

**Company: Esso Australia Pty Ltd.**

**Well: BMA A-18**  
**Field: Bream**  
**Rig: ISS / Rig 22**

**Country: Australia**

**2 1/2 " PowerCutter**  
**CCL**

**Rig:** ISS / Rig 22  
**Field:** Bream  
**Location:** Bass Strait  
**Well:** BMA A-18  
**Company:** Esso Australia Pty Ltd.

**LOCATION**

Bass Strait Gippsland Basin	Elev.: <b>K.B. 33.5 m</b> G.L. <b>-59.4 m</b> D.F. <b>32 m</b>
Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____	Mean Sea Level _____ Drill Floor _____ Drill Floor _____ Elev.: <b>0 m</b> <b>33.5 m above Perm. Datum</b>
State: <b>Victoria</b>	Max. Well Deviation <b>39 deg</b> Longitude <b>147°46'15"E</b> Latitude <b>38°30'4"S</b>

Logging Date	17-Feb-2007	
Run Number	1	
Depth Driller	2314 m	
Schlumberger Depth	2212.2 m Tagged	
Bottom Log Interval	2210 m	
Top Log Interval	2210 m	
Casing Fluid Type	Inhibitor and Sea Water	
Salinity		
Density	7.8 lbm/gal	
Fluid Level		
BIT/CASING/TUBING STRING		
Bit Size	8.500 in	
From	0 m	
To	2382 m	
Casing/Tubing Size	7.000 in	
Weight	26 lbm/ft	
Grade	K-55	
From	13 m	
To	2332 m	
Maximum Recorded Temperatures		
Logger On Bottom	17-Feb-2007	12:30
Unit Number	3827	AUSL
Recorded By	Michael Pratt/Owen Darby	
Witnessed By	Mr J Dean/Mr D Broomfield	

**PVT DATA**

Oil Density	Run 1	Run 2	F
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	39 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			

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## DEPTH SUMMARY LISTING

Date Created: 18-FEB-2007 7:09:21

### Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-E Serial Number: 727 Calibration Date: 23-03-2006 Calibrator Serial Number: 9 Calibration Cable Type: 2-32ZT Wheel Correction 1: -1 Wheel Correction 2: -2	Type: CMTD-B/A Serial Number: 1711 Calibration Date: 01-Dec-2006 Calibrator Serial Number: 1173 Calibration Gain: 1.00 Calibration Offset: 695.00	Type: 2-32ZT Serial Number: 24031 Length: 5619.90 M <hr/> Conveyance Method: Wireline Rig Type: Offshore_Fixed

### Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	Existing well completion equipment
Reference Log Run Number:	N/A
Reference Log Date:	22-01-2007

### Depth Control Remarks

1. Correlated to Existing well completion equipment
2. Used IDW as primary depth control
3. Used Z-Chart as secondary depth control
- 4.
- 5.
- 6.

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OTHER SERVICES1	OTHER SERVICES2
OS1: None	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
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Log correlated to tubing Tally.

Objective:

Rig up wireline, pressure test 300 psi (low) - 3000 psi (high) against FOBV.

RIH, correlate to tubing existing well completion equipment tally. Pull up to approximately 2210m MDKB and cut tubing, POOH, rig down wireline.

Required cutting depth = 2210.0 m MDKB

CCL to severing head = 1.9 m

CCL stop depth = 2208.1m MDKB

Schlumberger Crew:

Operators = Peter Battams & Gerald Brady (days)

Brendan Glover & Max Handcock (Nights)

