

Company: Esso Australia Pty Ltd.

Well: BREAM B 11

Field: BREAM B

Rig: Crane / Prod # 4 Country: Australia

2" HSD with UPCT
Perforation Record
7" Posiset Plug Setting Record

Rig: Crane / Prod # 4
Field: BREAM B
Location: Gippsland
Well: BREAM B 11
Company: Esso Australia Pty Ltd.

LOCATION			
Gippsland	Elev.:	K.B.	41.70 m
Basin		G.L.	41.70 m
Bass Strait		D.F.	-61.00 m
Permanent Datum:	M.S.L		
Log Measured From:	K.B	41.70 m	above Perm. Datum
Drilling Measured From:	K.B		
State: Victoria	Max. Well Deviation 60.1 deg	Longitude 148°06'15.37E	Latitude 038°35'40.34S

Logging Date	6-Apr-2010		
Run Number	1 through 5		
Depth Driller	2916 m		
Schlumberger Depth	2913.4 m		
Bottom Log Interval	2908 m		
Top Log Interval	2908 m		
Casing Fluid Type	Production Fluids		
Salinity			
Density			
Fluid Level	1005 m		
BIT/CASING/TUBING STRING			
Bit Size	9.875 in		
From	708 m		
To	3105 m		
Casing/Tubing Size	7.000 in		
Weight	26 lbn/ft		
Grade	L-80		
From	21.14 m		
To	3093 m		
Maximum Recorded Temperatures	214 degF		
Logger On Bottom	6-Apr-2010		11:10
Unit Number	889	Prod 4 / AUSL	
Recorded By	S Gilbert		
Witnessed By	B White		

PVT DATA			
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	60.1 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: 1-APR-2010 15:02:37

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-EB	Type:	PSDS/OSDS	Type:	2-32ZT
Serial Number:	6373	Serial Number:	325357	Serial Number:	208558
Calibration Date:	9-Oct-2009	Calibration Date:	3-Mar-2010	Length:	5920 M
Calibrator Serial Number:	30	Calibrator Serial Number:	1170	Conveyance Method: Wireline Rig Type: Offshore Fixed	
Calibration Cable Type:	2-32ZT	Number of Calibration Points:	10		
Wheel Correction 1:	0	Calibration RMS:	15		
Wheel Correction 2:	2	Calibration Peak Error:	27		

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	BREAM B 16 Correlation Log
Reference Log Run Number:	
Reference Log Date:	
Subsequent Trip Down Log Correction:	0.00 M

Depth Control Remarks

1. Rigged up on main deck using platform crane
2. Log Correlated to SOLAR composite Log Provided by Client
3. IDW used as Primary Depth Control.
4. Z-chart used as Secondary Depth Control.
5. All Depth are MDKB unless noted.
6.

DISCLAIMER

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
OS1: RST Sigma Survey



















REMARKS: RUN NUMBER 1
Log correlated to ExxonMobil Solar Composite Log supplied with logging program.
Objectives: Perforate the well over the intervals 2905.5m to 2907m MDKB .
Using a 2" 6spf HSD Gun loaded with Powerjet Omega charges.
Set a 7" Posiset plug with top of seal at 2908m MDKB then dump approximately 1m of cement on top.
Maximum Deviation = 60.1deg @ 1080m MDKB
HUD: 2913.4 m MDKB

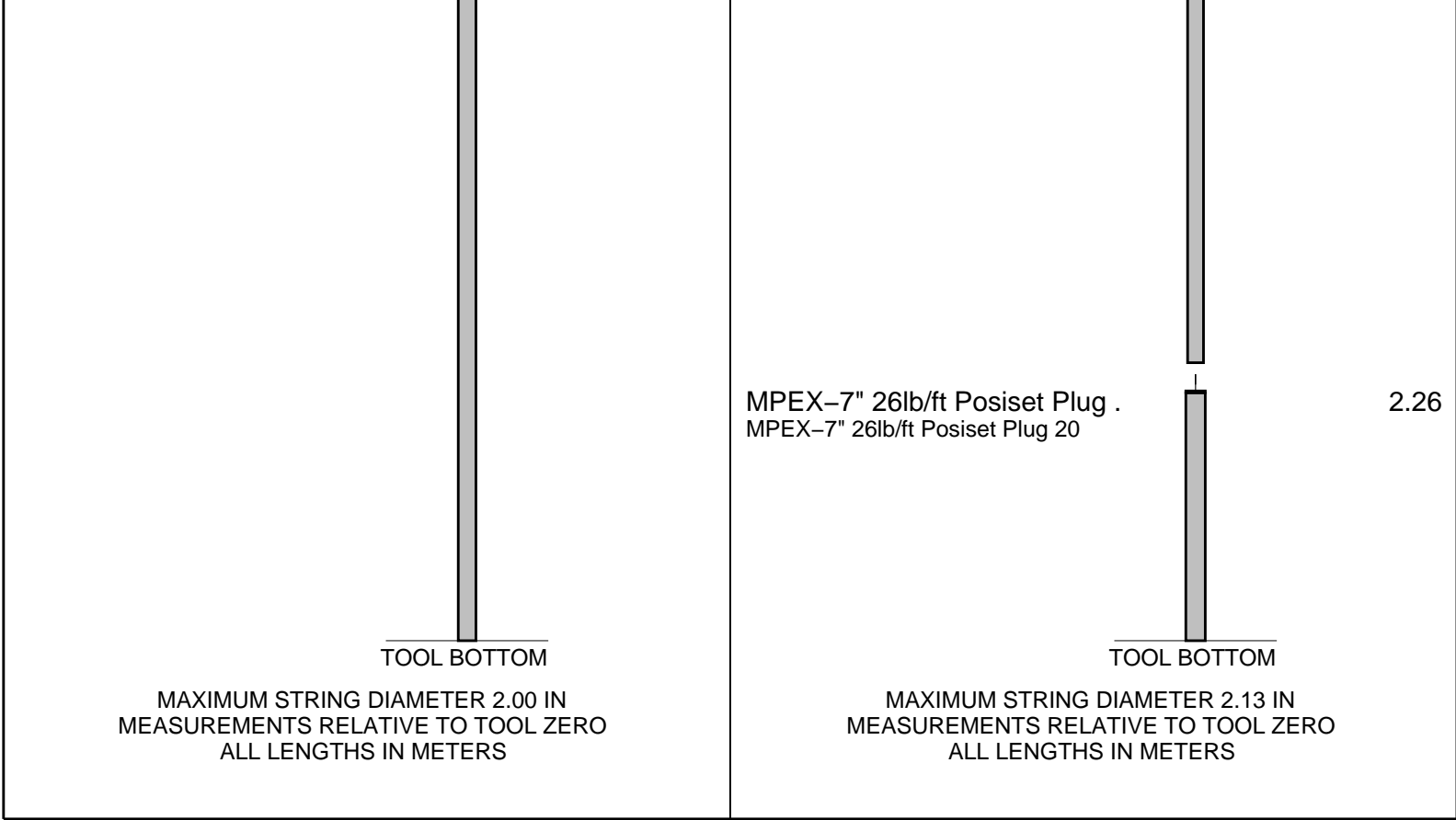
Gun#1
Top Shot @ 2905.5m MDKB
CCL to Top Shot= 2.1 m
CCL Stop Depth= 2903.4 m MKDB
CCL to Bottom of Dummy Plug = 4.7m
Plug Setting Depth= 2908m MDKB
Top of Seal @ 2908m MDKB
CCL to Top of Seal = 6.8m
CCL Stop Depth= 2901.2 m MDKB
2.13 Dummy Plug Ran to ensure access for Posiset Plug.
Schlumberger crews: G Martin , G Blandford

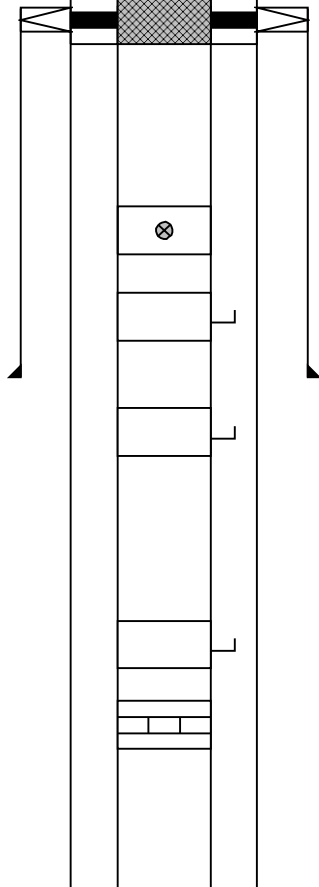
RUN 1					
SERVICE ORDER #:		B297-00025			
PROGRAM VERSION:		17C0-154			
FLUID LEVEL:		1005 m			
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

