



Company: **Esso Australia Pty.**

Well: **A7**

Field: **Tuna**

Rig: **Prod 2 / Rig 22**

Country: **Australia**

1-11/16" Tubing Puncher
2-1/8" Chemical Cutter
26-Feb-2006

Prod 2 / Rig 22
Tuna
Gippsland
A7
Esso Australia Pty.

Prod 2 / Rig 22		1-11/16" Tubing Puncher 2-1/8" Chemical Cutter 26-Feb-2006	
Rig:	Tuna		
Field:	Gippsland		
Location:	A7		
Well:	Esso Australia Pty.		
Company:			
LOCATION			
Gippsland		Elev.: K.B. 32.9 m	
Basin		G.L. -59 m	
Bass Strait		D.F. 32.9 m	
Permanent Datum:		Elev.: 0 m	
Log Measured From:		32.9 m above Perm. Datum	
Drilling Measured From:			
State: Victoria	Max. Well Deviation 57 deg	Longitude 148°25' 05.29"E	Latitude 38°10' 16.00"S
Logging Date		26-Feb-2006	
Run Number	1	2	
Depth Driller	2783 m	2783 m	
Schlumberger Depth	not tagged	not tagged	
Bottom Log Interval	1738.61 m	2295 m	
Top Log Interval	1738 m	2295 m	
Casing Fluid Type	Sea Water	Sea Water	
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	8.500 in	8.500 in	
From	735 m	735 m	
To	1897 m	1897 m	
Casing/Tubing Size	2.875 in	2.875 in	
Weight	6.5 lbm/ft	6.5 lbm/ft	
Grade	L-80	L-80	
From	1734.24 m	1734.24 m	
To	2532.82 m	2532.82 m	
Maximum Recorded Temperatures			
Logger On Bottom	26-Feb-2006	27-Feb-2006	
Unit Number	3827	3827	
Location	AUSL	AUSL	
Recorded By	G. Fraser, O. Tahmiscic	G. Fraser, O. Tahmiscic	
Witnessed By	Jimmy Dean, Don Broomfield	Jimmy Dean, Don Broomfield	

		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		57 deg	57 deg	
CEMENTING DATA				
Primary/Squeeze		Primary	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				

Date Created: 16-APR-2006 1:12:58

Logging Cable

Type:	2-32ZT
Serial Number:	4202
Length:	6722.97 M
<hr/>	
Conveyance Method:	Wireline
Rig Type:	Offshore Fixed

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Completions Schematic
Reference Log Run Number:	not applicable
Reference Log Date:	
Subsequent Trip Down Log Correction:	

1. All Schlumberger Depth Control Procedures followed.
2. CCL response correlated to Completion Schematic.
3. IDW used as Primary Depth Control.
4. Z-Chart used as Secondary Depth Control.
- 5.
- 6.

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.

OS1: Tubing Puncher
OS2: Jet Cutters
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 2

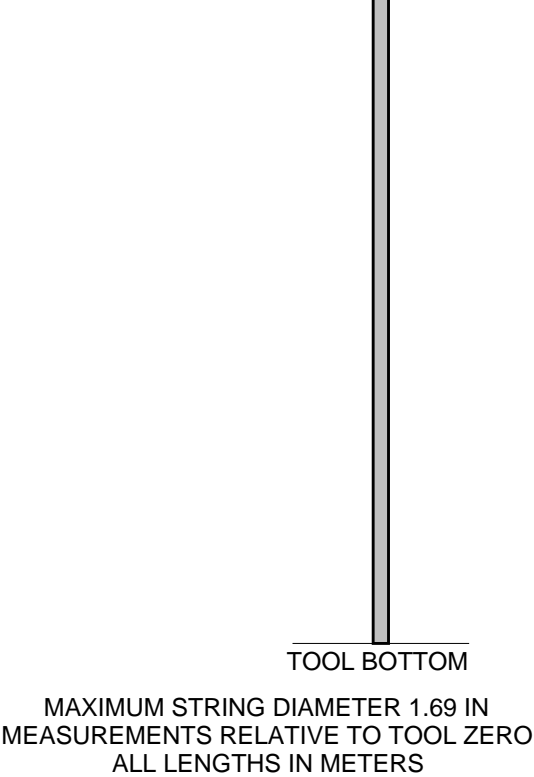
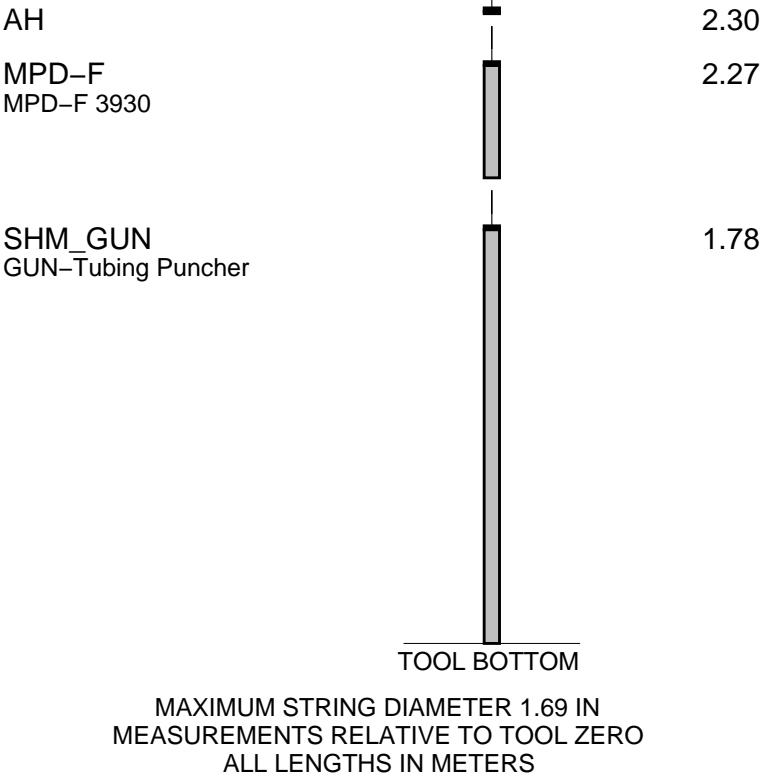
Objectives: Clear inner tubing from scale build-up with String Shot. Then Chemically Cut long string in the first joint above the single packer.

String Shot: Two 3m strands of 80 LS (RDX) primacord

String shot depth = 2295 mMDKB

CGI to Middle of String Chart 2.0 m

DOWNHOLE EQUIPMENT		DOWNHOLE EQUIPMENT	
MH-SWHS-A MH-SWHS-A 754	4.98	MH-SWHS-A MH-SWHS-A 754	5.80
AH-38	4.61	AH-38	5.44
EQF-43 EQF-43 218	4.58	EQF-43 EQF-43 218	5.41
CCL-L CCL-L 4193	2.76	CCL-L CCL-L 4193	3.58
SHM_GUN GUN-Tubing Puncher	3.12	SHM_GUN GUN-Tubing Puncher	3.12



Client: Esso Australia Pty.