Specialists = Owen Darby & Michael Pratt

RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

### EQUIPMENT DESCRIPTION

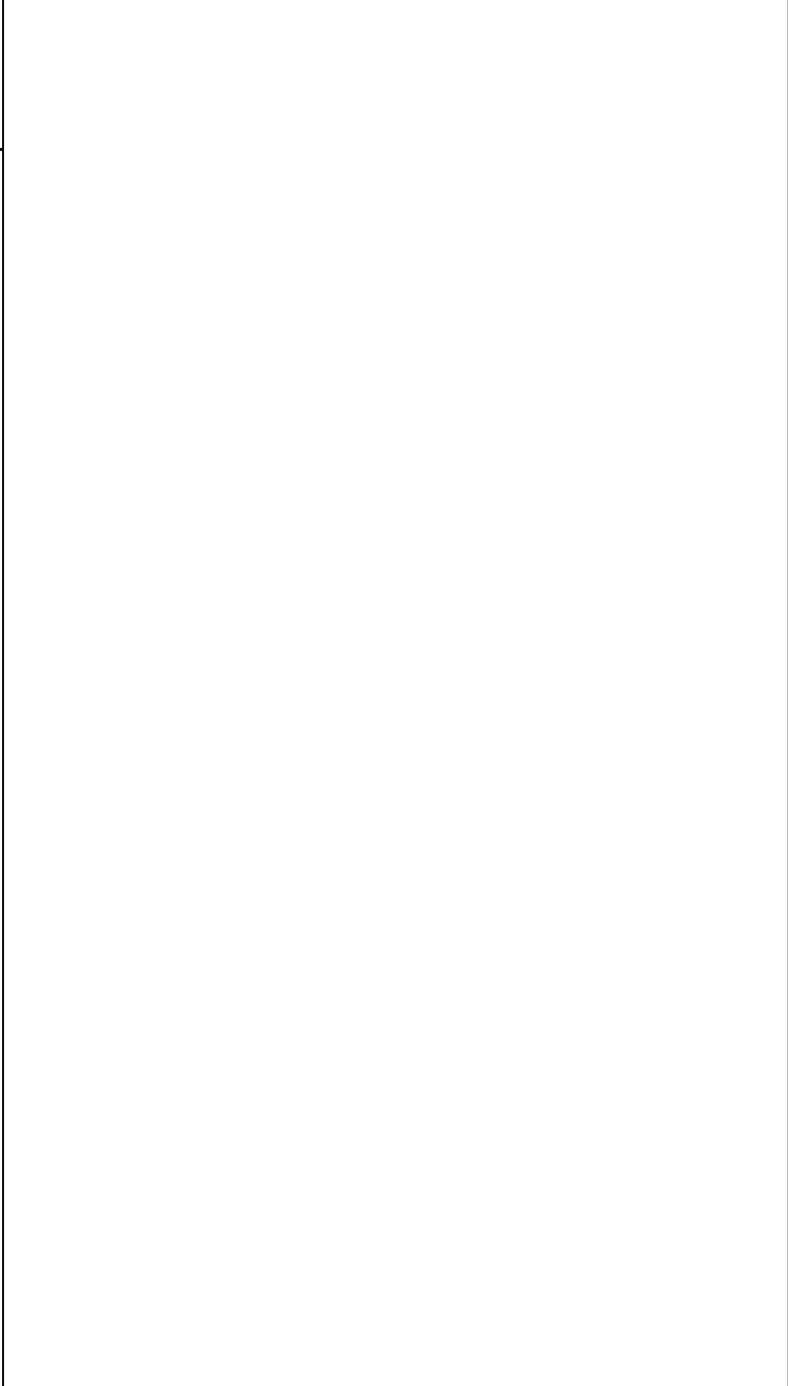