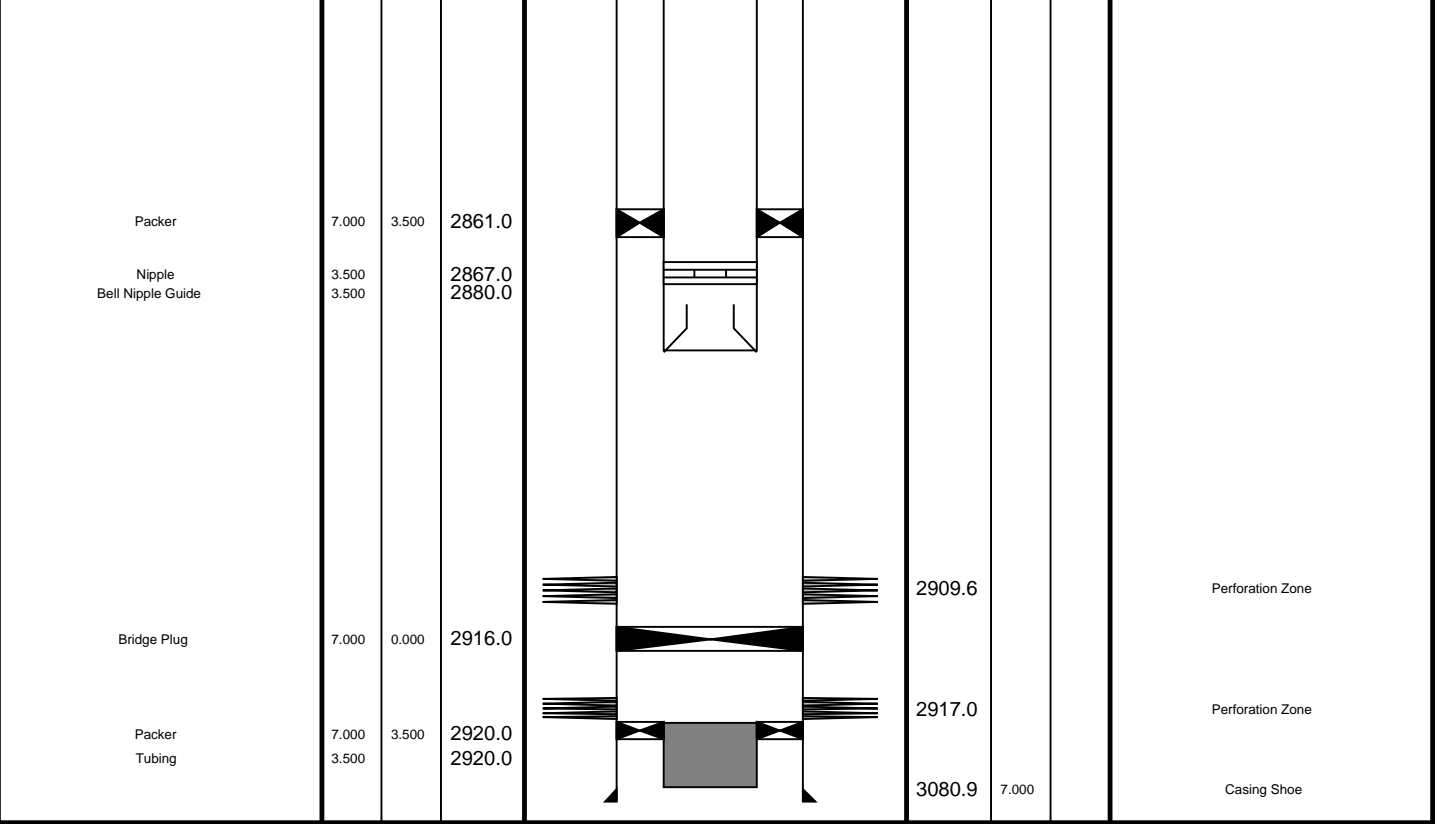
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT		SURFACE EQUIPMENT	
WITM (SHM)		MPBM	

DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
SWBS-B 789		13.18	SWBS-B 785		12.74
ASWBS-B 788		12.49	SWBS-B 786		12.06
SWBS-B 787		11.81	SWBS-B 787		11.37
SWBS-B 786		11.12	SWBS-B 785		10.69
SWBS-B 785		10.43	SWBS-B 786		10.00
SWHS-A 759		9.75	SWHS-A 759		9.31
UPCT-A 517	<div> <div>Gamma Ray</div> <div>Casing Co Tension</div> </div> 	9.42	CCL-PCCL-LA 08055	<div> <div>CCL Cable Cur Head Volt Tension</div> <div>TOOL ZERO</div> </div> 	8.96
UPCC-A 445			CCL-PCCL-LA 8055		
UPCH-A 517					
AH-WPSA-BA 4002		8.05	MPSU-BA 20		8.50
AH-WPSA-BA 4002			MPSU-BA 20		
AH-ESIC 4007395		7.44			
AH-ESIC 4007395					
SAFE SHM_GUN		7.01			
GUN-2" 6spf HSD Gun]		7.01			



Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing	3.500		20.6		22.0	10.750		Casing String Liner Hanger
Tubing Hanger	7.000	3.500	19.0		21.1	10.750	7.000	
								Casing Shoe
Shutin Valve	3.500		455.0					
Gas Lift Mandrel	3.500		541.0					
					694.0	10.750		
Gas Lift Mandrel	3.500		830.0					
Gas Lift Mandrel	3.500		1196.0					
Nipple	3.500		1212.0					



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
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Log Pass (up)	6-Apr-2010 15:12	000:07	2911.0 - 2837.2	PERFO_048LUP
Log Pass (up)	7-Apr-2010 12:02	000:05	2876.9 - 2848.4	MPBT_060LUP
Simulated Log	7-Apr-2010 12:16	000:25		MPBT_061LUP
Log Pass (up)	7-Apr-2010 12:42	000:05	2901.1 - 2848.1	MPBT_062LUP
Log Pass (up)	7-Apr-2010 14:40	000:07	2899.1 - 2849.4	PERFO_066LUP
Log Pass (up)	7-Apr-2010 16:16	000:09	2898.3 - 2849.3	PERFO_070LUP