Well: A7

Field: Tuna

State: Victoria

Country: Australia

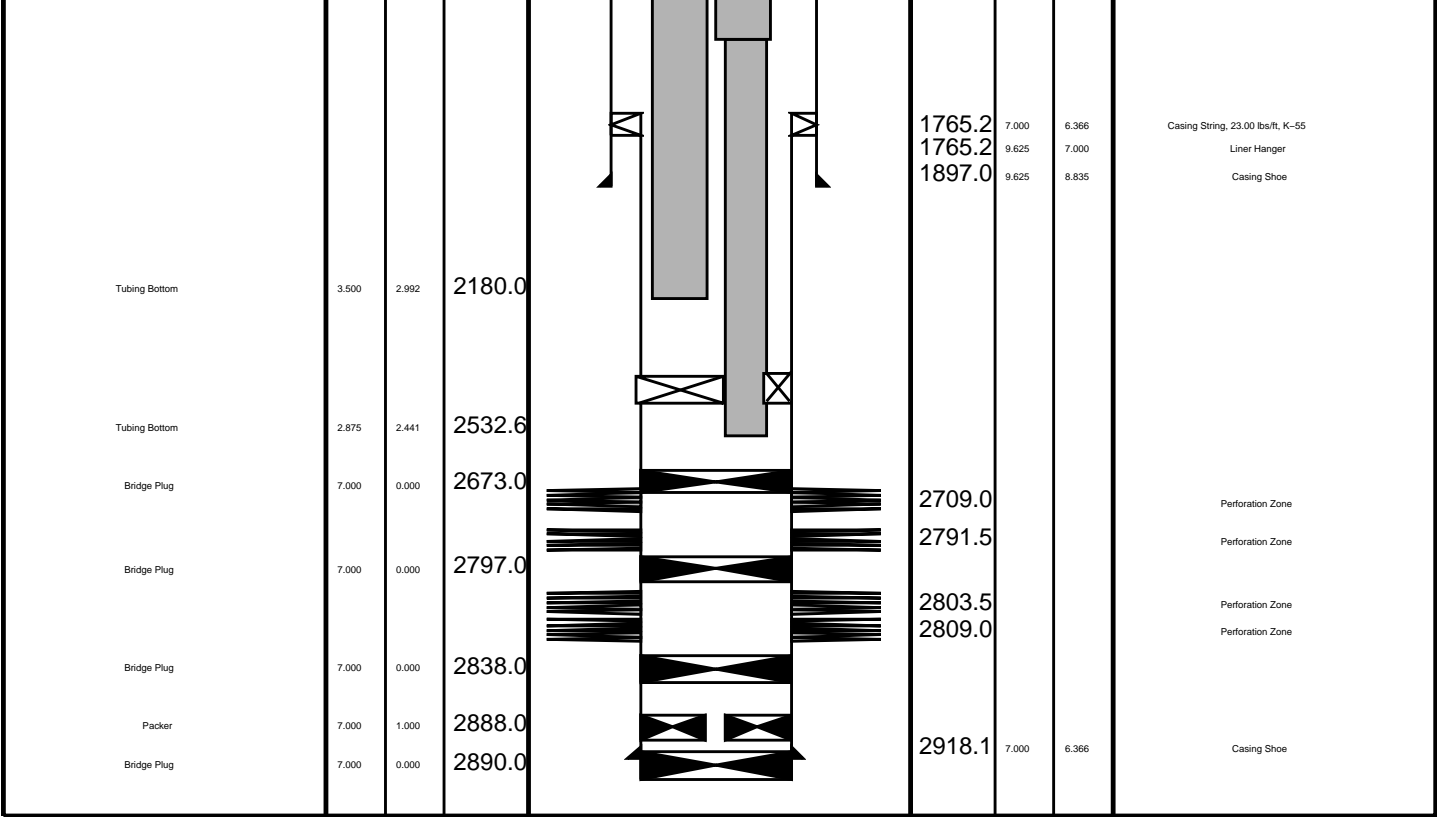
Rig Name: Rig 22

Reference Datum: Kelly Bushing

Elevation: 32.1 m

2/26/2006

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Short Tubing, 9.2 lbs/ft, L-80 Long Tubing, 6.5 lbs/ft, L-80	3.500 2.875	2.992 2.441	13.5 13.5		14.8 14.4	13.375 9.625	12.615 8.835	Casing String, 54.50 lbs/ft, K-55 Casing String, 40.00 lbs/ft, K-55
					735.5	13.375	12.615	Casing Shoe



Job Event Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
Rig Up Started	25-Feb-2006 4:00		
String Shot			
Descent 1: GUN/SAFE/CCLL			
Begin Descent	25-Feb-2006 7:10		
String Shot			
Log Pass (up)	25-Feb-2006 8:52	000:04	2304.1 – 2247.1 PERFO_007LUP
String Shot: Correlation Log			
Log Pass (up)	25-Feb-2006 9:01	000:04	2304.6 – 2292.1 PERFO_008LUP
String Shot: Log up before Shooting			
Log Pass (up)	25-Feb-2006 9:11	000:08	2292.1 – 2234.2 PERFO_010LUP
String Shot: Log up after Shooting			

Rig Down Completed 25-Feb-2006 11:00
String Shot
Rig Up Started 26-Feb-2006 18:30
Tubing Puncher

Descent 2: GUN/CCLL

Begin Descent 26-Feb-2006 19:30
Tubing Puncher
Log Pass (up) 26-Feb-2006 20:12 000:03 1749.4 - 1714.7 PERFO_012LUP
Tubing Puncher: Correlation Log
Log Pass (up) 26-Feb-2006 20:18 000:07 1750.0 - 1713.0 PERFO_014LUP
Tubing Puncher: Shooting Log
Rig Down Completed 26-Feb-2006 21:30
Tubing Puncher
Rig Up Started 27-Feb-2006 3:40
Chemical Cutter

Descent 3: GUN/CCLL

Begin Descent 27-Feb-2006 4:10
Chemical Cutter
Log Pass (up) 27-Feb-2006 5:00 000:03 2315.9 - 2268.3 PERFO_021LUP
Chemical Cutter: Correlation Log
Log Pass (up) 27-Feb-2006 5:05 000:13 2310.2 - 2247.9 PERFO_022LUP
Chemical Cutter: Shooting Log
Rig Down Completed 27-Feb-2006 9:00
Chemical Cutter

Schlumberger

Chemical Cutter Operational Summary Listing

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
GUN1	Used	2295.0	2295.0	Mon Feb 27 05:09:44 2006

