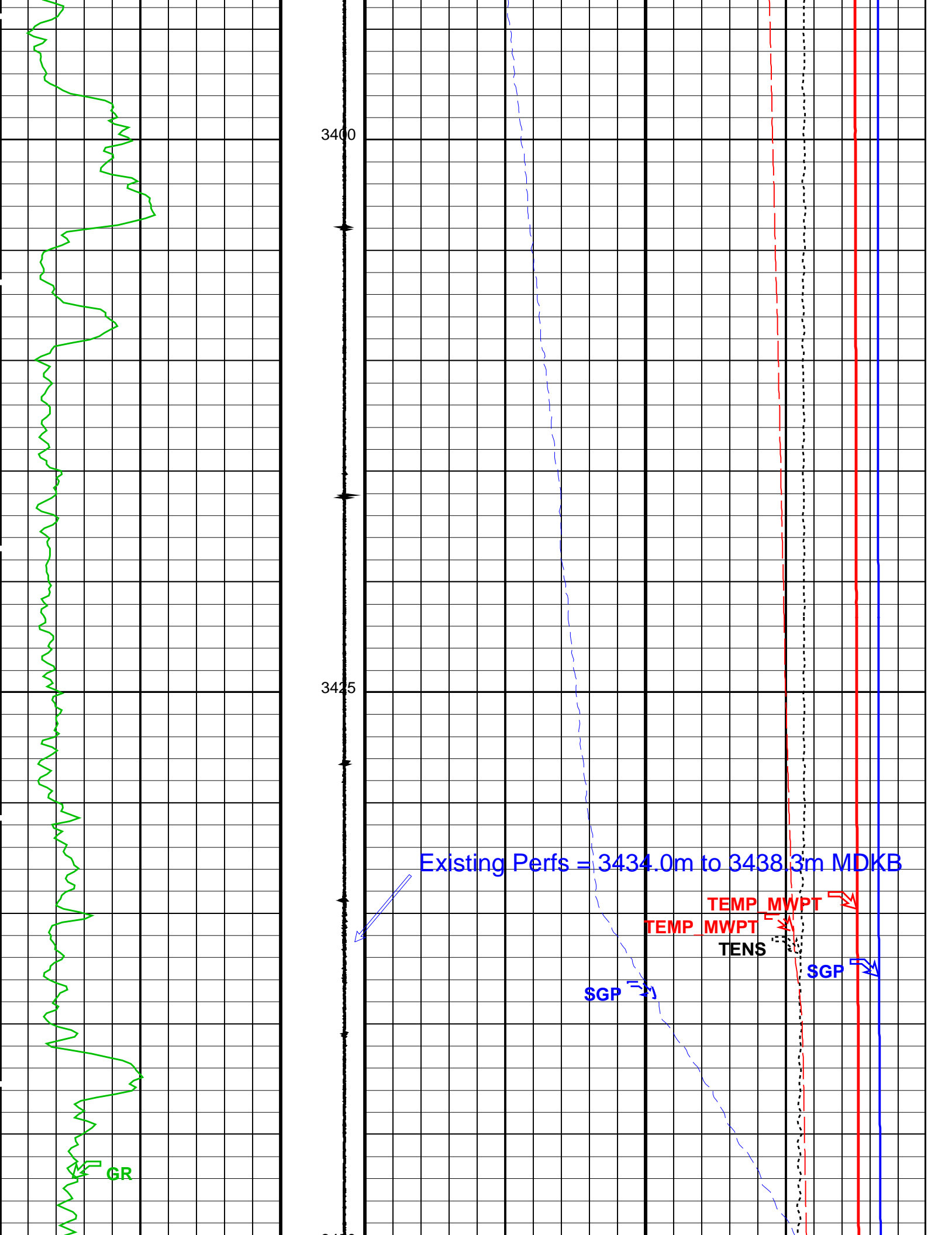
MWP_GUN	SRC-2820-ASFS-WPP_t	MWPT-CA	SRC-2820-ASFS-WPP_t
MWGT-AA	SRC-2820-ASFS-WPP_t		