Output DLIS Files

DEFAULT PERFO_070LUP FN:83 PRODUCER 07-Apr-2010 16:16 2898.3 M 2849.3 M

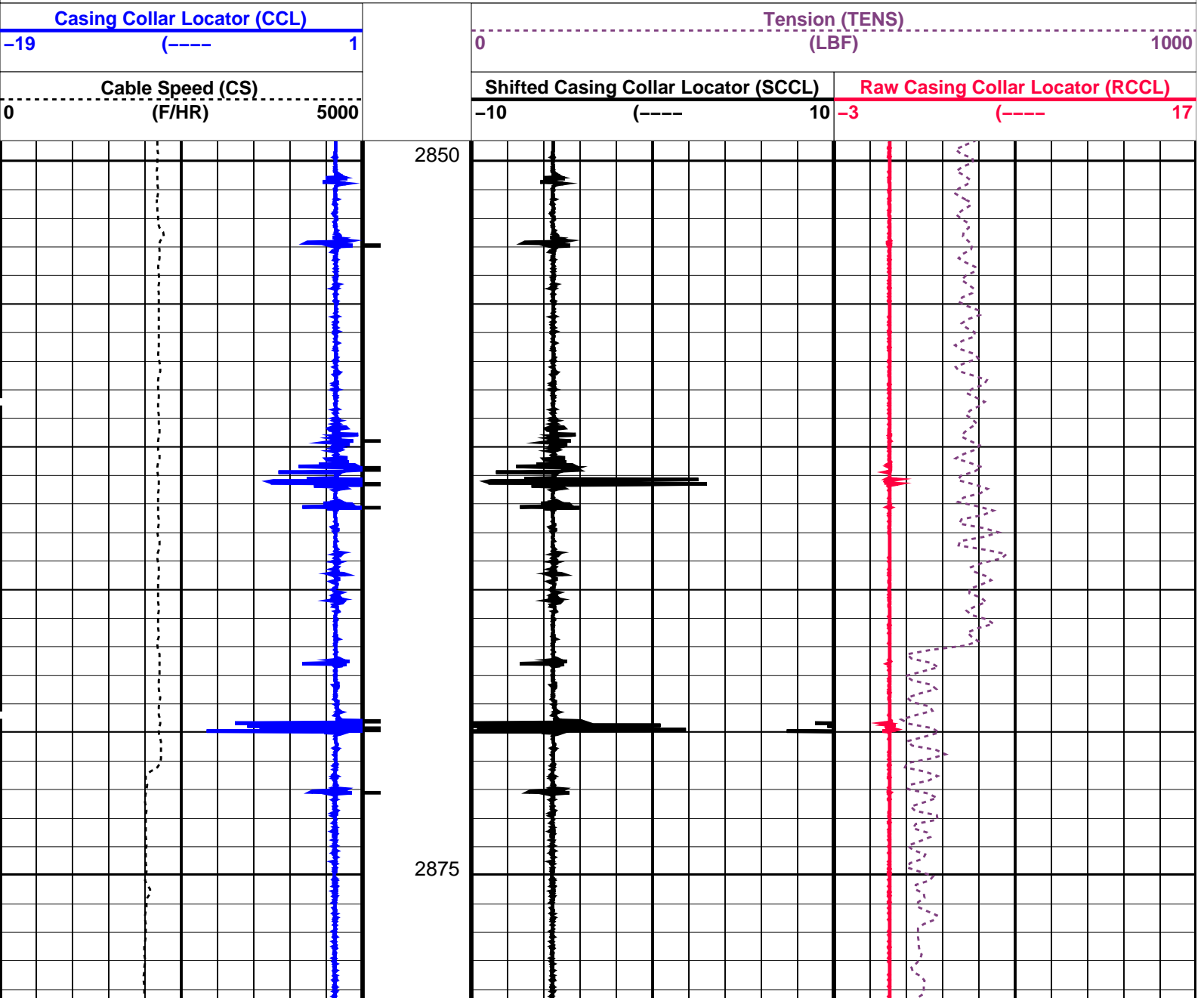
OP System Version: 17C0-154

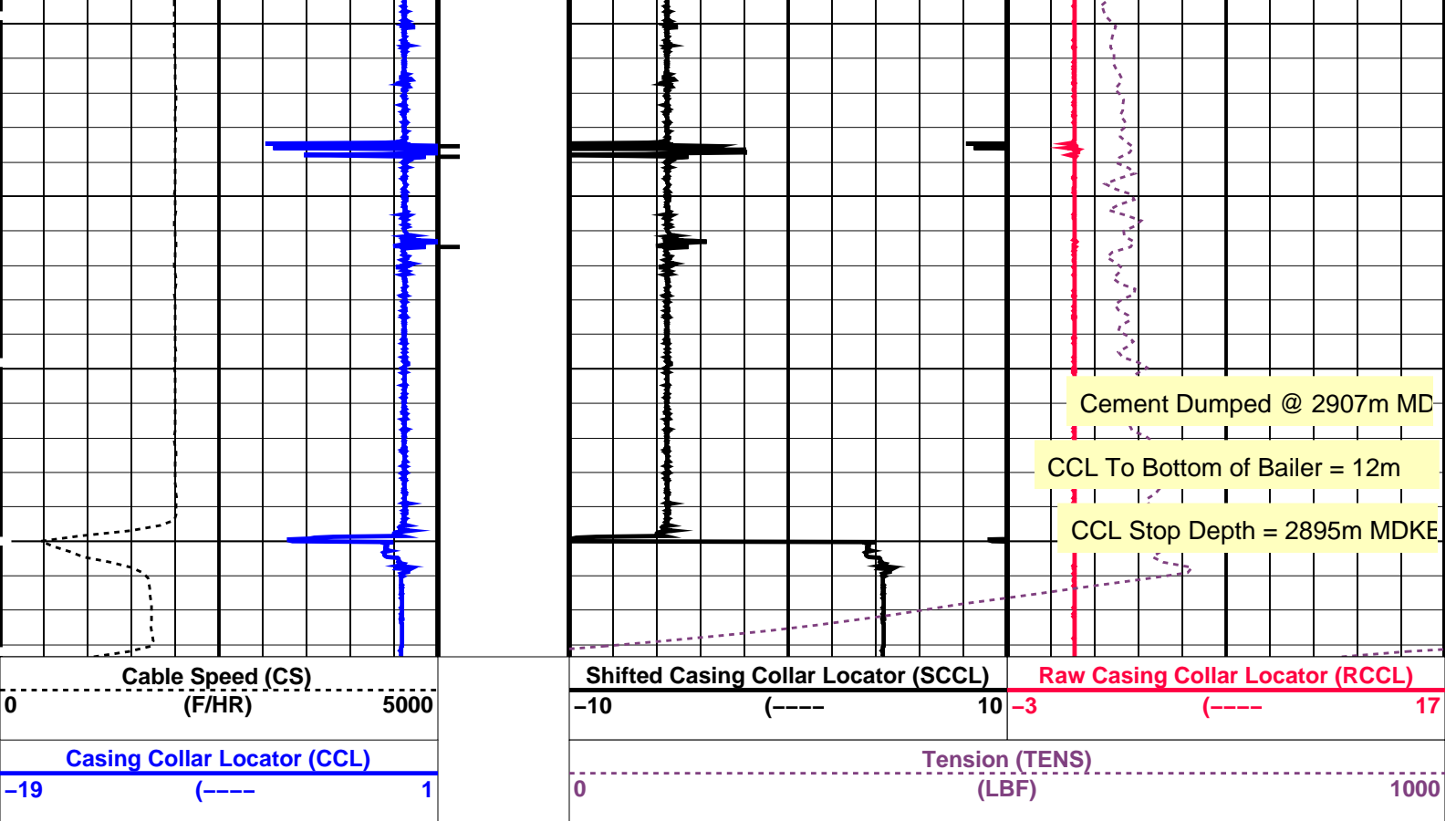
SHM_GUN 17C0-154 CCL-PCCL-LA 17C0-154

PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

← Casing Collars

Time Mark Every 60 S

Parameters

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

Format: PERFO_1 Vertical Scale: 1:200 Graphics File Created: 07-Apr-2010 16:16

OP System Version: 17C0-154

SHM_GUN 17C0-154 CCL-PCCL-LA 17C0-154

Output DLIS Files

DEFAULT PERFO_070LUP FN:83 PRODUCER 07-Apr-2010 16:16

Schlumberger

Water Dump Pass

MAXIS Field Log

Input DLIS Files

DEFAULT PERFO_066LUP FN:79 PRODUCER 07-Apr-2010 14:40 2899.1 M 2849.4 M

Output DLIS Files

DEFAULT PERFO_067PUP FN:80 PRODUCER 07-Apr-2010 14:48 2899.0 M 2849.3 M

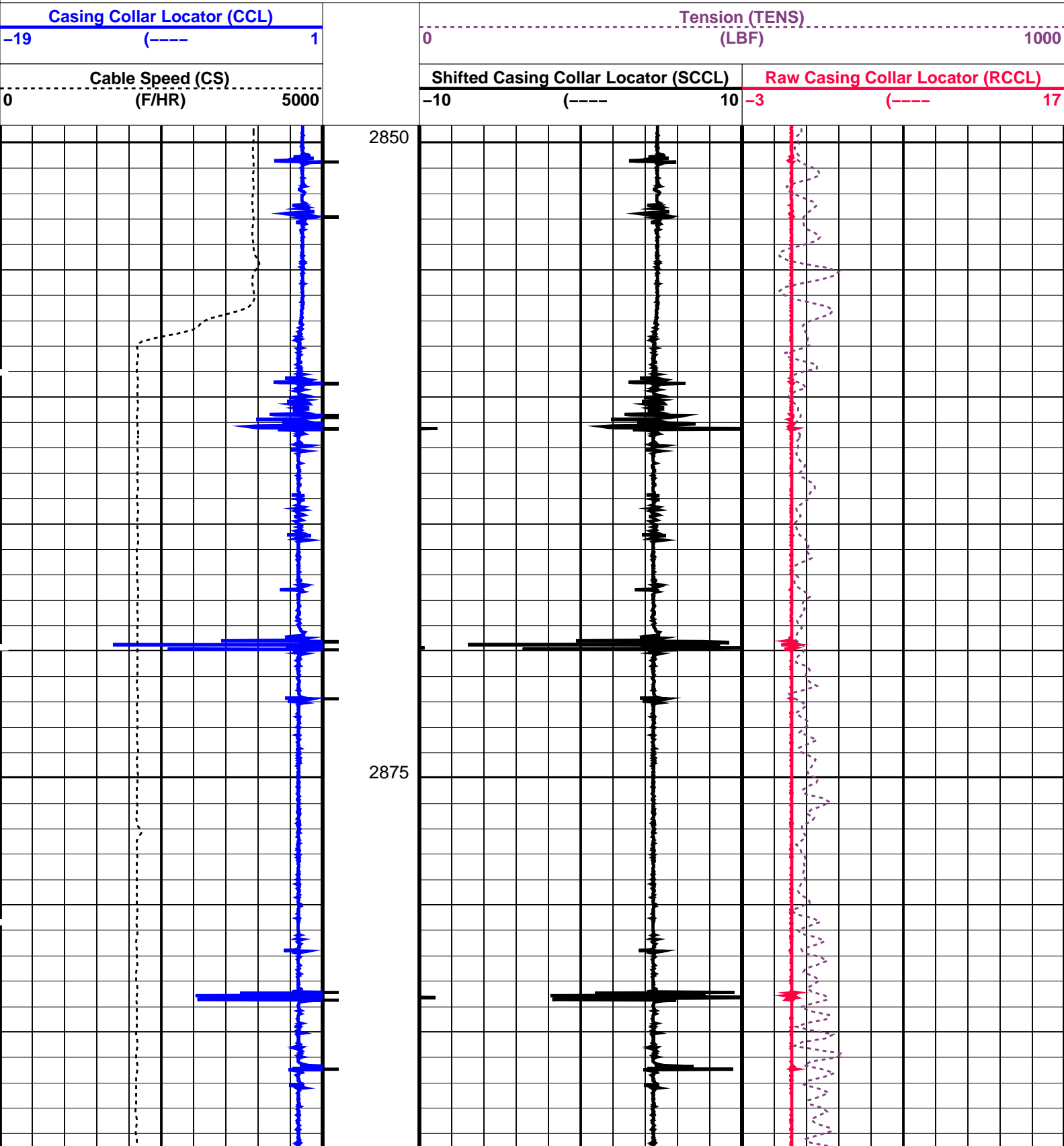