Schlumberger

Chemical Cutter Shoot Log

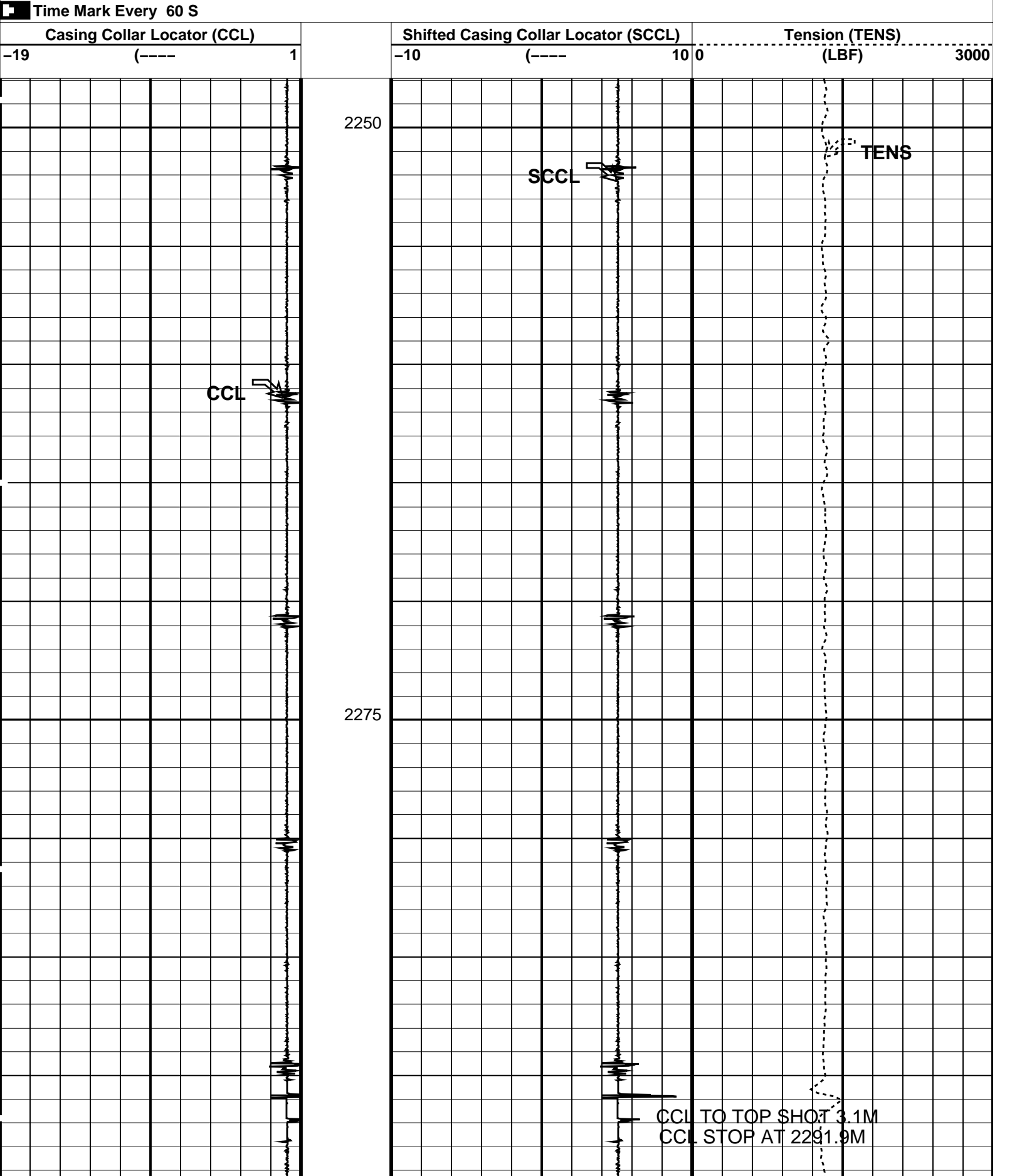
MAXIS Field Log

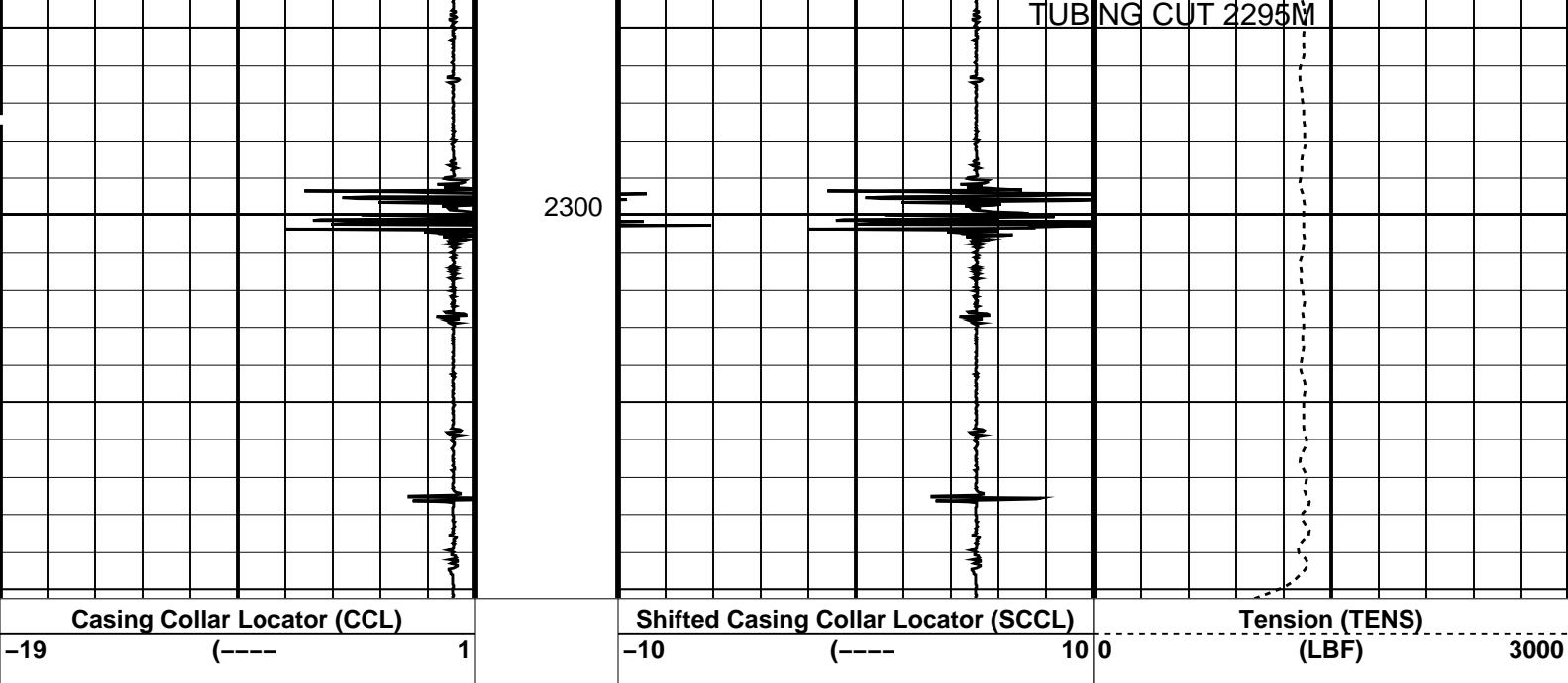
Output DLIS Files

OP System Version: 13C0-300
MCM

SHM_GUN PTC-2789-NUCL CCL-L 13C0-300

PIP SUMMARY






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: CCLLog Vertical Scale: 1:200		Graphics File Created: 27-Feb-2006 05:05

