

Company: Esso Australia Pty.

Well: A7

Field: Tuna

Rig: Prod 2 / Rig 22

Country: Australia

Tubing Jet Cutters
1-Mar-2006
MAXIS Operating System

LOCATION		Elev.:	K.B. 32.1 m
Gippsland			G.L. -59 m
Basin			D.F. 32.1 m
Bass Strait			
Permanent Datum:	Mean Sea Level	Elev.:	0 m
Log Measured From:	Kelly Bushing	32.1 m	above Perm. Datum
Drilling Measured From:	Kelly Bushing		
State: Victoria	Max. Well Deviation 57 deg	Longitude 148°25' 05.29"E	Latitude 38°10' 16.00"S

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

Logging Date	1-Mar-2006		
Run Number	4,5,6		
Depth Driller	2783 m		
Schlumberger Depth	not tagged		
Bottom Log Interval	2277.8 m		
Top Log Interval	1727.5 m		
Casing Fluid Type	Sea Water		
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	8.500 in		
From	735 m		
To	1897 m		
Casing/Tubing Size	3.500 in		
Weight	9.3 lbm/ft		
Grade	L-80		
From	13.5 m		
To	2179.96 m		
Maximum Recorded Temperatures			
Logger On Bottom	1-Mar-2006		16:32
Unit Number	3827	AUSL	
Recorded By	G. Fraser, O. Tahmiscic		
Witnessed By	Jimmy Dean, Donald Broomfield		

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				57 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						

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

Logging Cable

Type:	2-32ZT
Serial Number:	4202
Length:	6722.97 M
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:	dd-Mmm-yyyy
Subsequent Trip Down Log Correction:	-5.79 M

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.

OTHER SERVICES2
OS1:
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 2

1. Cut 0.5m above dual packer in the short string (1728.5m)
2. Cut 21.7m above sliding sleeve in the long string (2277.8m)
3. Cut 1.5m above dual packer in the long string (1727.5m)

All joints cut succesfully cut. Please refer to logs for CCL stop depths.

When cutting the long string below the dual packer, Schlumberger	
unit shut down abruptly, thus there are two seperate logs for the	
shooting pass.	
Tool string as per enclosed sketch.	
Well sketch as per Completions Program (21–Aug–1994)	
All procedures carried out according to Schlumberger's SOP.	
Schlumberger crew: S. McGee, D. Watts, R. Murray, N. Simmons	
Performed by Schlumberger.	

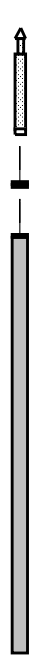
RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT
WITM (SHM)–TMD 415

DOWNHOLE EQUIPMENT

MH–SWHS–A
MH–SWHS–A 754



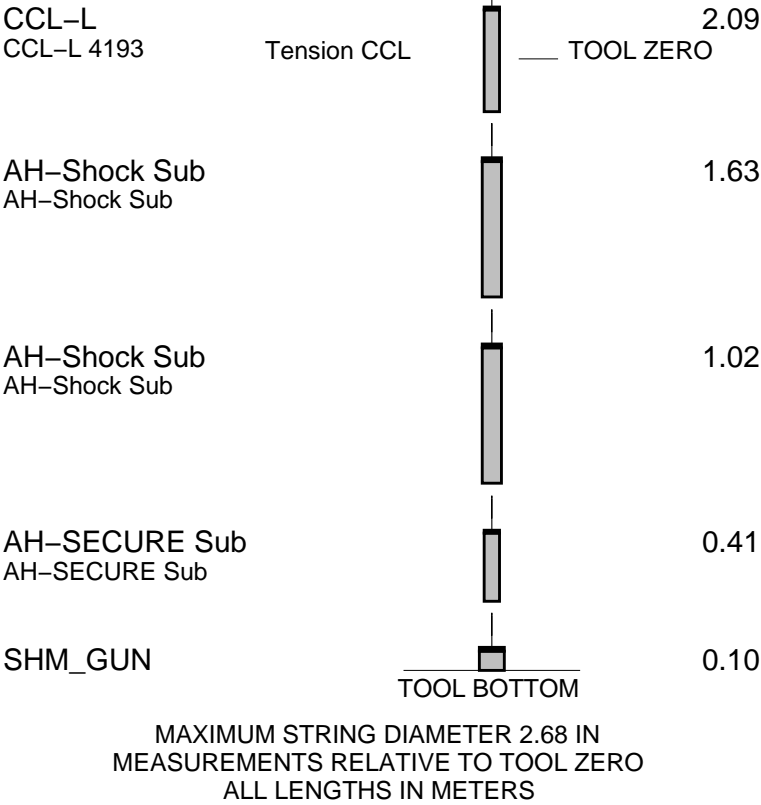
4.43

AH–38

3.95

EQF–43
EQF–43 281

3.92



Client: Esso Australia Pty.