OP System Version: 17C0-154

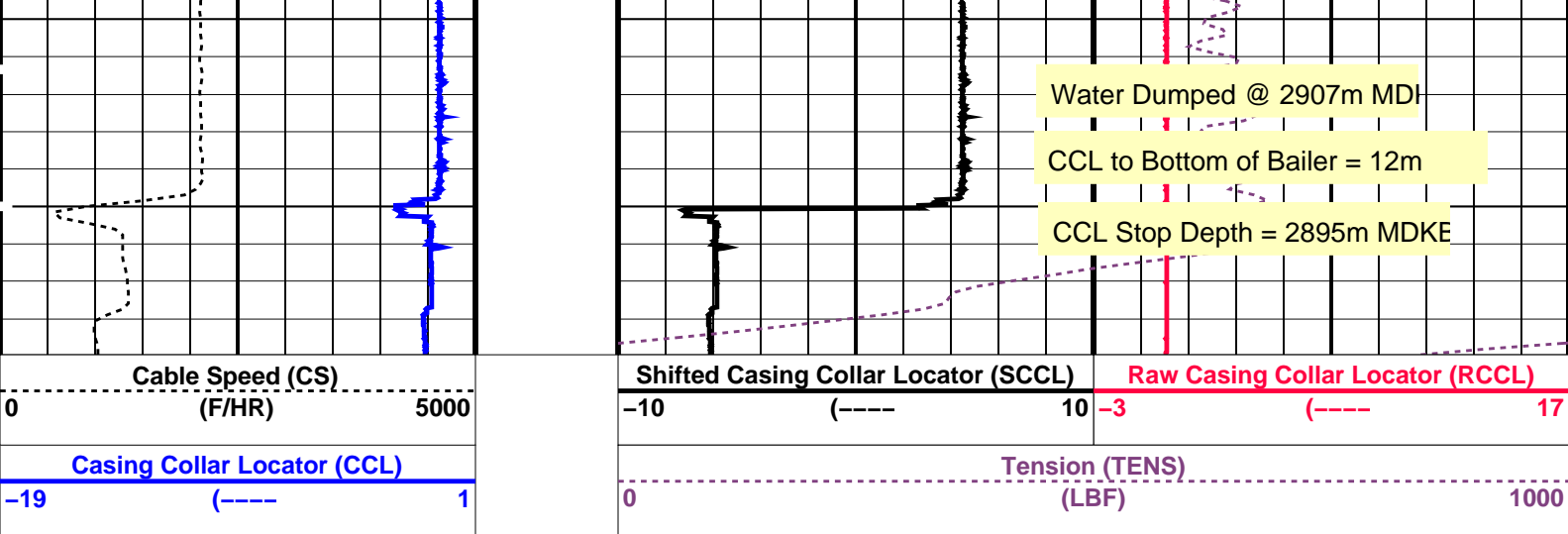
SHM_GUN 17C0-154 CCL-PCCL-LA 17C0-154

PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

← Casing Collars

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
CCLD	CCL-PCCL-LA: 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_1 Vertical Scale: 1:200

Graphics File Created: 07-Apr-2010 14:48

OP System Version: 17C0-154

SHM_GUN 17C0-154 CCL-PCCL-LA 17C0-154

Input DLIS Files

DEFAULT PERFO_066LUP FN:79 PRODUCER 07-Apr-2010 14:40 2899.1 M 2849.4 M

Output DLIS Files

DEFAULT PERFO_067PUP FN:80 PRODUCER 07-Apr-2010 14:48

Schlumberger

Log Away From Plug Setting

MAXIS Field Log

Output DLIS Files

DEFAULT MPBT_062LUP FN:75 PRODUCER 07-Apr-2010 12:42 2901.1 M 2848.1 M

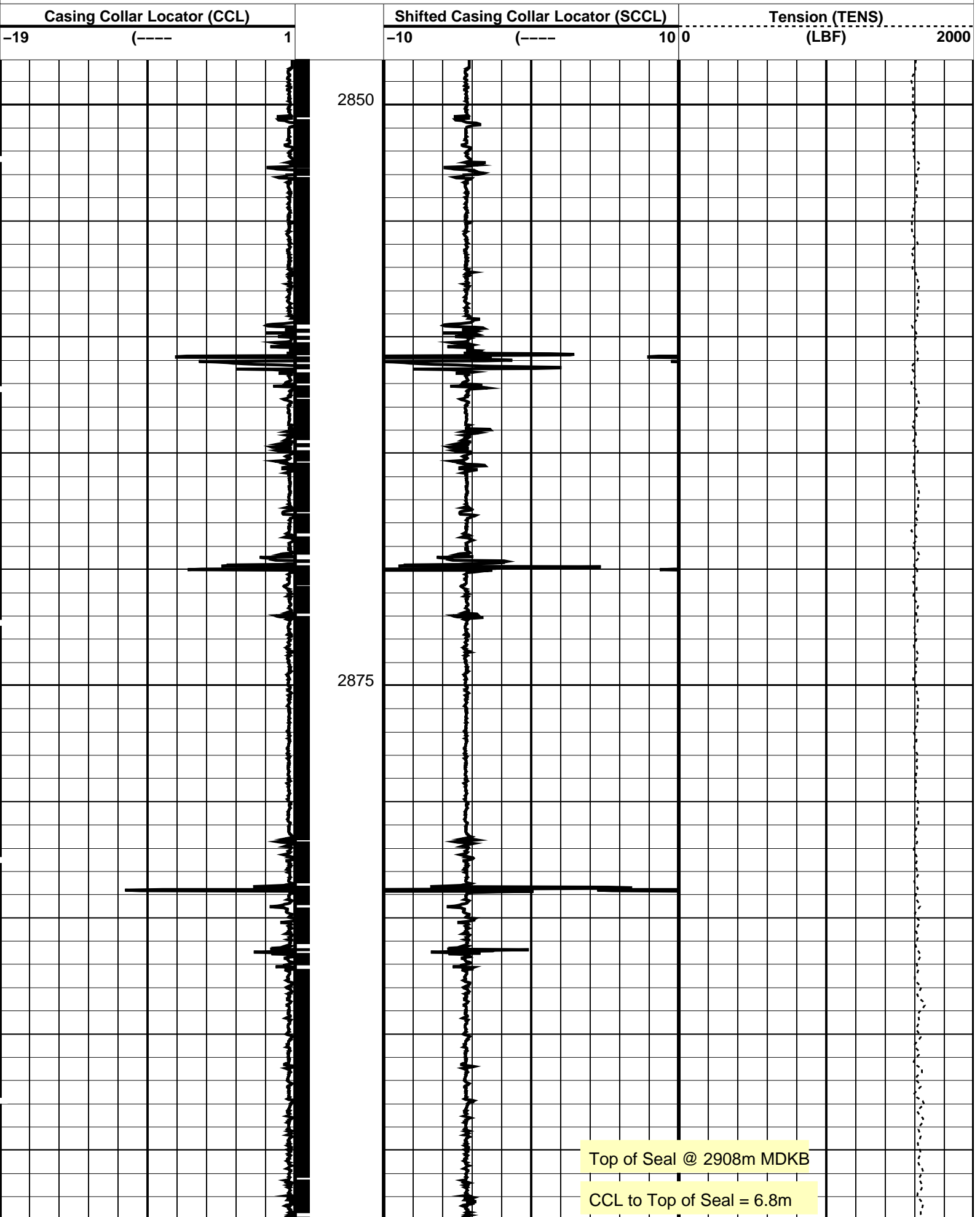
OP System Version: 17C0-154

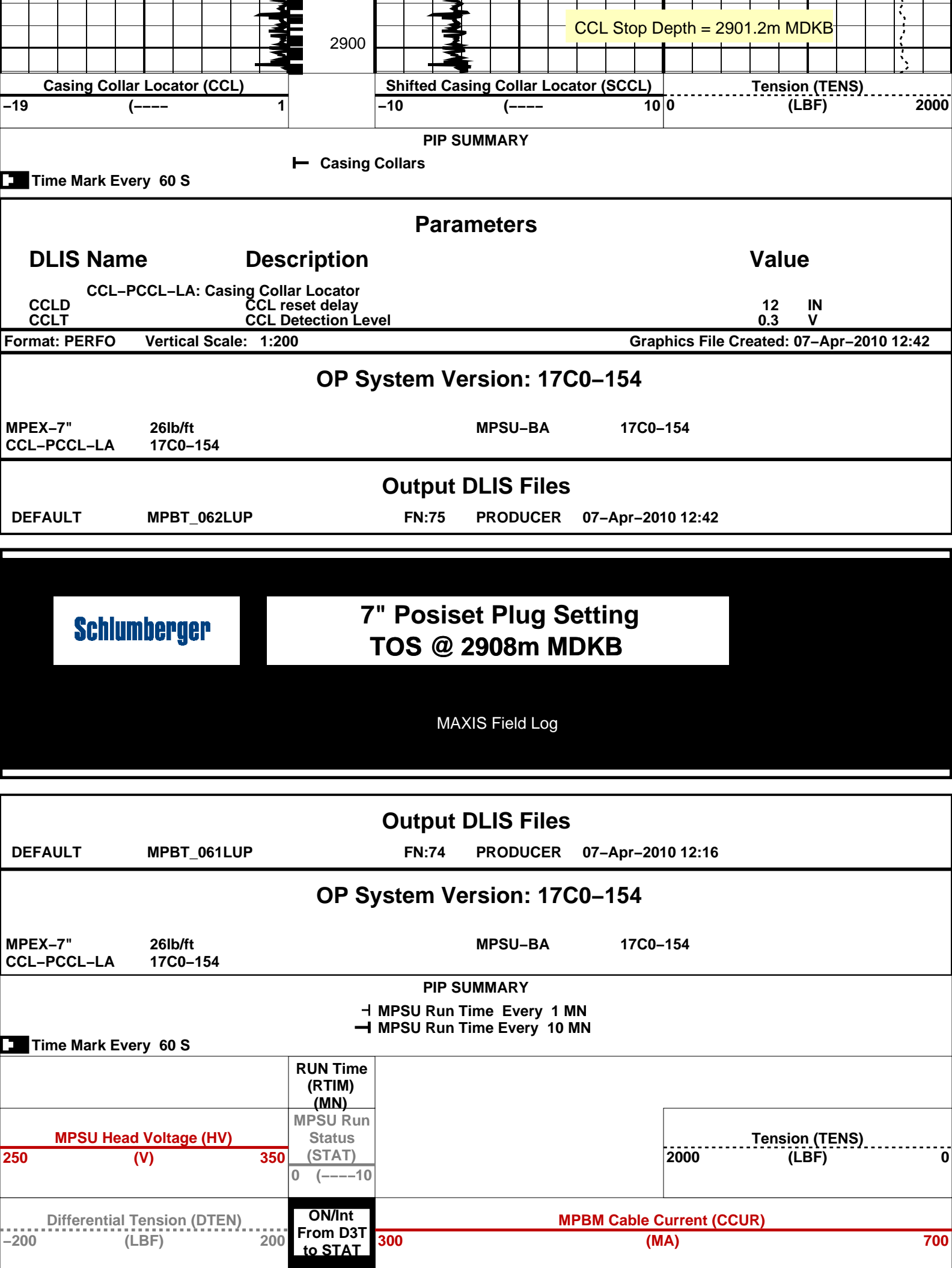
MPEX-7" 26lb/ft MPSU-BA 17C0-154
CCL-PCCL-LA 17C0-154