OP System Version: 13C0-300			
MCM			
SHM_GUN	PTC-2789-NUCL	CCL-L	13C0-300

Output DLIS Files			
DEFAULT	PERFO_022LUP	FN:21 PRODUCER	27-Feb-2006 05:05



Chemical Cutter
Correlation Log

MAXIS Field Log

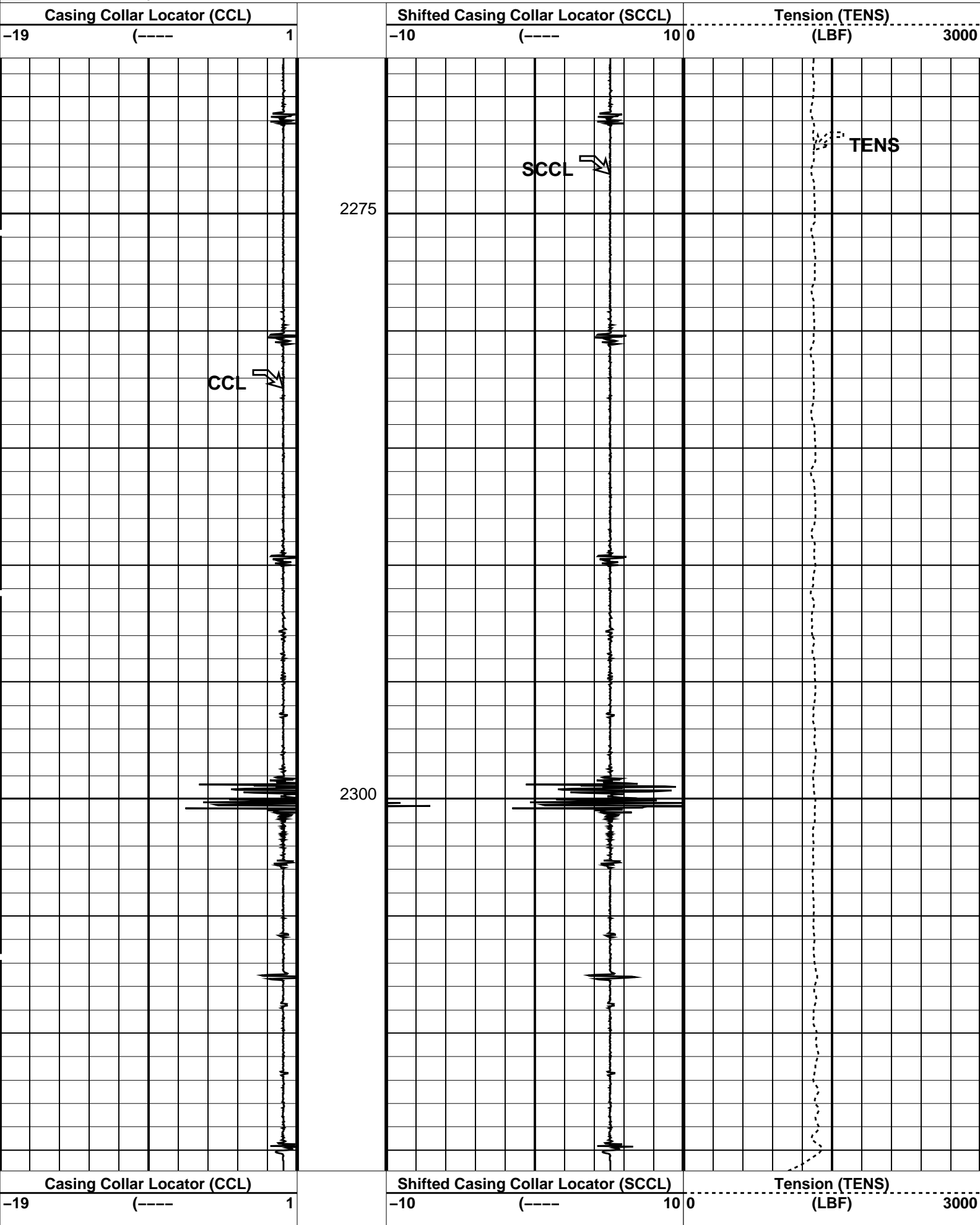
Company: Esso Australia Pty. Well: A7

Output DLIS Files					
DEFAULT	PERFO_021LUP	FN:20	PRODUCER	27-Feb-2006 05:00	2315.9 M 2268.3 M

OP System Version: 13C0-300			
MCM			
SHM_GUN	PTC-2789-NUCL	CCL-L	13C0-300

PIP SUMMARY

Time Mark Every 60 S



PIP SUMMARY

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: CCLLog	Vertical Scale: 1:200	Graphics File Created: 27-Feb-2006 05:00	

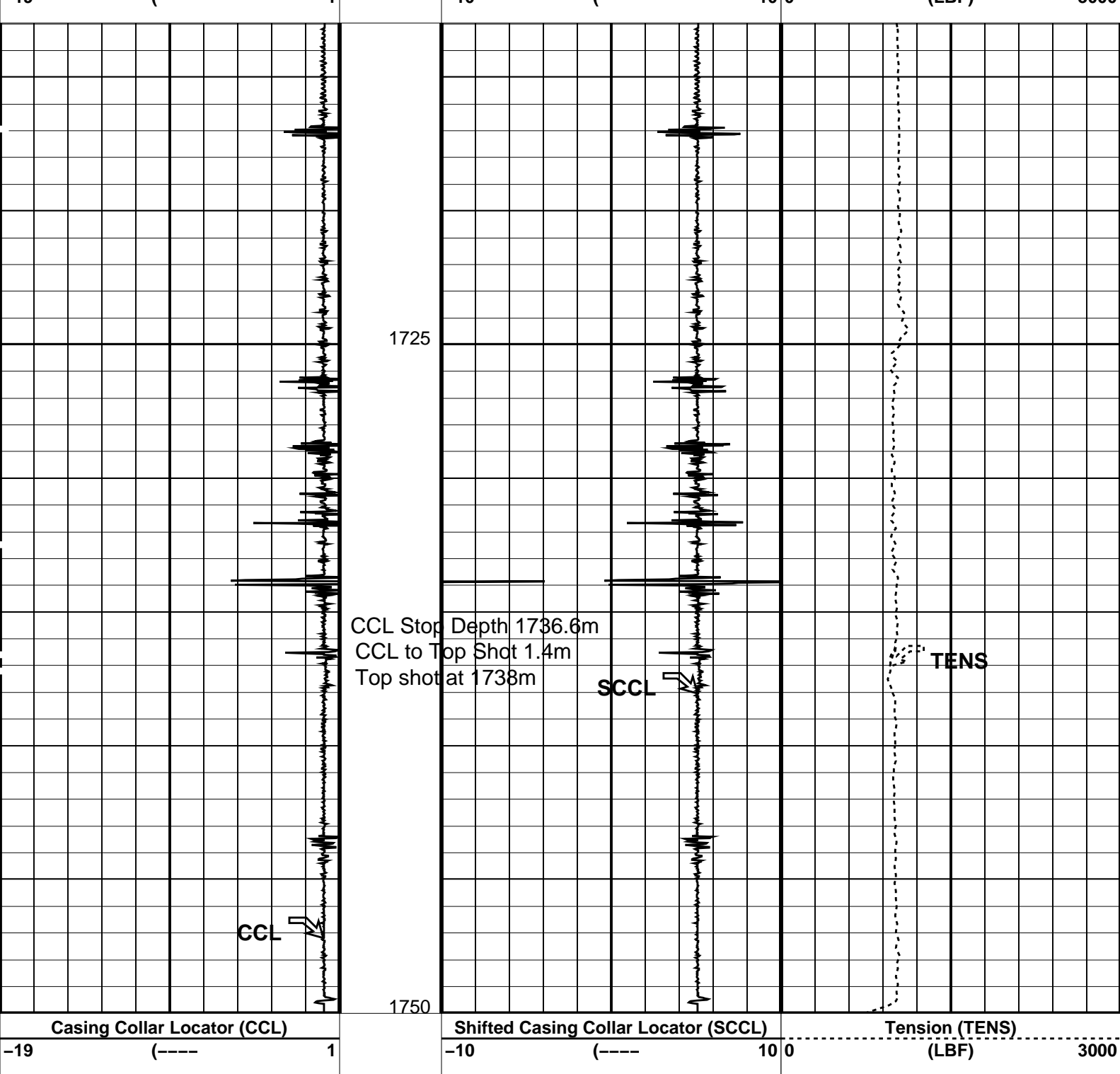
OP System Version: 13C0-300			
MCM			
SHM_GUN	PTC-2789-NUCL	CCL-L	13C0-300
Output DLIS Files			
DEFAULT	PERFO_021LUP	FN:20	PRODUCER 27-Feb-2006 05:00