Drawing Date: 2/26/2006

Well: A7

Rig Name: Rig 22

Field: Tuna

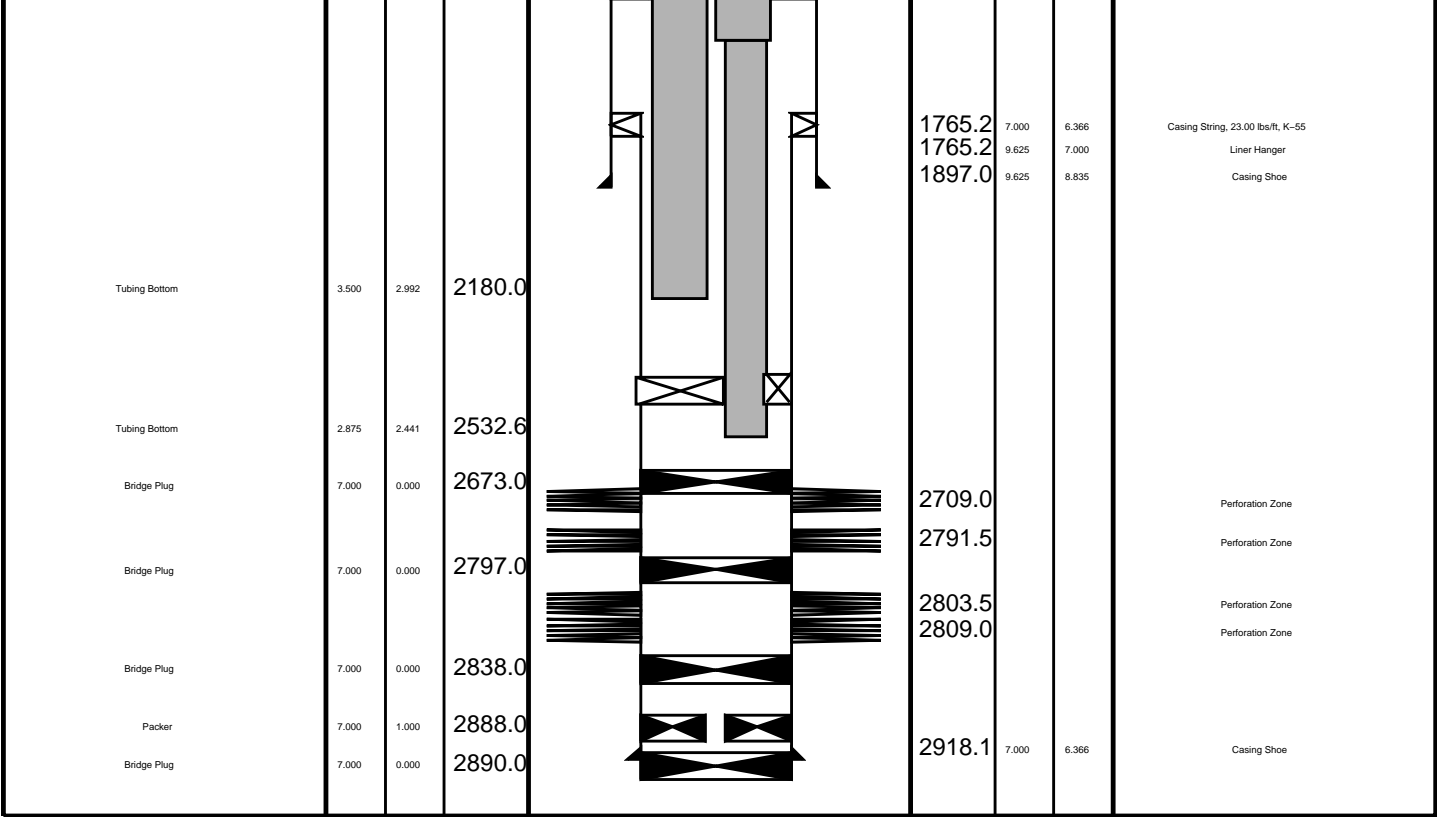
Reference Datum: Kelly Bushing

State: Victoria

Elevation: 32.1 m

Country: Australia

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 Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File		
Rig Up Started 28-Feb-2006 18:00					
Jet Cutter – Short string above dual packer					
Descent 1: GUN/CCLL					
Begin Descent 28-Feb-2006 18:30					
Jet Cutter – Short string above dual packer					
Log Pass (up)	28-Feb-2006 20:20	000:03	1734.5 – 1695.0	PERFO_038LUP	
Jet Cutter (SS): Correlation log					
Log Pass (up)	28-Feb-2006 20:27	000:06	1735.2 – 1693.2	PERFO_039LUP	
Jet Cutter (SS): Shoot log					
Rig Down Completed 28-Feb-2006 22:30					
Jet Cutter – Short string above dual packer					

Rig Up Started 1-Mar-2006 6:35
Jet Cutter – Long String below dual packer

Descent 2: GUN/CCLL

Begin Descent 1-Mar-2006 6:55
Jet Cutter – Long String below dual packer
Log Pass (up) 1-Mar-2006 8:19 000:06 2290.0 – 2240.0 PERFO_047LUP
Jet Cutter (LS1): Correlation log
Log Pass (up) 1-Mar-2006 9:16 000:03 2271.1 – 2240.3 PERFO_049LUP
Jet Cutter (LS1): Shoot log
Rig Down Completed 1-Mar-2006 11:00
Jet Cutter – Long String below dual packer
Rig Up Started 1-Mar-2006 14:30
Jet Cutter – Long String above dual packer

Descent 3: GUN/CCLL

Begin Descent 1-Mar-2006 14:55
Jet Cutter – Long String above dual packer
Log Pass (up) 1-Mar-2006 16:07 000:04 1732.8 – 1701.5 PERFO_059LUP
Jet Cutter (LS2): Correlation log
Log Pass (up) 1-Mar-2006 16:15 000:06 1732.6 – 1700.8 PERFO_060LUP
Jet Cutter (LS2): Shoot log
Rig Down Completed 1-Mar-2006 17:30
Jet Cutter – Long String above dual packer

Schlumberger

3 1/2" Jet Cutter Long String Operational Summary Listing

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
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GUN1	Used	1727.5	1727.5	Wed Mar 01 16:17:55 2006
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Schlumberger

3 1/2" Jet Cutter Long String Shoot Log

MAXIS Field Log

Company: Esso Australia Pty.