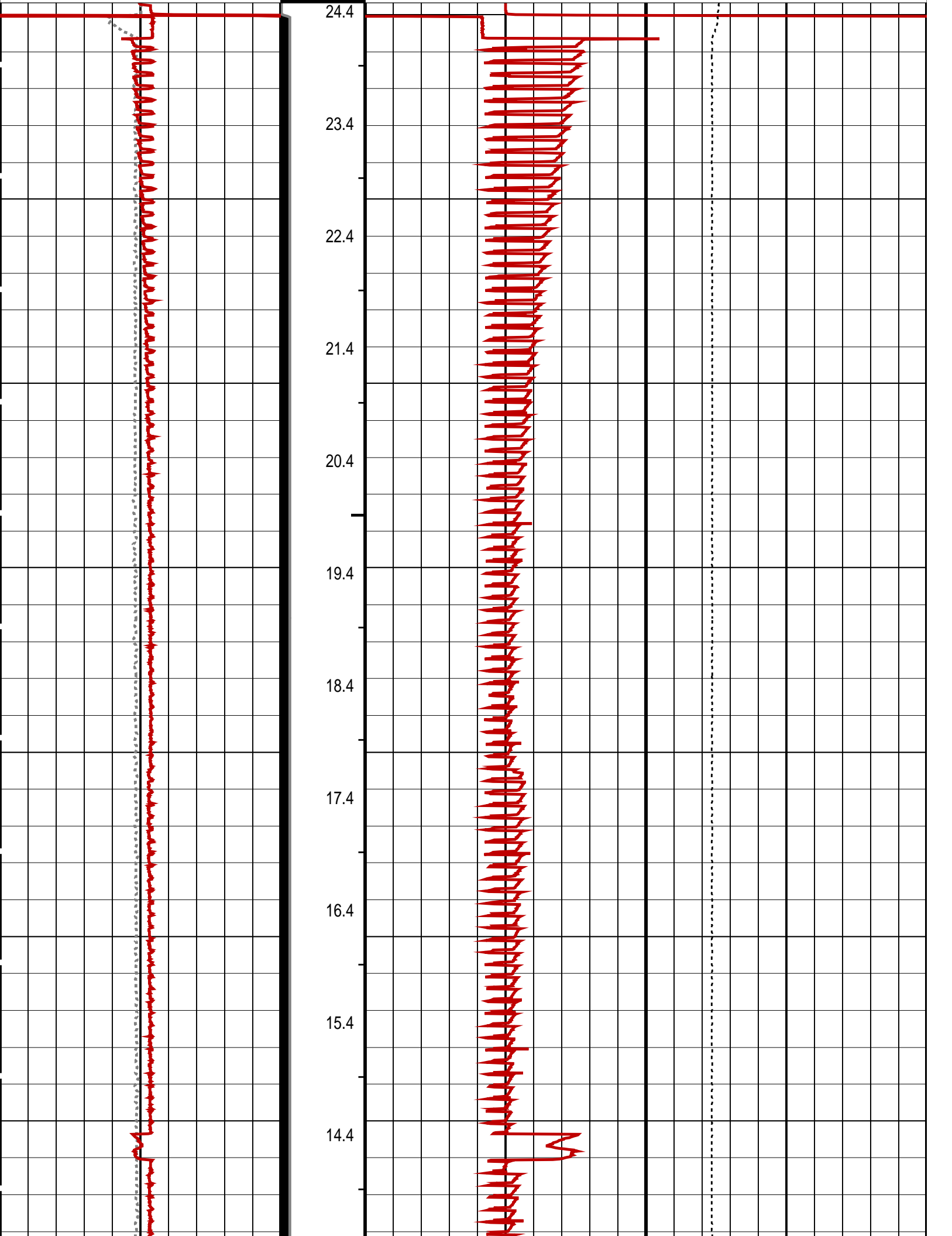
PIP SUMMARY

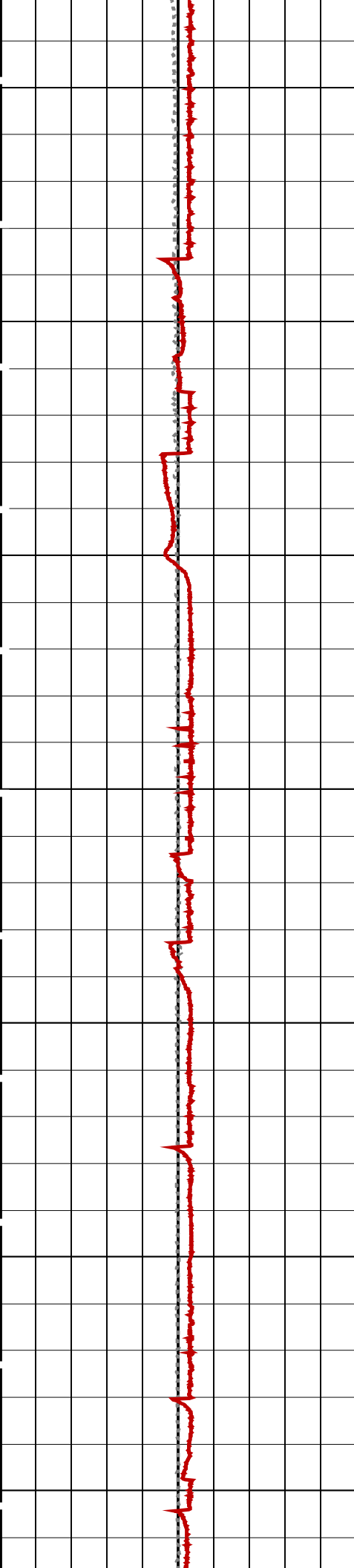
└─ Casing Collars

Time Mark Every 60 S

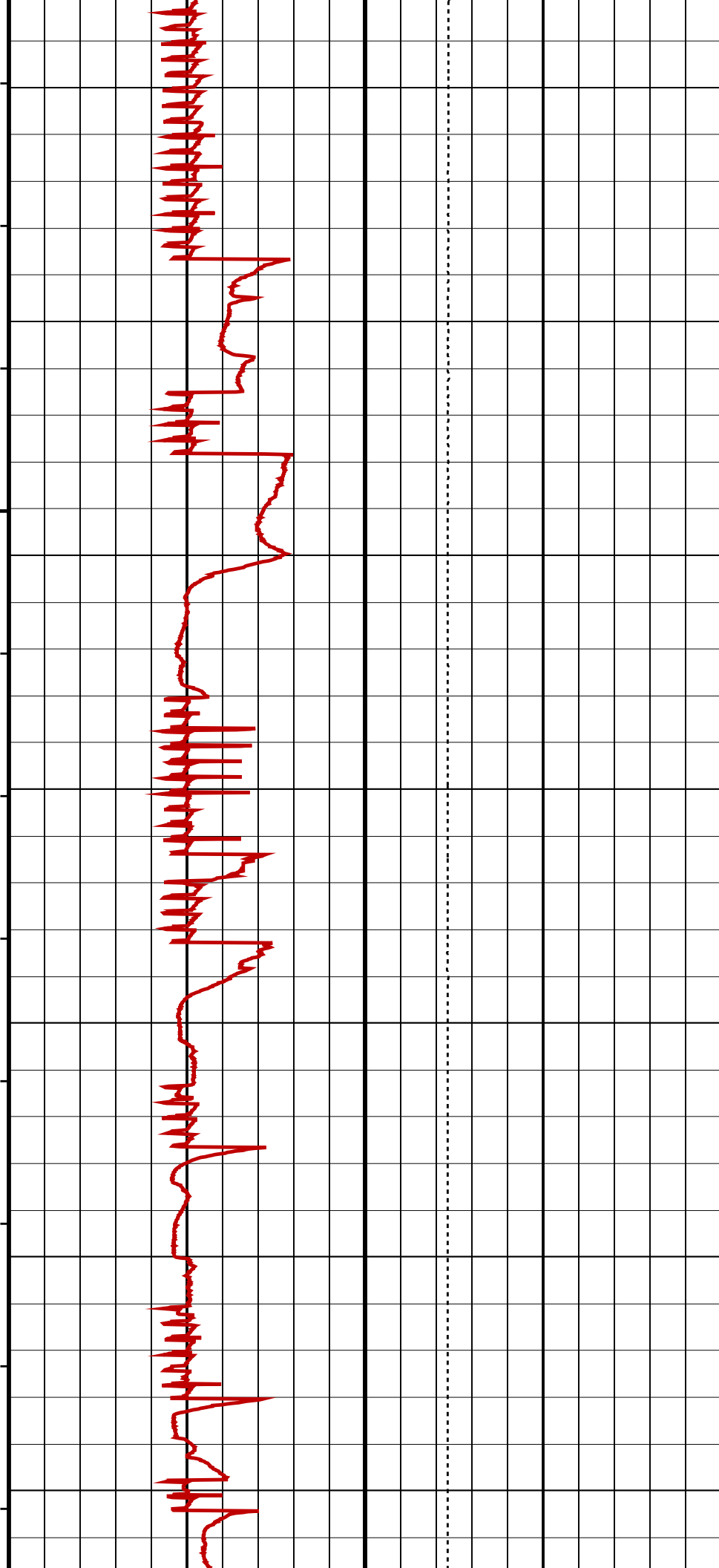


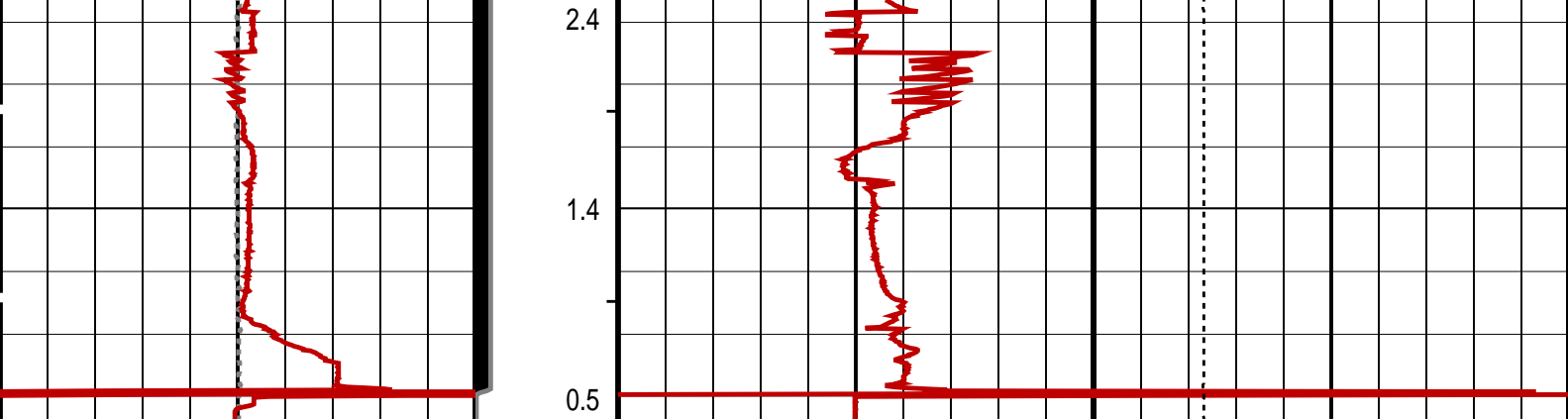






13.4
12.4
11.4
10.4
9.4
8.4
7.4
6.4
5.4
4.4
3.4





Differential Tension (DTEN) (LBF)	ON/Int From D3T to STAT	MPBM Cable Current (CCUR) (MA)	Tension (TENS) (LBF)
-200 200		300 700	2000 0
MPSU Head Voltage (HV) (V)	MPSU Run Status (STAT)		
250 350	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
MPSU-BA: MECHANICAL PLUGBACK SETTING UNIT		
IPUMP	Intensifier Pump	TRUE