<div> <div>Schlumberger</div> <div> <div>Tubing Puncher</div> <div>Operational Summary Listing</div> </div> </div> <div>MAXIS Field Log</div>			
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PERFO2 Operational Summary Listing				
Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
GUN1	Used	1738.0	1738.0	Sun Feb 26 20:21:42 2006

<div> <div>Schlumberger</div> <div> <div>Tubing Puncher</div> <div>Shoot Log</div> </div> </div> <div>MAXIS Field Log</div>			
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Company: Esso Australia Pty.			Well: A7
Output DLIS Files			
DEFAULT	PERFO_014LUP	FN:13	PRODUCER 26-Feb-2006 20:18 1750.0 M 1713.0 M
OP System Version: 13C0-300			
MCM			
SHM_GUN	PTC-2789-NUCL	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 (I BE) 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: CCLLog Vertical Scale: 1:200 Graphics File Created: 26-Feb-2006 20:18

OP System Version: 13C0-300

MCM

SHM_GUN PTC-2789-NUCL CCL-L 13C0-300

Output DLIS Files

DEFAULT REFNO 0141UP EN-12 PRODUCED 26 Feb 2006 20:18

Schlumberger

Tubing Puncher
Correlation Log

MAXIS Field Log

Company: Esso Australia Pty.

Well: A7

Output DLIS Files

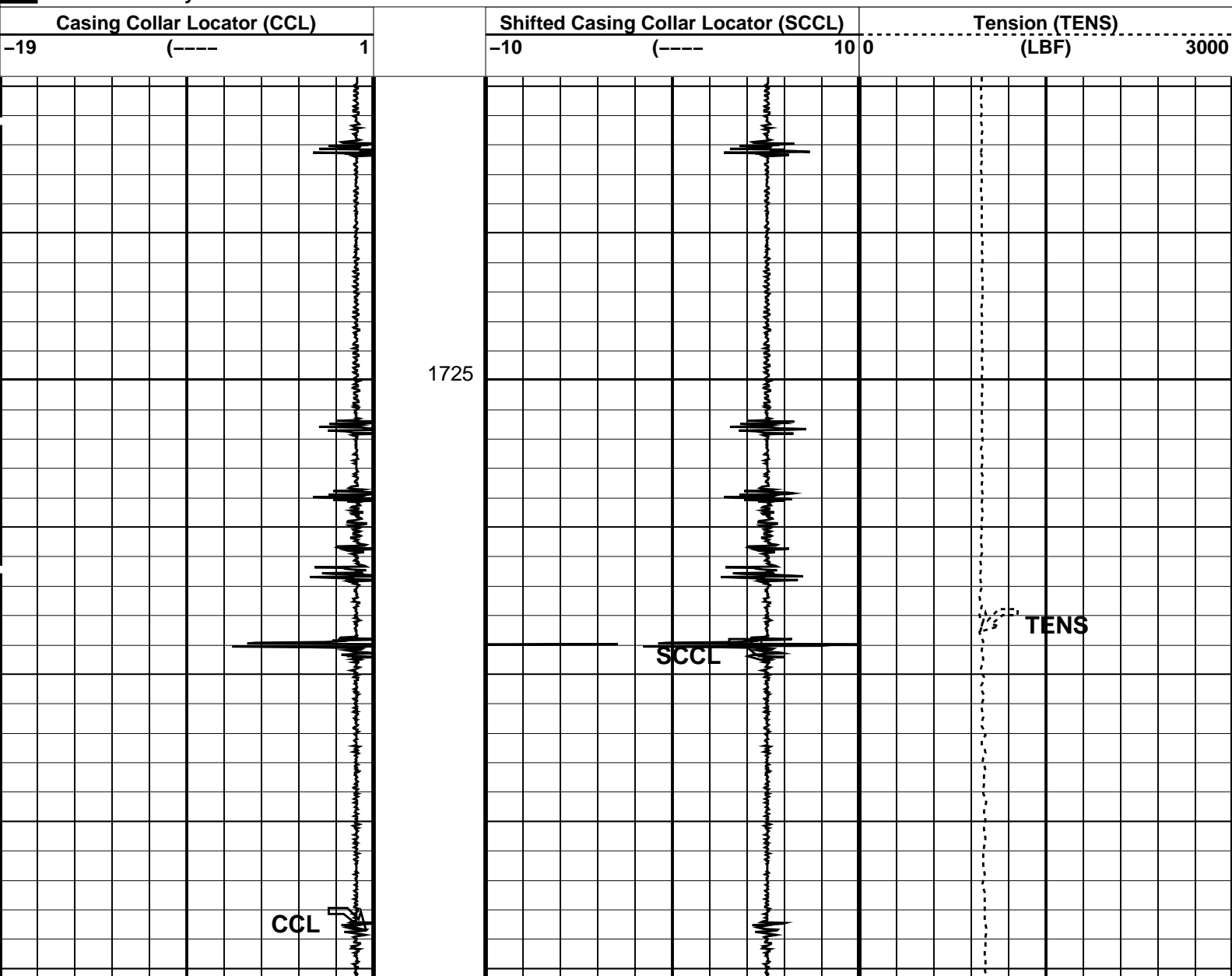
DEFAULT PERFO_012LUP FN:11 PRODUCER 26-Feb-2006 20:12 1749.4 M 1714.7 M

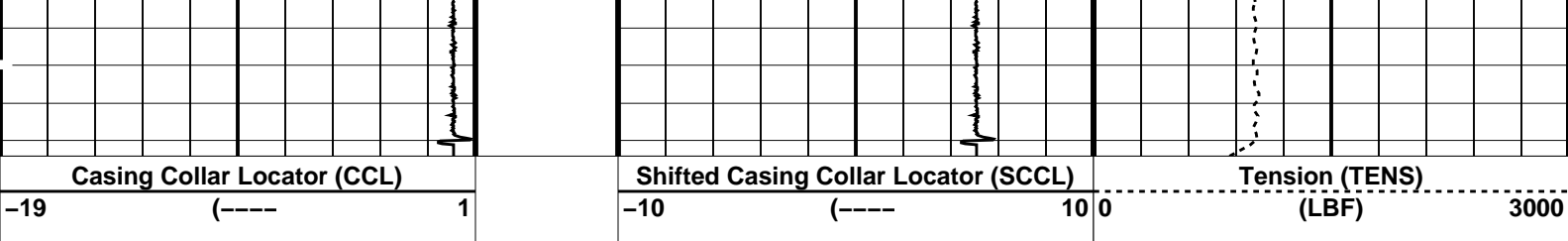
OP System Version: 13C0-300
MCM

SHM_GUN PTC-2789-NUCL 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

Format: CCLLog Vertical Scale: 1:200 Graphics File Created: 26-Feb-2006 20:12

OP System Version: 13C0-300			
MCM			
SHM_GUN	PTC-2789-NUCL	CCL-L	13C0-300

Output DLIS Files			
DEFAULT	PERFO_012LUP	FN:11	PRODUCER 26-Feb-2006 20:12




String Shot
Operational Summary Listing

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
GUN1	Used	2295.0	2295.0	Sat Feb 25 09:12:04 2006