RUN 1	RUN 2
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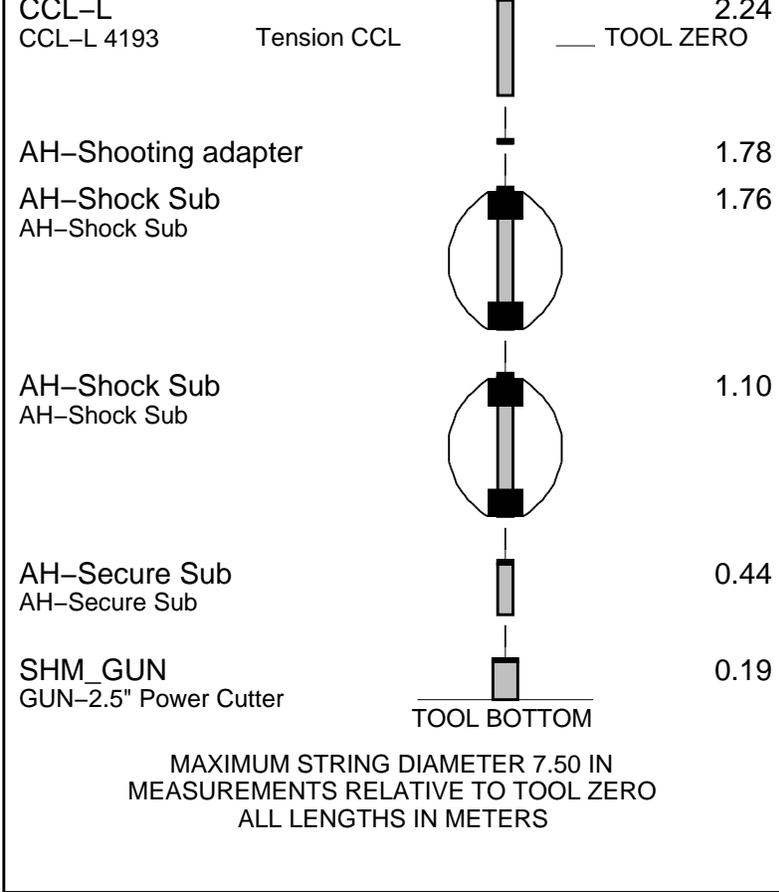
**SURFACE EQUIPMENT**