Format: MPBT	Vertical Scale: 1:600	Graphics File Created: 07-Apr-2010 12:16

OP System Version: 17C0-154

MPEX-7"	26lb/ft	MPSU-BA	17C0-154
CCL-PCCL-LA	17C0-154		

Output DLIS Files

DEFAULT	MPBT_061LUP	FN:74	PRODUCER	07-Apr-2010 12:16
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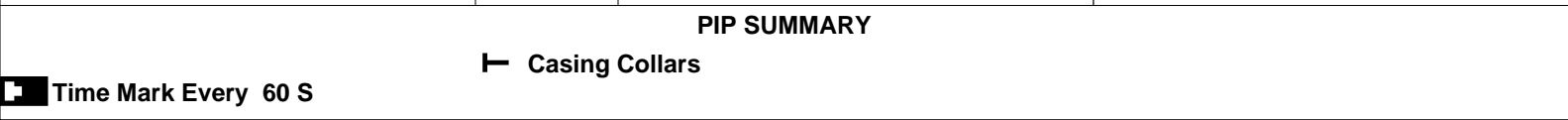
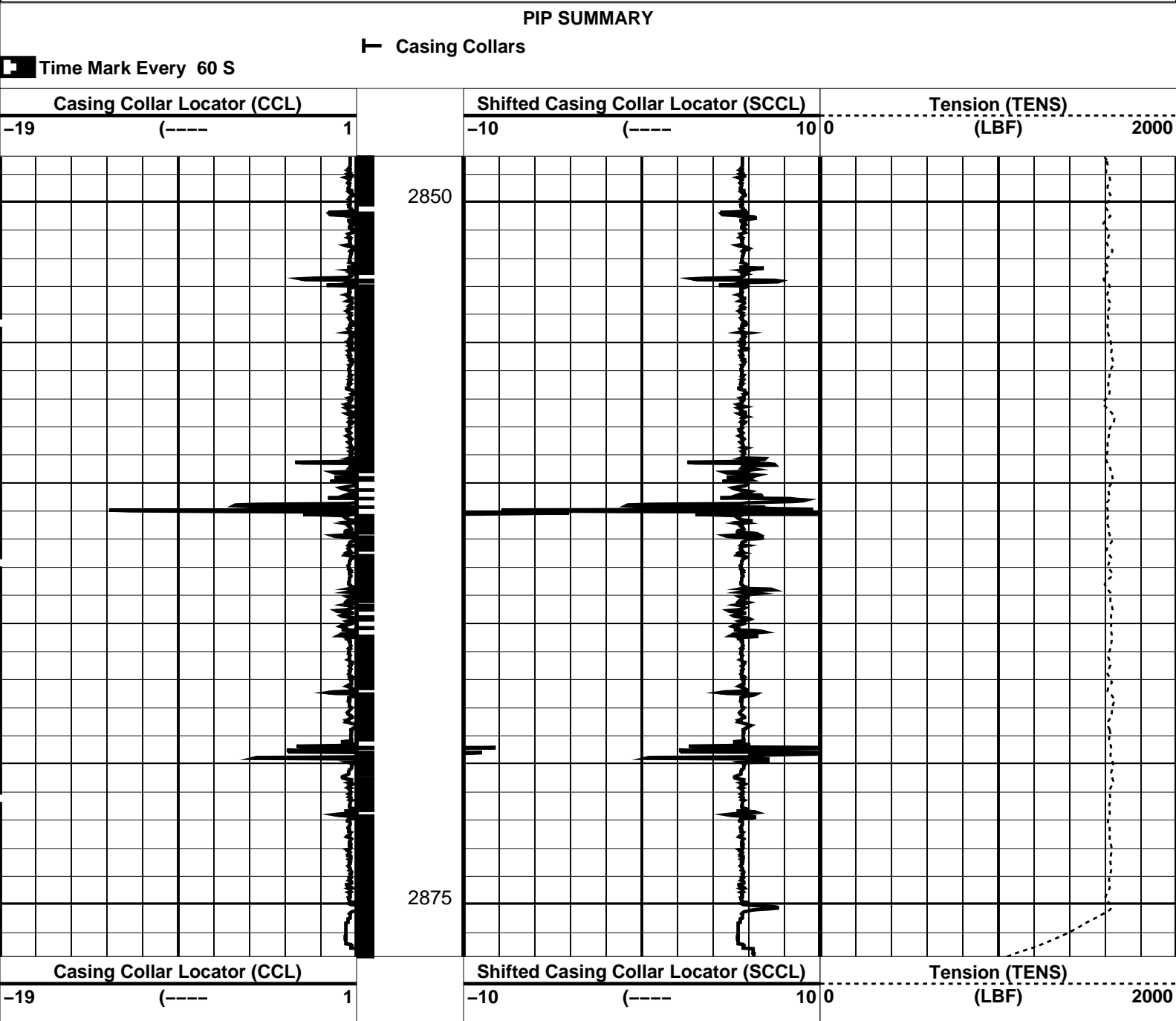
Plug Correlation Pass

MAXIS Field Log

Output DLIS Files

DEFAULT	MPBT_060LUP	FN:73	PRODUCER	07-Apr-2010 12:02	2876.9 M	2848.4 M
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OP System Version: 17C0-154