String Shot
After Shoot Log

MAXIS Field Log

Output DLIS Files

DEFAULT	PERFO_010LUP	FN:17	PRODUCER	25-Feb-2006 09:11	2292.1 M	2234.3 M
CLIENT	PERFO_010LUC	FN:18	CUSTOMER	25-Feb-2006 09:11	2292.1 M	2234.3 M

OP System Version: 13C0-300

MCM

SHM_GUN PTC-2789-NUCL
CCL-L 13C0-300

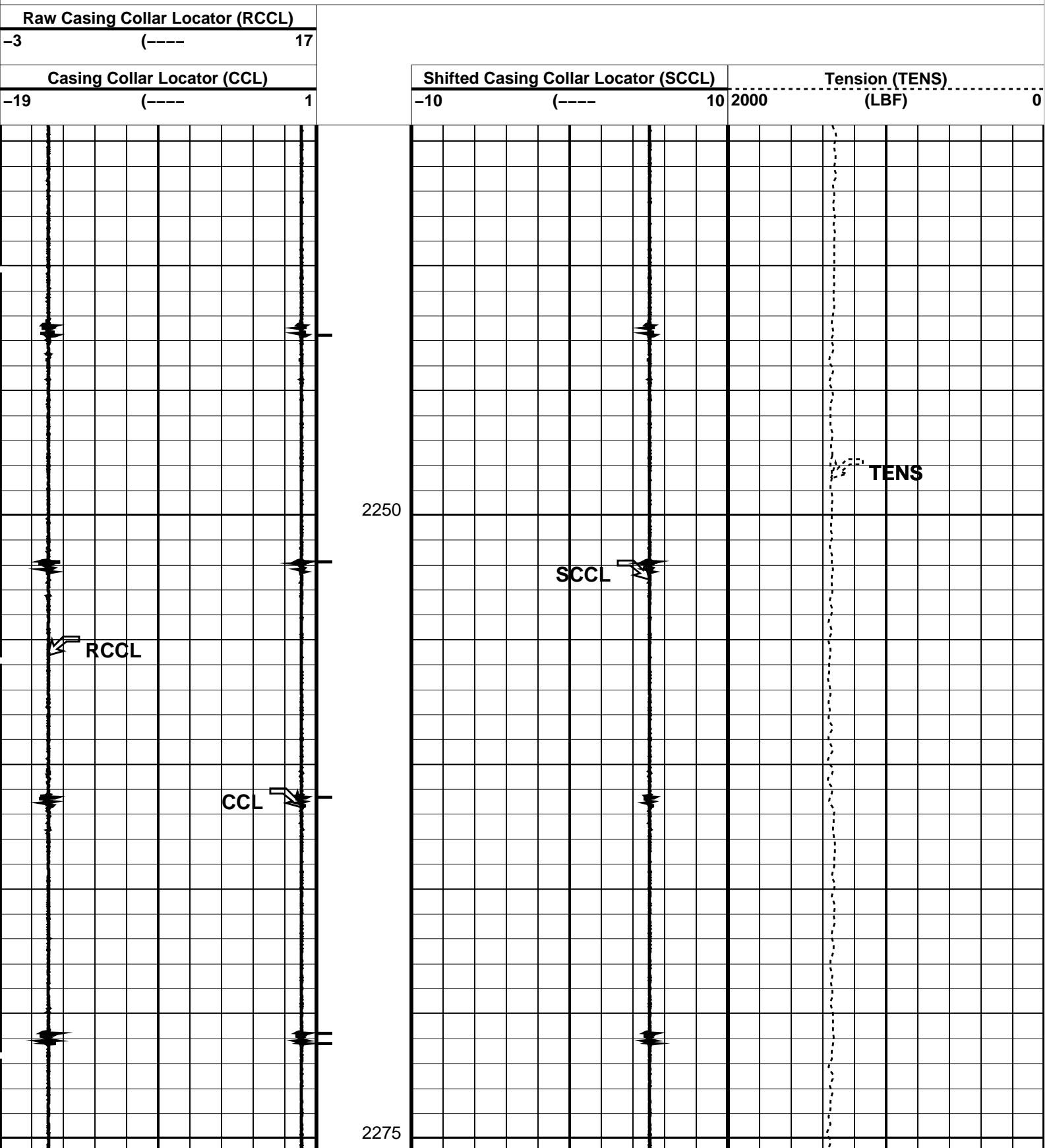
SAFE

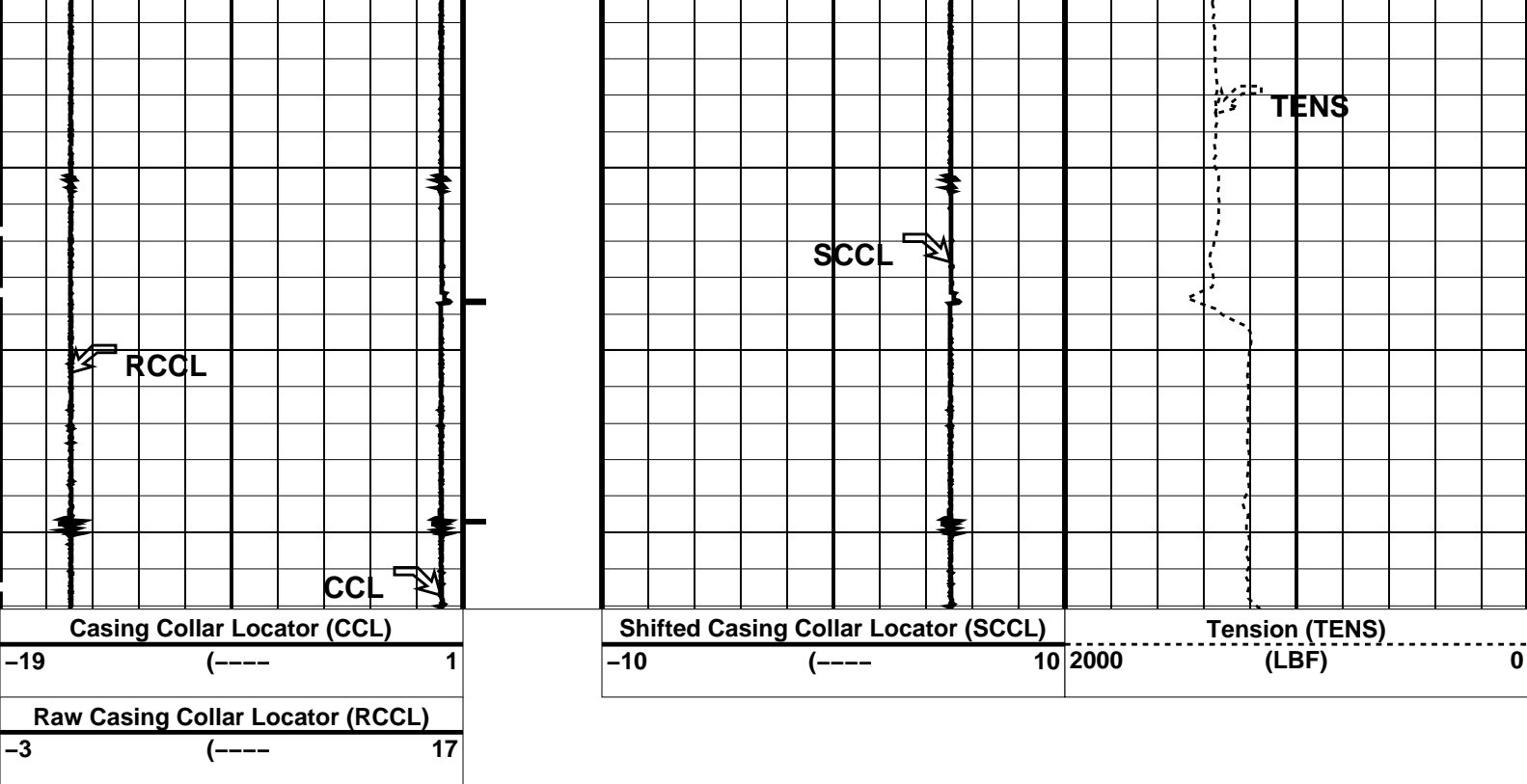
PTC-2789-NUCL

PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S


Casing Collars