Well: A7

Output DLIS Files

DEFAULT	PERFO_060LUP	FN:59	PRODUCER	01-Mar-2006 16:15	1732.6 M	1700.8 M
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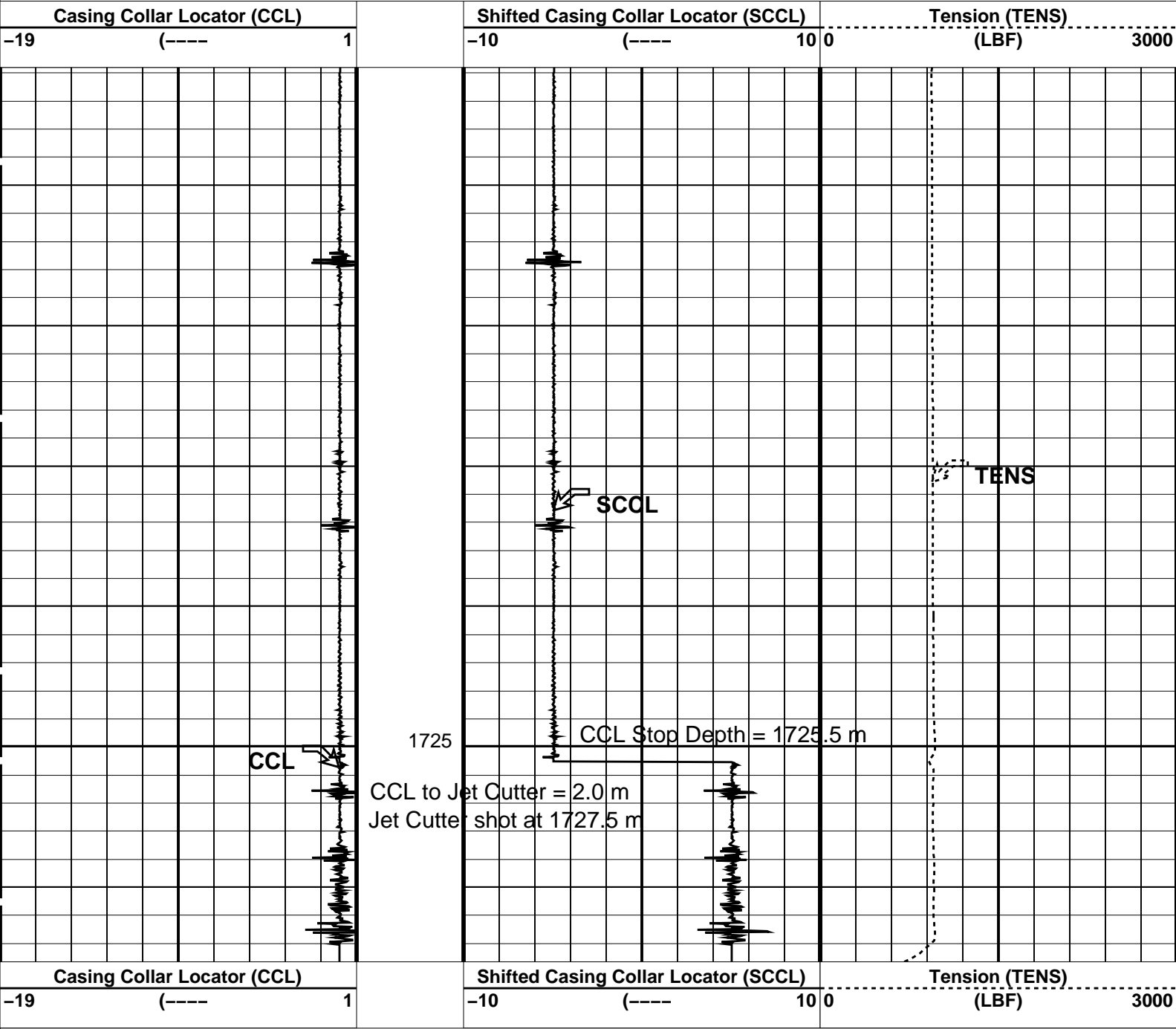
OP System Version: 13C0-300

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: 01-Mar-2006 16:15

OP System Version: 13C0-300

MCM

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

Output DLIS Files

DEFAULT

PERFO_060LUP

FN:59

PRODUCER

01-Mar-2006 16:15

Schlumberger

3 1/2" Jet Cutter Long String Correlation Log

MAXIS Field Log

Company: Esso Australia Pty.