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

Format: PERFO

Vertical Scale: 1:200

Graphics File Created: 07-Apr-2010 12:02



2.13" Dummy Plug

MAXIS Field Log

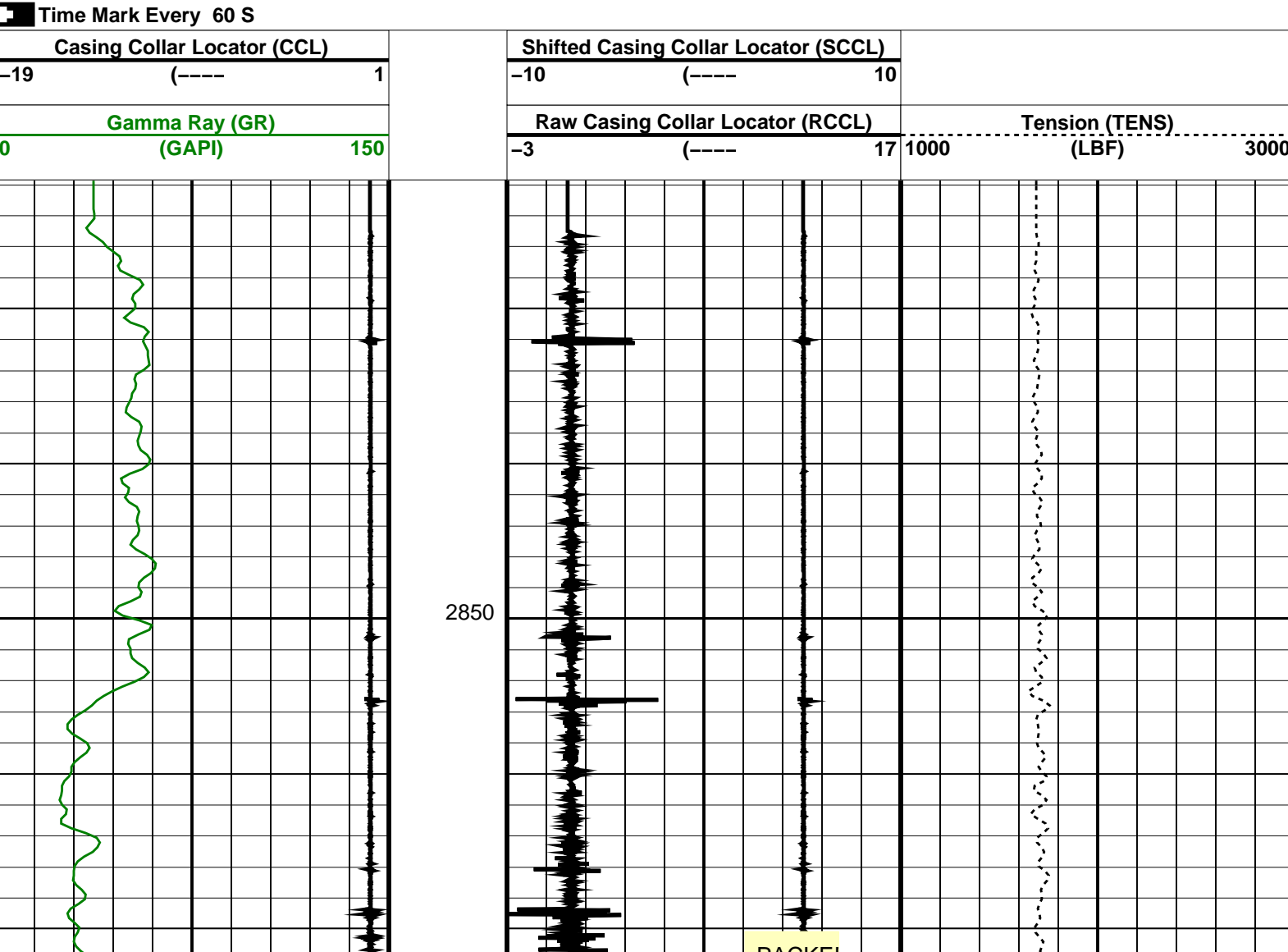
Company: Esso Australia Pty Ltd. Well: BREAM B 11

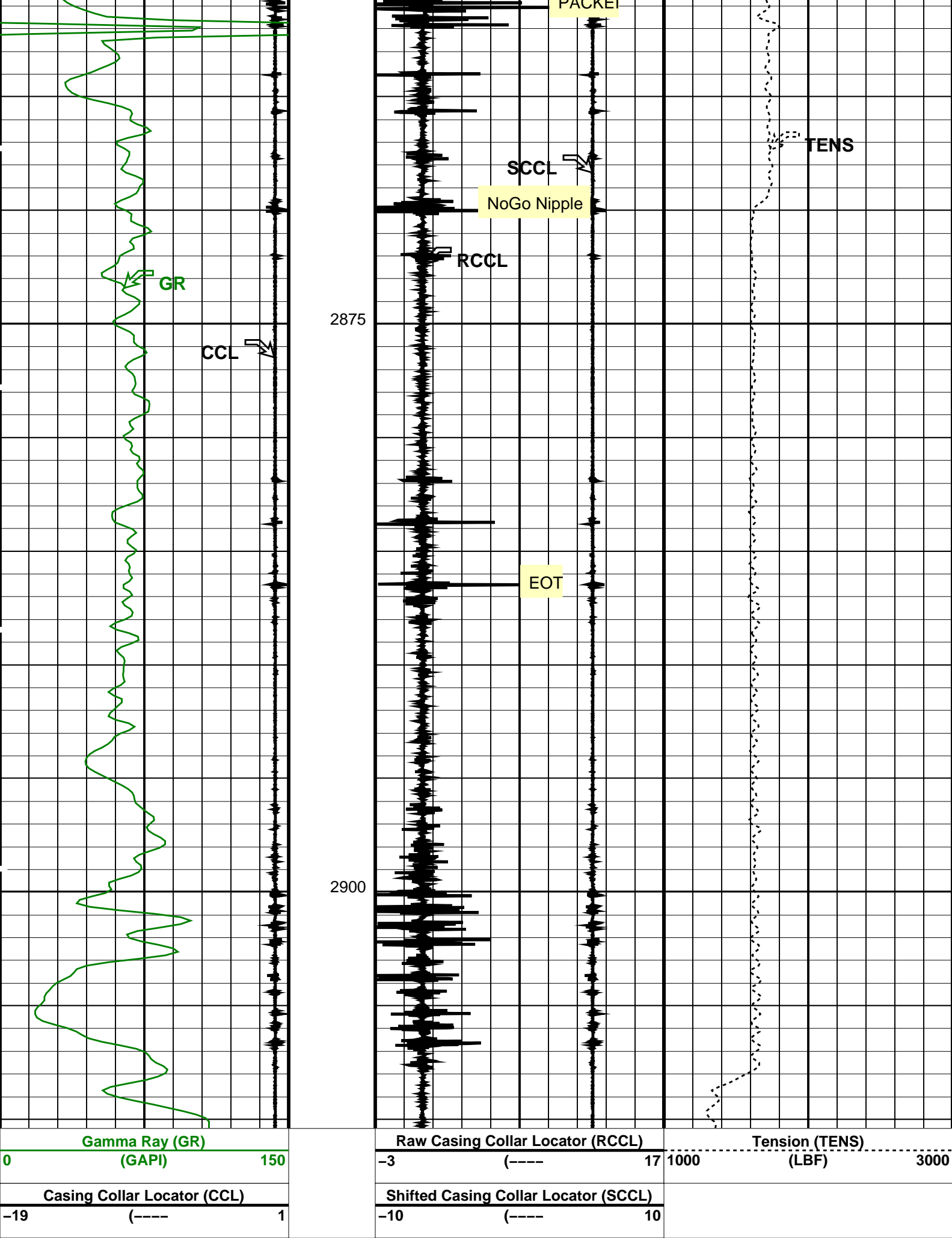
Input DLIS Files					
DEFAULT	PERFO_048LUP	FN:61	PRODUCER	06-Apr-2010 15:12	2911.0 M 2837.2 M
Output DLIS Files					
DEFAULT	PERFO_050PUP	FN:63	PRODUCER	06-Apr-2010 15:20	2910.4 M 2835.7 M

OP System Version: 17C0-154

SHM_GUN	17C0-154	SAFE	17C0-154
UPCT-A	17C0-154		

PIP SUMMARY





Parameters

DLIS Name	Description	Value
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DO	System and Miscellaneous	
PP	Depth Offset for Playback	-0.6 M
	Playback Processing	NORMAL

Format: CCLLog Vertical Scale: 1:200

Graphics File Created: 06-Apr-2010 15:20

OP System Version: 17C0-154

SHM_GUN	17C0-154	SAFE	17C0-154
UPCT-A	17C0-154		

Input DLIS Files

DEFAULT	PERFO_048LUP	FN:61	PRODUCER	06-Apr-2010 15:12	2911.0 M	2837.2 M
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Output DLIS Files

DEFAULT	PERFO_050PUP	FN:63	PRODUCER	06-Apr-2010 15:20
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Schlumberger