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: 25-Feb-2006 09:11

OP System Version: 13C0-300			
MCM			
SHM_GUN	PTC-2789-NUCL	SAFE	PTC-2789-NUCL
CCL-L	13C0-300		

Output DLIS Files			
DEFAULT	PERFO_010LUP	FN:17	PRODUCER 25-Feb-2006 09:11
CLIENT	PERFO_010LUC	FN:18	CUSTOMER 25-Feb-2006 09:11

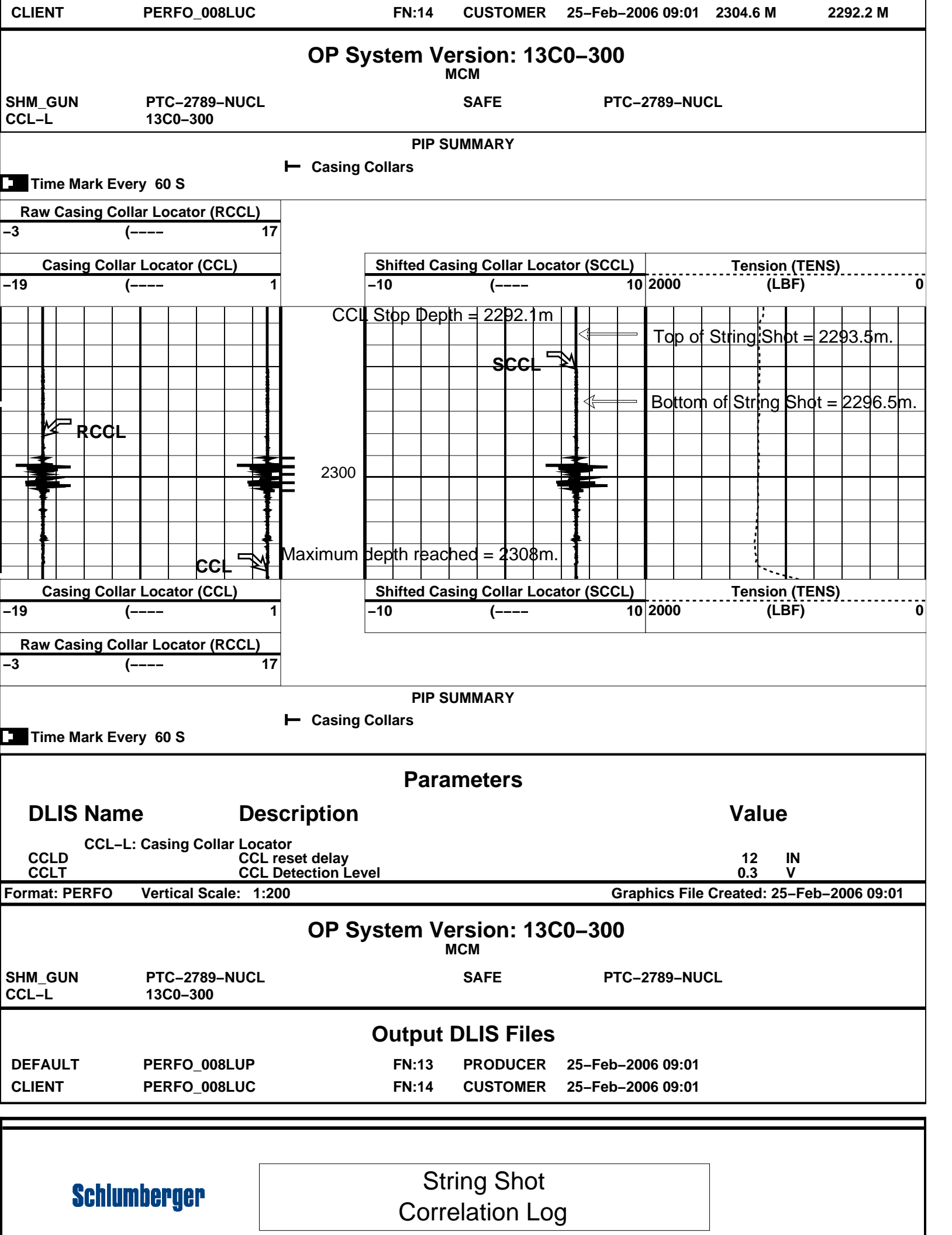


String Shot
Before Shoot Log

MAXIS Field Log

Company: Esso Well: A7

Output DLIS Files					
DEFAULT	PERFO_008LUP	FN:13	PRODUCER	25-Feb-2006 09:01	2304.6 M 2292.2 M