Well: A7

Output DLIS Files

DEFAULT

PERFO_059LUP

FN:58

PRODUCER

01-Mar-2006 16:07

1732.8 M

1701.5 M

OP System Version: 13C0-300

MCM

SHM_GUN

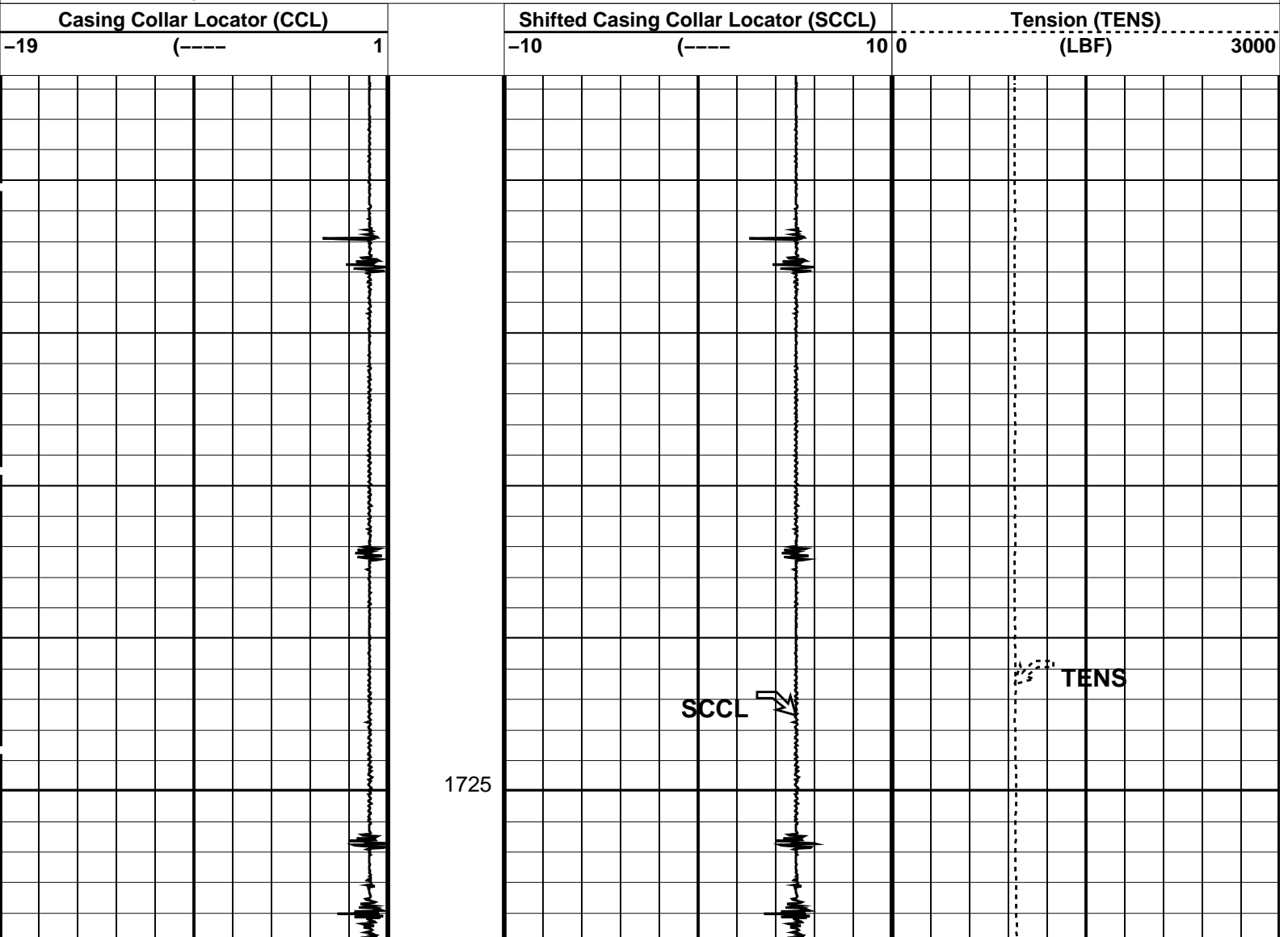
PTC-2789-NUCL

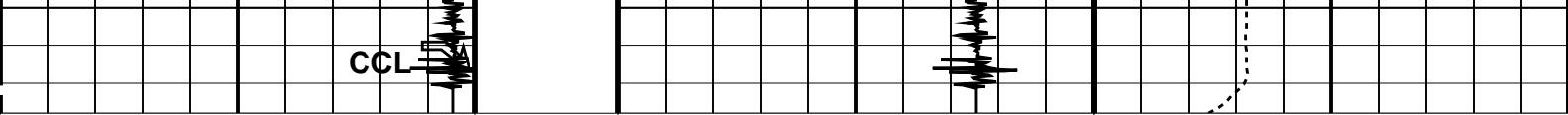
CCL-L

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										(LBF) 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: 01-Mar-2006 16:07

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

Output DLIS Files			
DEFAULT	PERFO_059LUP	FN:58	PRODUCER 01-Mar-2006 16:07

2 7/8" Jet Cutter Long String Operational Summary Listing

MAXIS Field Log

PERFO2 Operational Summary Listing				
Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
GUN1	Used	2277.8	2277.8	Wed Mar 01 8:42:54 2006