Gun Shooting Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: BREAM B 11

Output DLIS Files

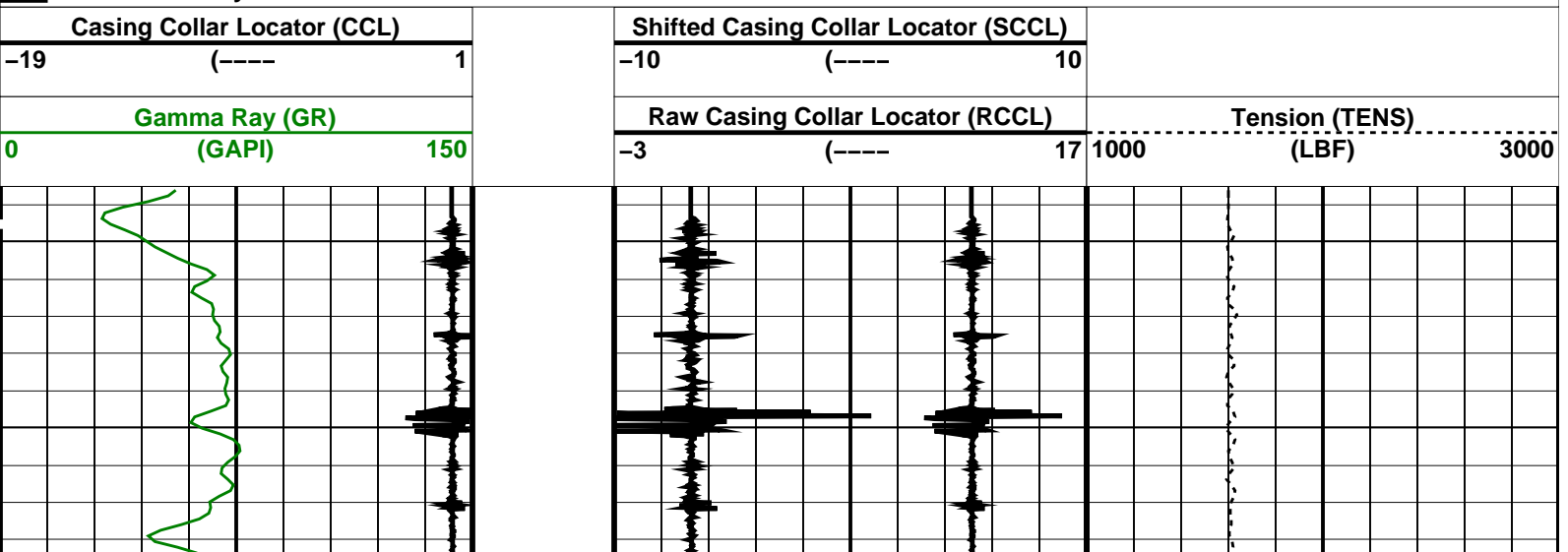
DEFAULT	PERFO_042LUP	FN:55	PRODUCER	06-Apr-2010 13:14	2906.9 M	2863.4 M
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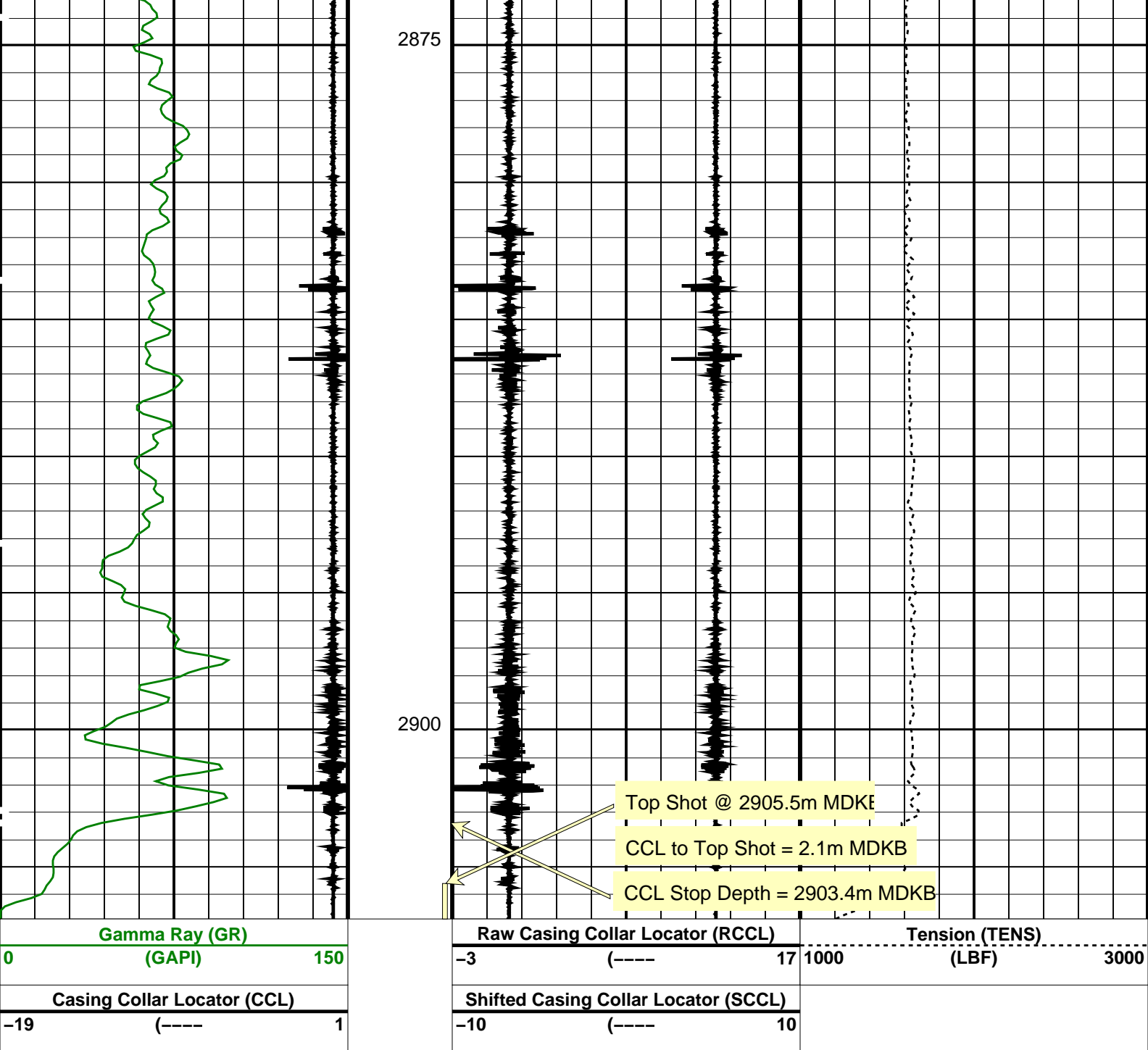
OP System Version: 17C0-154

SHM_GUN	17C0-154	SAFE	17C0-154
UPCT-A	17C0-154		

PIP SUMMARY

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Format: CCLLog Vertical Scale: 1:200

Graphics File Created: 06-Apr-2010 13:14

OP System Version: 17C0-154

SHM_GUN 17C0-154
UPCT-A 17C0-154

SAFE

17C0-154

Output DLIS Files

DEFAULT PERFO_042LUP

FN:55 PRODUCER 06-Apr-2010 13:14

Company: Esso Australia Pty Ltd.

Well: BREAM B 11

Output DLIS Files

DEFAULT

PERFO_041LUP

FN:54

PRODUCER

06-Apr-2010 13:09

2910.1 M

2880.8 M

OP System Version: 17C0-154

SHM_GUN

17C0-154

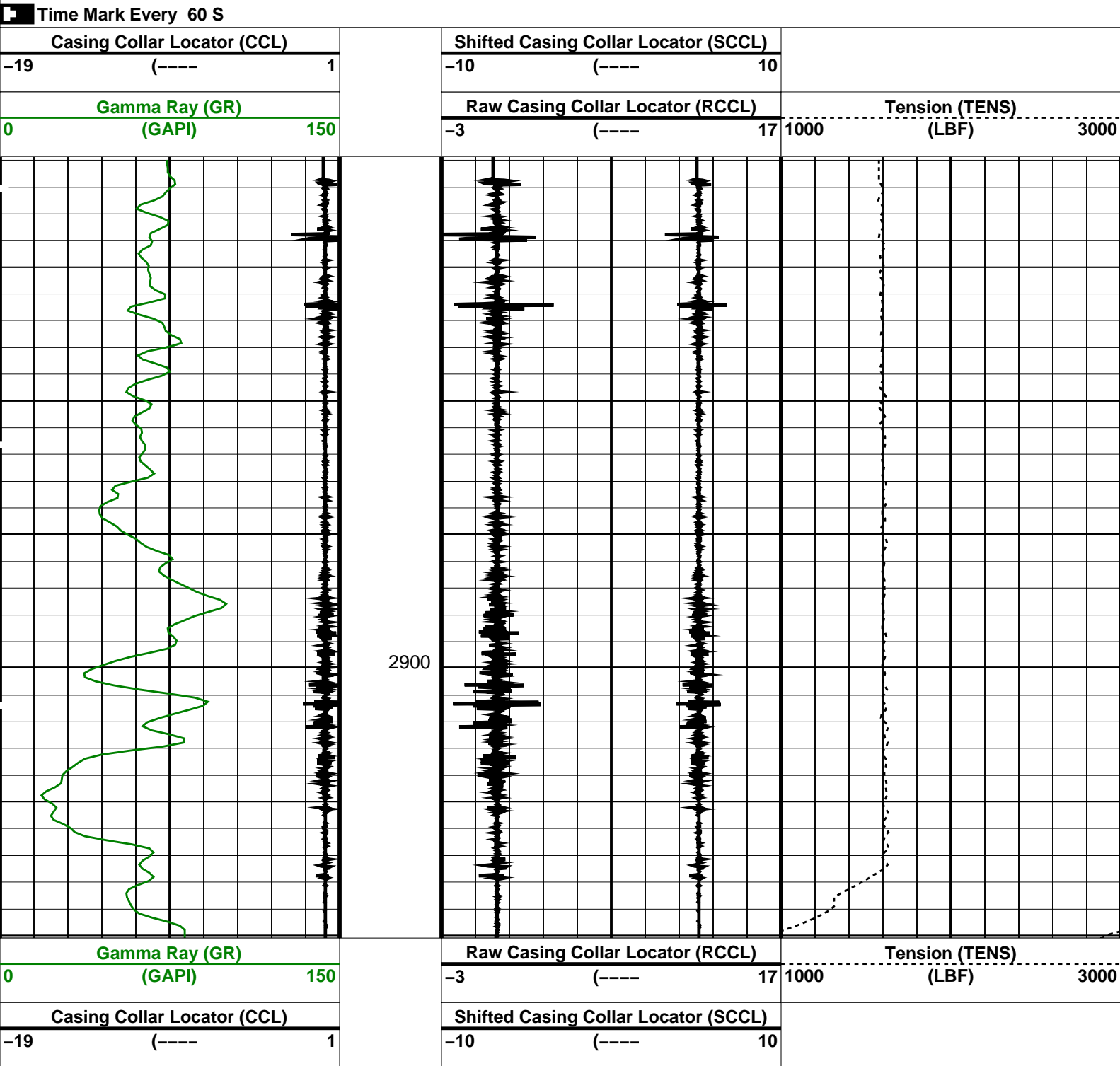
SAFE

17C0-154

UPCT-A

17C0-154

PIP SUMMARY



PIP SUMMARY

Time Mark Every 60 S			
Format: CCLLog		Vertical Scale: 1:200	Graphics File Created: 06-Apr-2010 13:09
OP System Version: 17C0-154			
SHM_GUN	17C0-154	SAFE	17C0-154
UPCT-A	17C0-154		
Output DLIS Files			
DEFAULT	PERFO_041LUP	FN:54	PRODUCER 06-Apr-2010 13:09

Company:	Esso Australia Pty Ltd.	Schlumberger
Well:	BREAM B 11	
Field:	BREAM B	
Rig:	Crane / Prod # 4	
Country:	Australia	
	2" HSD with UPCT Perforation Record 7" Posiset Plug Setting Record	