WITM (SHM)

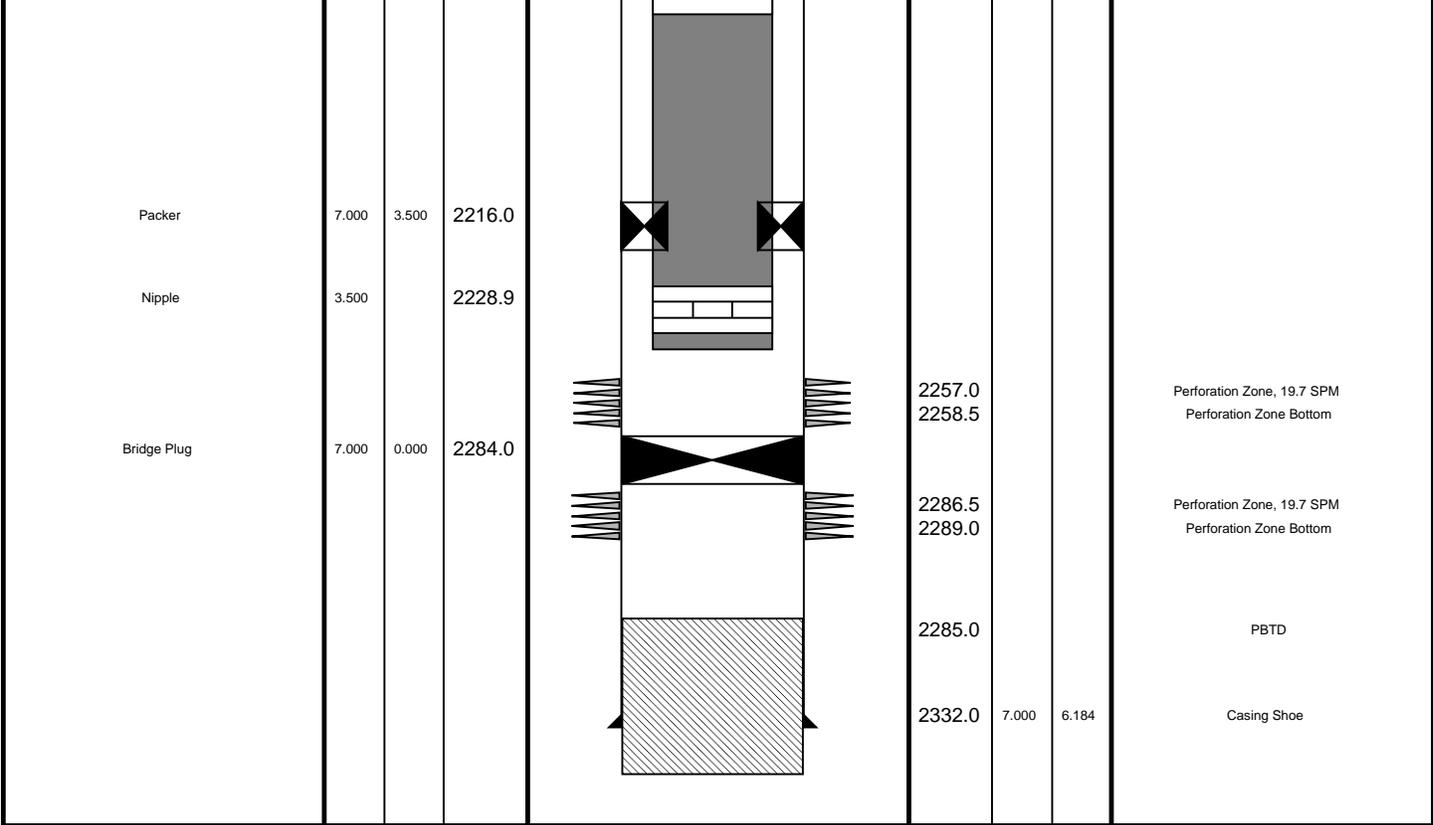
**DOWNHOLE EQUIPMENT**

AH-SLOTTED WEIGHT AH-SLOTTED WEIGHT		4.79
	-	
AH-SLOTTED WEIGHT AH-SLOTTED WEIGHT		4.04
	-	
AH-SLOTTED WEIGHT AH-SLOTTED WEIGHT		3.34
	-	
AH-SWHS AH-SWHS 759		2.64
	-	





Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing Hanger	7.000	3.500	12.5		<b>12.0</b>	10.750	9.760	Casing String
Tubing	3.500		12.5		12.0	7.000	6.184	Casing String
Shutin Valve	3.500		449.4		10.750	7.000	7.000	Liner Hanger
Gas Lift Mandrel	3.500		610.0					
Nipple	3.500		624.0					
Gas Lift Mandrel	3.500		1039.5					
Nipple	3.500		1053.6		833.4	10.750	9.760	Casing Shoe
Gas Lift Mandrel	3.500		1315.7					
Nipple	3.500		1329.8					



## Job Events Summary

MAXIS Field Log

### Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Simulated Log	17-Feb-2007 18:30	000:03		PERFO_015LUP
OP checked toolstring				
Rig Up Started	17-Feb-2007 21:00			
Simulated Log	18-Feb-2007 3:36	000:07		PERFO_032LUP
Hot checked toolstring				
Log Pass (down)	18-Feb-2007 5:00	000:37	427.8 - 2221.1	PERFO_034LDP
RIH with powercutter				
Log Pass (up)	18-Feb-2007 5:47	000:08	2220.2 - 2153.9	PERFO_038LUP
Tie in pass				
Log Pass (up)	18-Feb-2007 5:58	000:28	2220.0 - 2148.7	PERFO_039LUP
Cutting pass				
Rig Down Completed	18-Feb-2007 8:00			