Company: Esso

Well: A7

Output DLIS Files

DEFAULT

PERFO_007LUP

FN:11

PRODUCER

25-Feb-2006 08:52

CLIENT

PERFO_007LUC

FN:12

CUSTOMER

25-Feb-2006 08:52

OP System Version: 13C0-300

MCM

SHM_GUN

PTC-2789-NUCL

SAFE

PTC-2789-NUCL

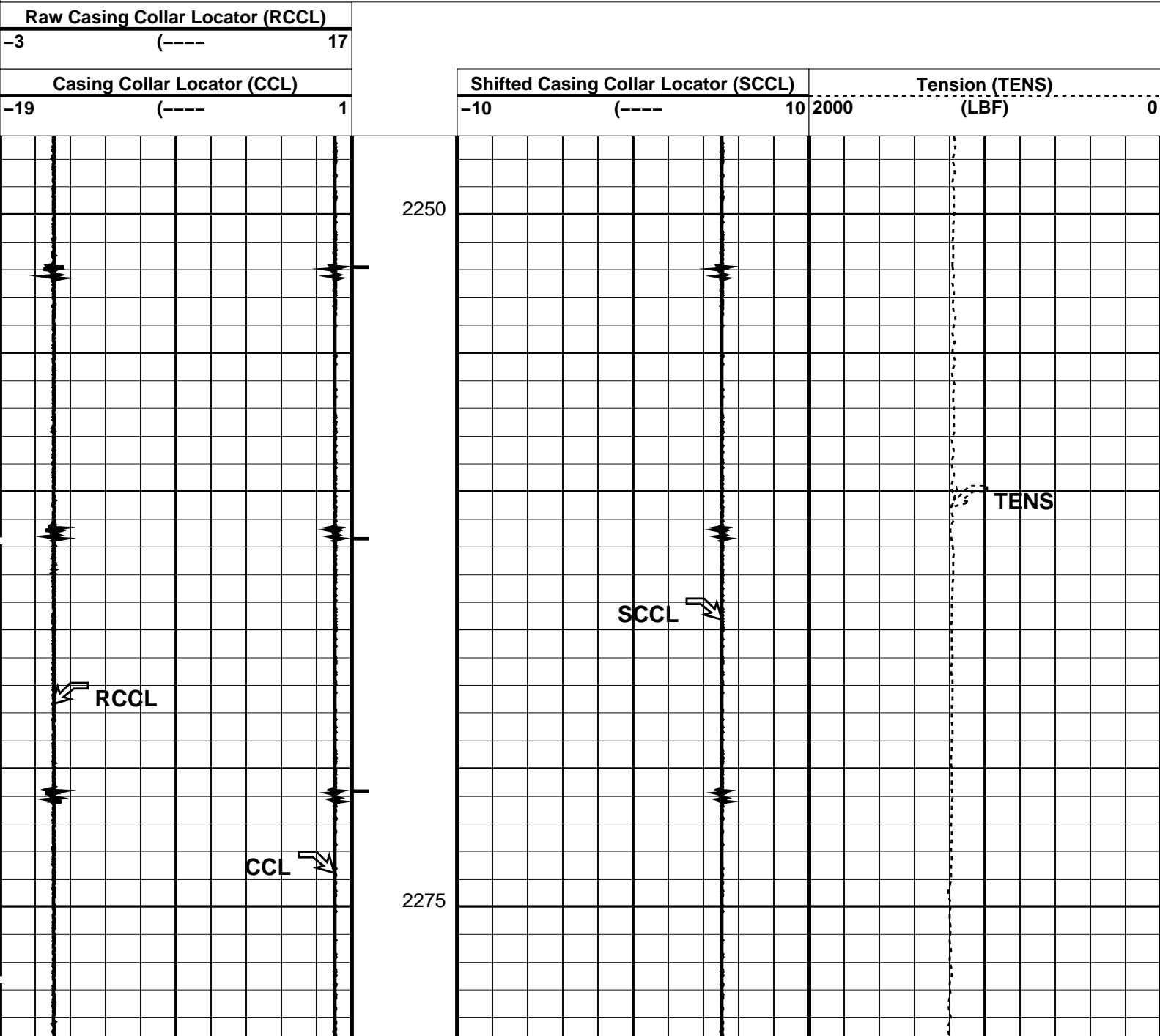
CCL-L

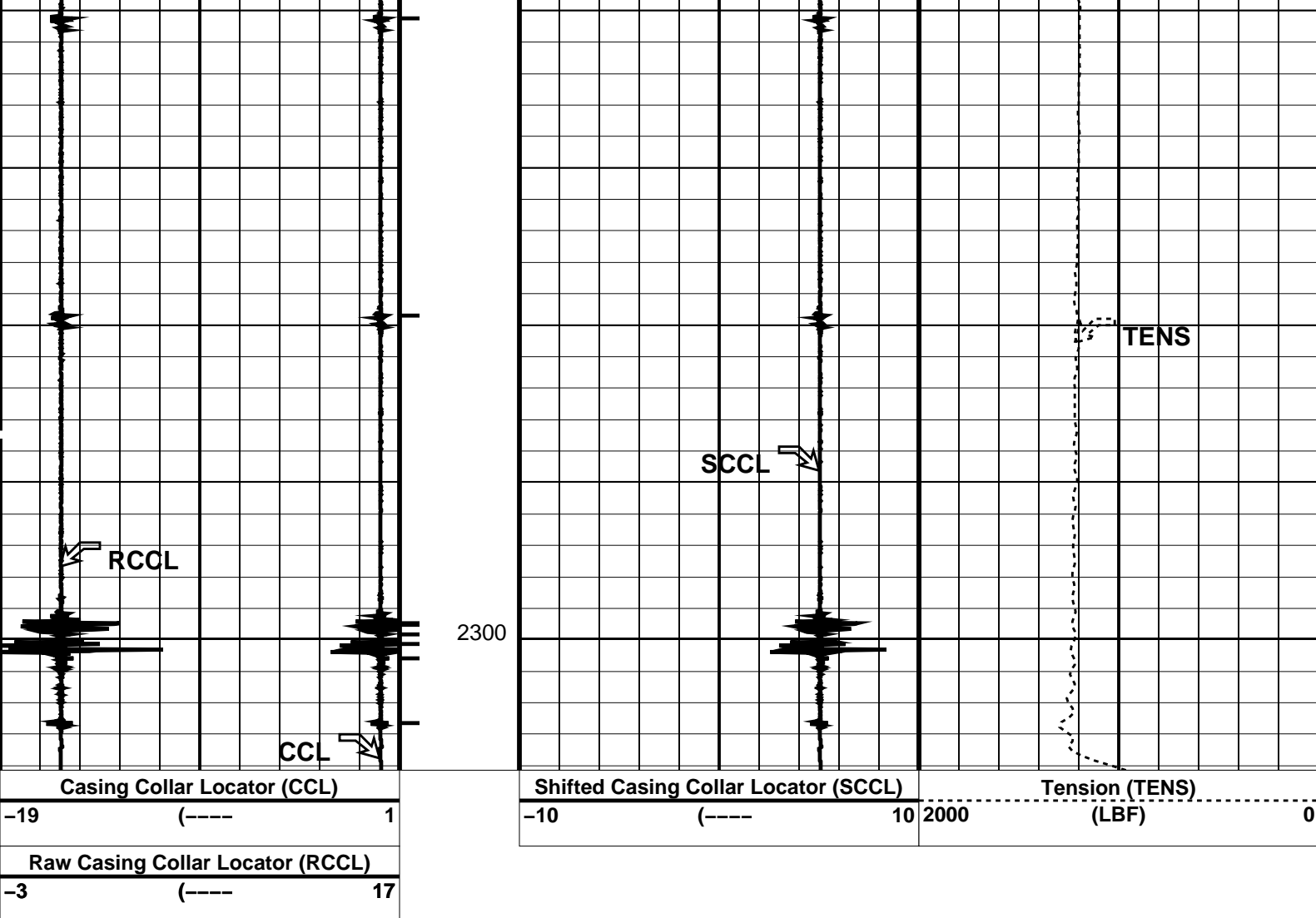
13C0-300

PIP SUMMARY

└─ Casing Collars

 Time Mark Every 60 S





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 Vertical Scale: 1:200

Graphics File Created: 25-Feb-2006 08:52

OP System Version: 13C0-300

MCM

SHM_GUN	PTC-2789-NUCL	SAFE	PTC-2789-NUCL
CCL-L	13C0-300		

Output DLIS Files

DEFAULT	PERFO_007LUP	FN:11	PRODUCER	25-Feb-2006 08:52
CLIENT	PERFO_007LUC	FN:12	CUSTOMER	25-Feb-2006 08:52

Company: Esso Australia Pty.

Schlumberger

Well: A7
Field: Tuna
Rig: Prod 2 / Rig 22
Country: Australia

Country: **Australia**

1-11/16" Tubing Puncher

2-1/8" Chemical Cutter

26-Feb-2006