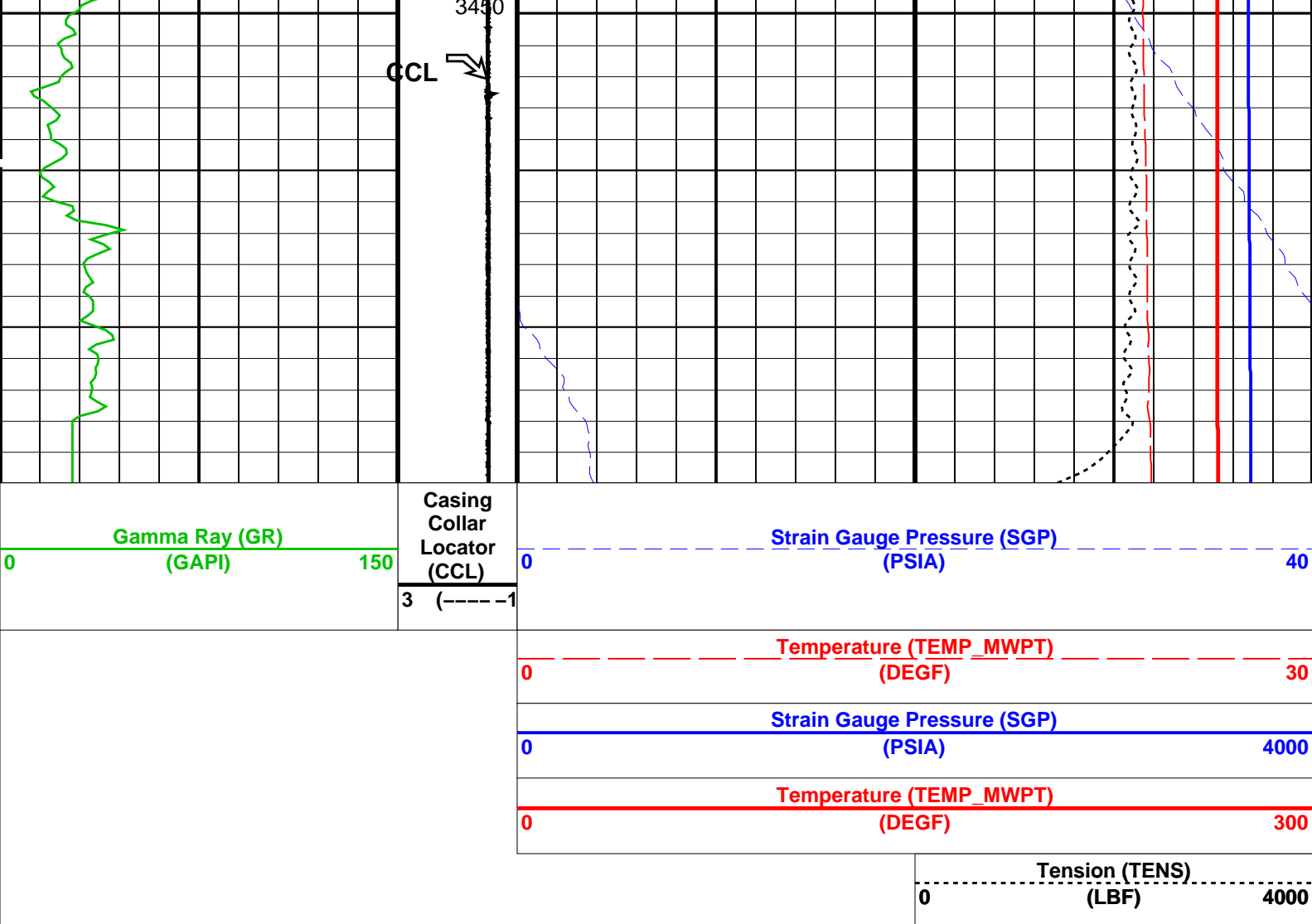
## PIP SUMMARY

## └─ Casing Collars

**Time Mark Every 60 S**







PIP SUMMARY

Time Mark Every 60 S

Casing Collars

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
Output DLIS Files						
DEFAULT	PERFO_011PUP	FN:10	PRODUCER	31-Dec-2005 16:44		



Company: ExxonMobil

Schlumberger

Well: MLA A–6a

Field: Marlin

Rig: Crane / Prod 4

Country: Australia

Dummy Plug

7" MPBT Plug

Dump Bailer Record