# 2 1/2" PowerCutter Cutting Pass

MAXIS Field Log

## PERFO2 Operational Summary Listing

Device Status Req Depth ( M) Obs Depth ( M) Time Used

GUN1 Used 2210.0 2210.0 Sun Feb 18 06:05:20 2007

Company: Esso Australia Well: BMA A-18

### Output DLIS Files

DEFAULT PERFO\_039LUP FN:38 PRODUCER 18-Feb-2007 05:58 2220.0 M 2148.7 M

### OP System Version: 14C0-302

MCM

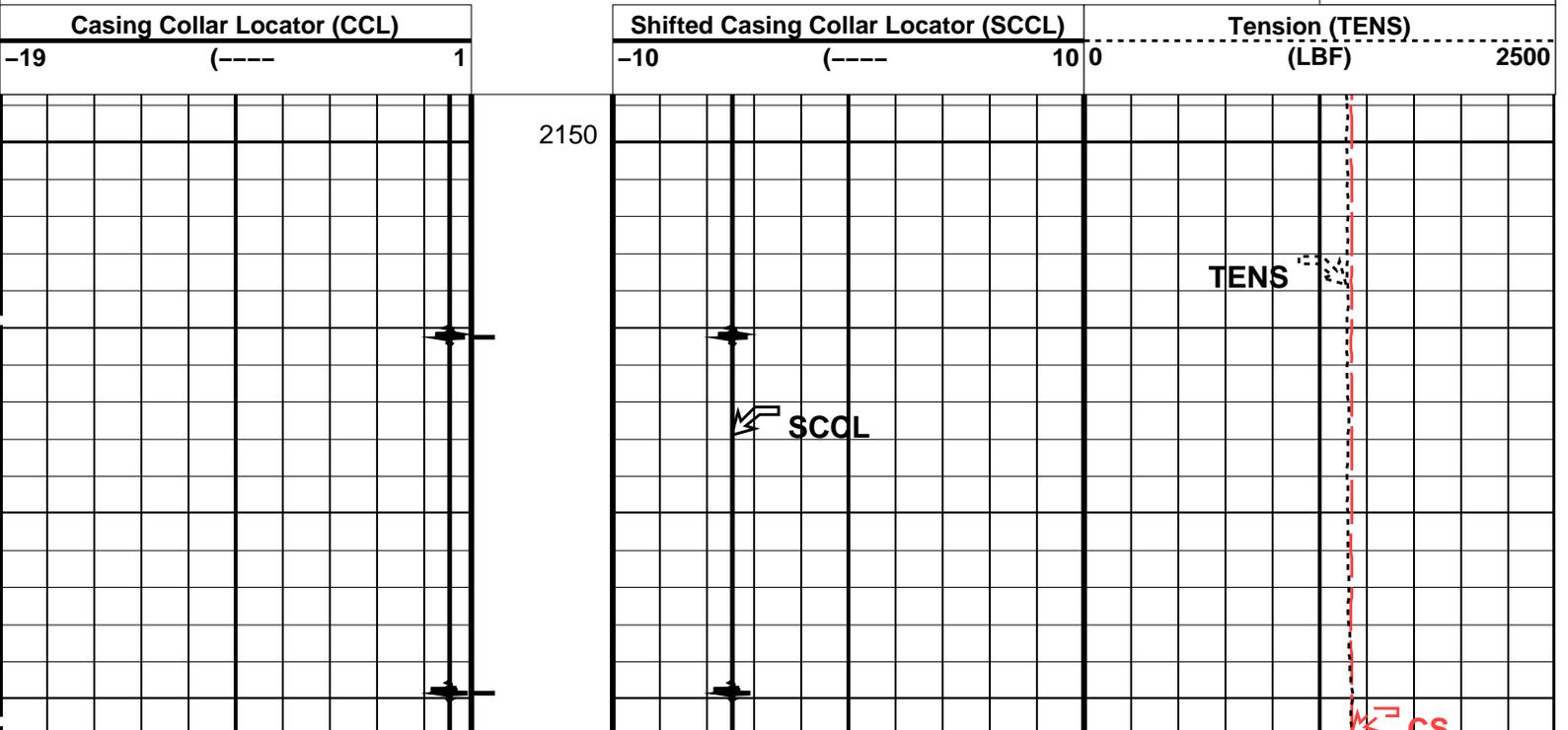
SHM\_GUN 14C0-302 CCL-L 14C0-302

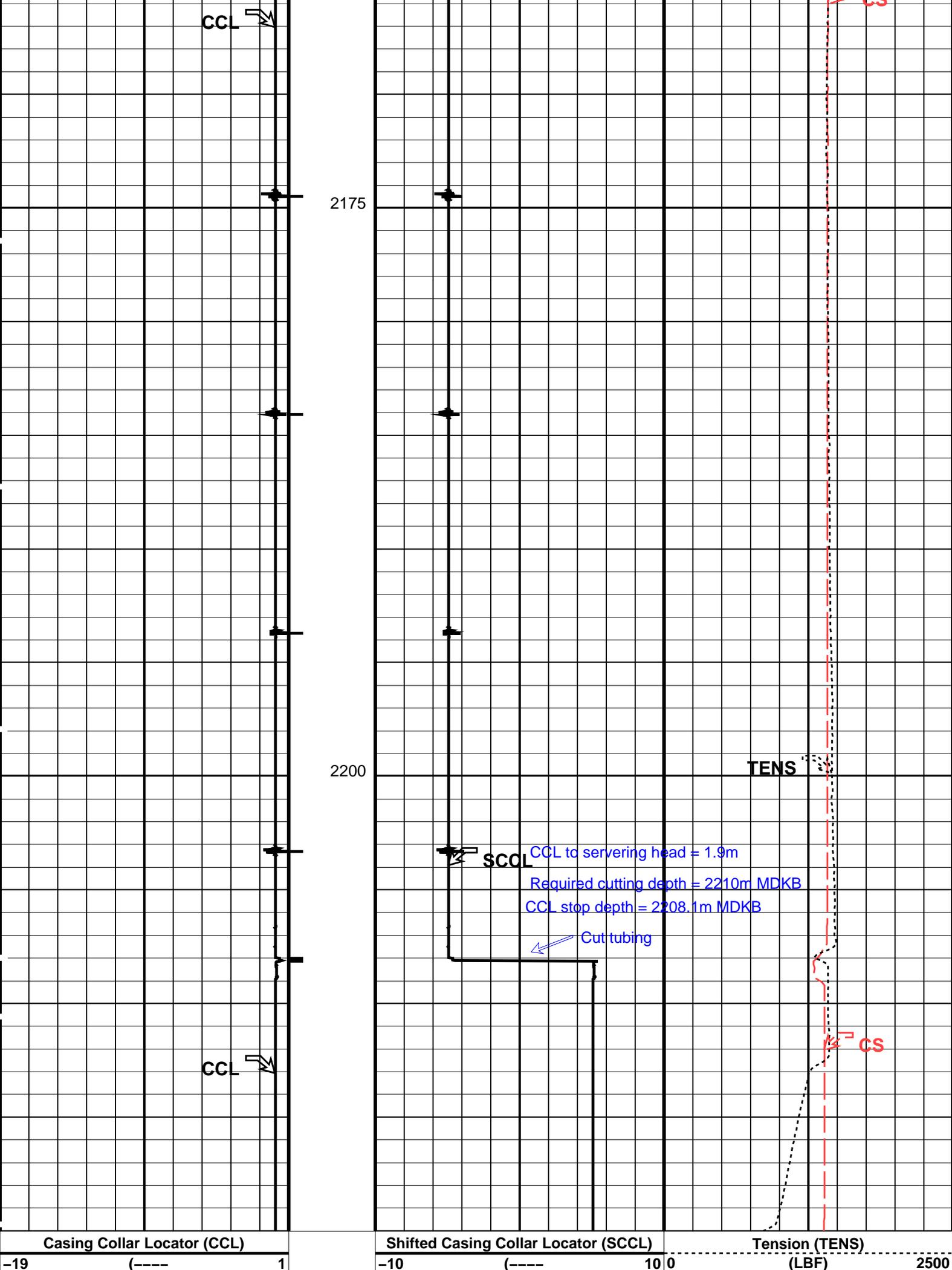
### PIP SUMMARY

← Casing Collars

Time Mark Every 60 S

Cable Speed (CS)  
0 (M/HR) 5000





CCL ↗

2175

2200

TENS ↗

SCCL ↗

CCL to servering head = 1.9m  
 Required cutting depth = 2210m MDKB  
 CCL stop depth = 2208.1m MDKB

↙ Cut tubing

CS ↗

CCL ↗

Casing Collar Locator (CCL)

Shifted Casing Collar Locator (SCCL)

Tension (TENS)

(LBF)

-19

(----

1

-10

(----

10 0

2500

Cable Speed (CS)  
0 (M/HR) 5000

PIP SUMMARY

← Casing Collars

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	

Format: PERFO\_1 Vertical Scale: 1:200 Graphics File Created: 18-Feb-2007 05:58

OP System Version: 14C0-302  
MCM

SHM\_GUN 14C0-302 CCL-L 14C0-302

Output DLIS Files

DEFAULT PERFO\_039LUP FN:38 PRODUCER 18-Feb-2007 05:58



2 1/2" PowerCutter  
Correlation Pass

MAXIS Field Log

Company: Esso Australia

Well: BMA A-18

Output DLIS Files

DEFAULT PERFO\_038LUP FN:37 PRODUCER 18-Feb-2007 05:47

OP System Version: 14C0-302  
MCM

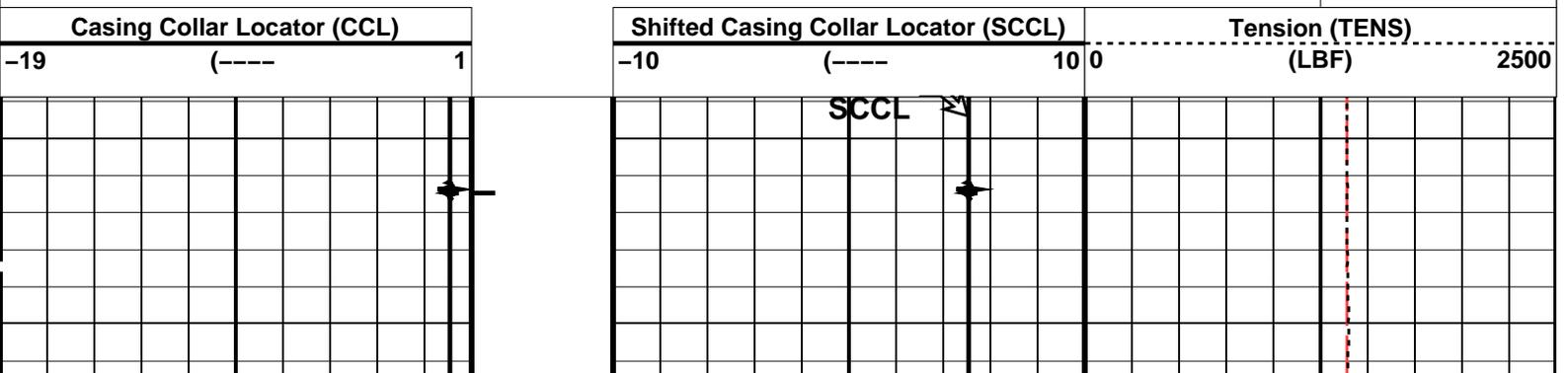
SHM\_GUN 14C0-302 CCL-L 14C0-302

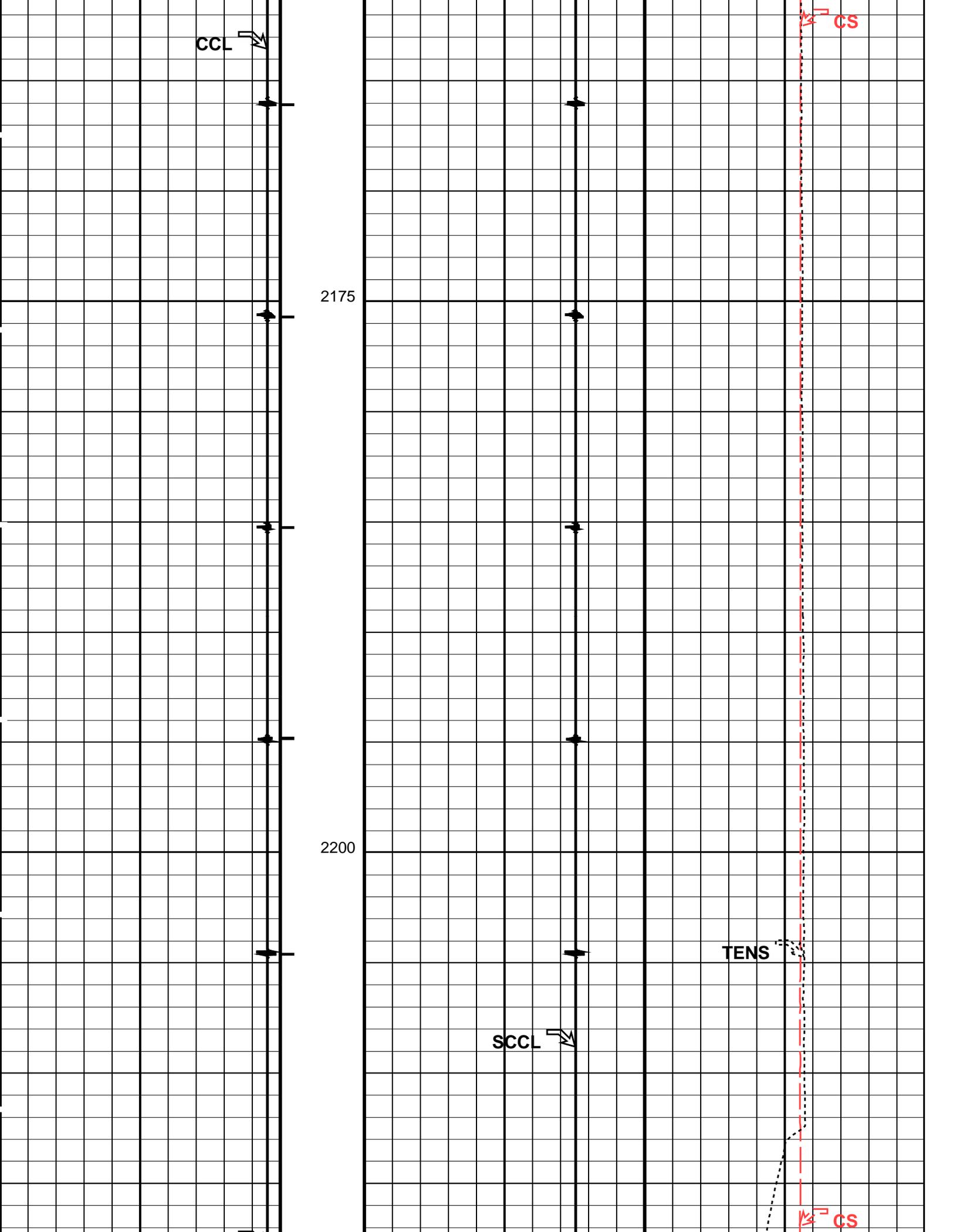
PIP SUMMARY

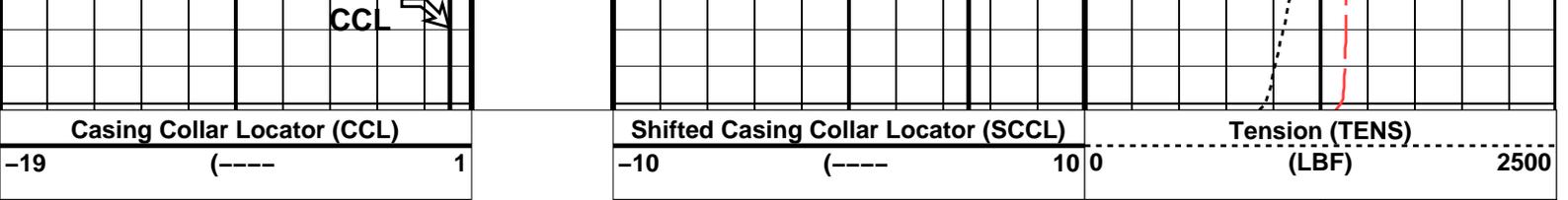
← Casing Collars

Time Mark Every 60 S

Cable Speed (CS)  
0 (M/HR) 5000







**Cable Speed (CS)**  
 0 (M/HR) 5000

**PIP SUMMARY**

← Casing Collars

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\_1 Vertical Scale: 1:200 Graphics File Created: 18-Feb-2007 05:47

**OP System Version: 14C0-302**

MCM

SHM\_GUN 14C0-302 CCL-L 14C0-302

**Output DLIS Files**

DEFAULT PERFO\_038LUP FN:37 PRODUCER 18-Feb-2007 05:47

Company: **Esso Australia Pty Ltd.**

**Schlumberger**

Well: **BMA A-18**

Field: **Bream**

Rig: **ISS / Rig 22**

Country: **Australia**

2 1/2 " PowerCutter  
 CCL