2 7/8" Jet Cutter Long String Shoot Log

MAXIS Field Log

Company: Esso Australia Pty. Well: A7

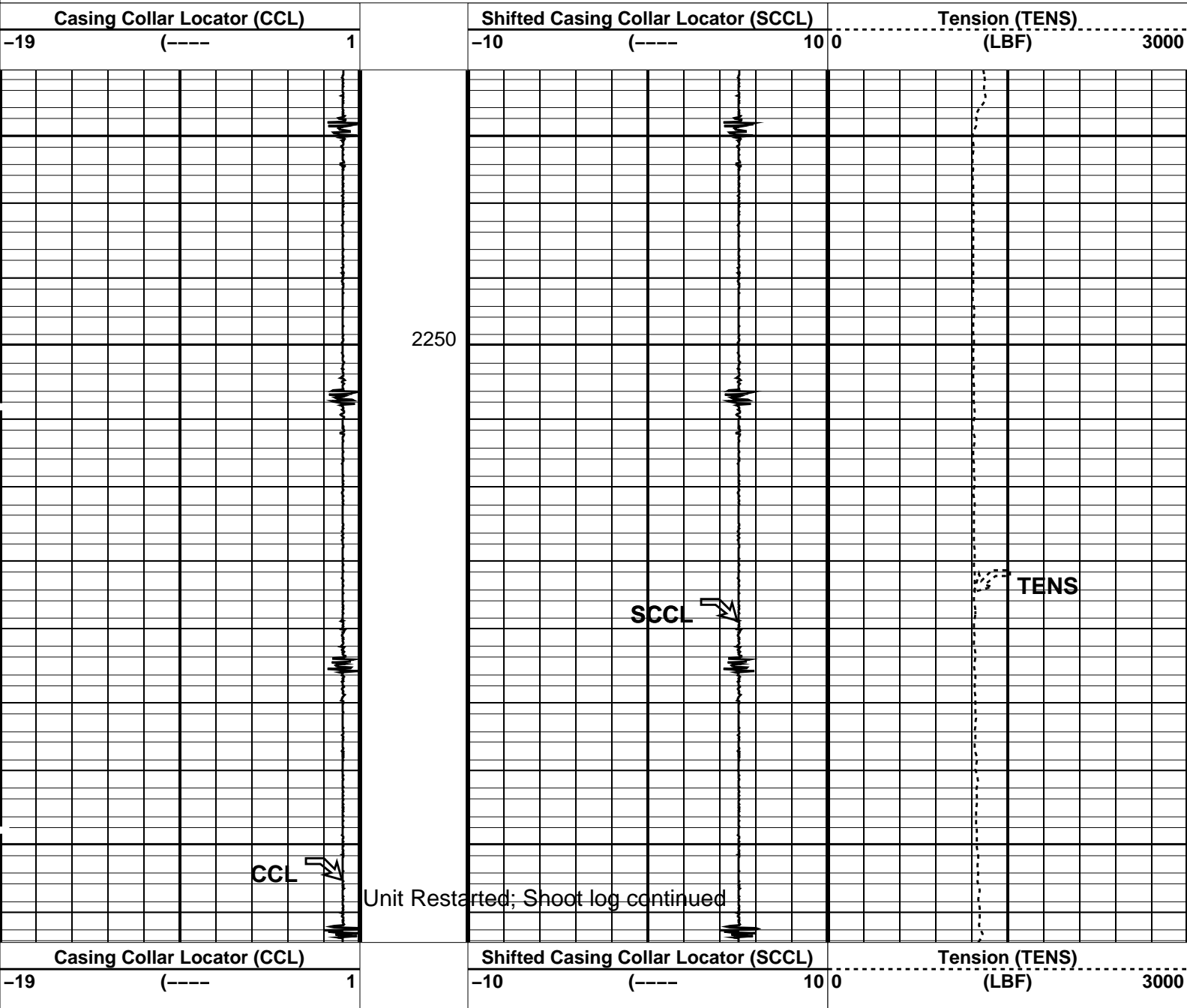
Output DLIS Files			
DEFAULT	PERFO_049LUP	FN:48	PRODUCER 01-Mar-2006 09:16 2271.1 M 2240.3 M

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

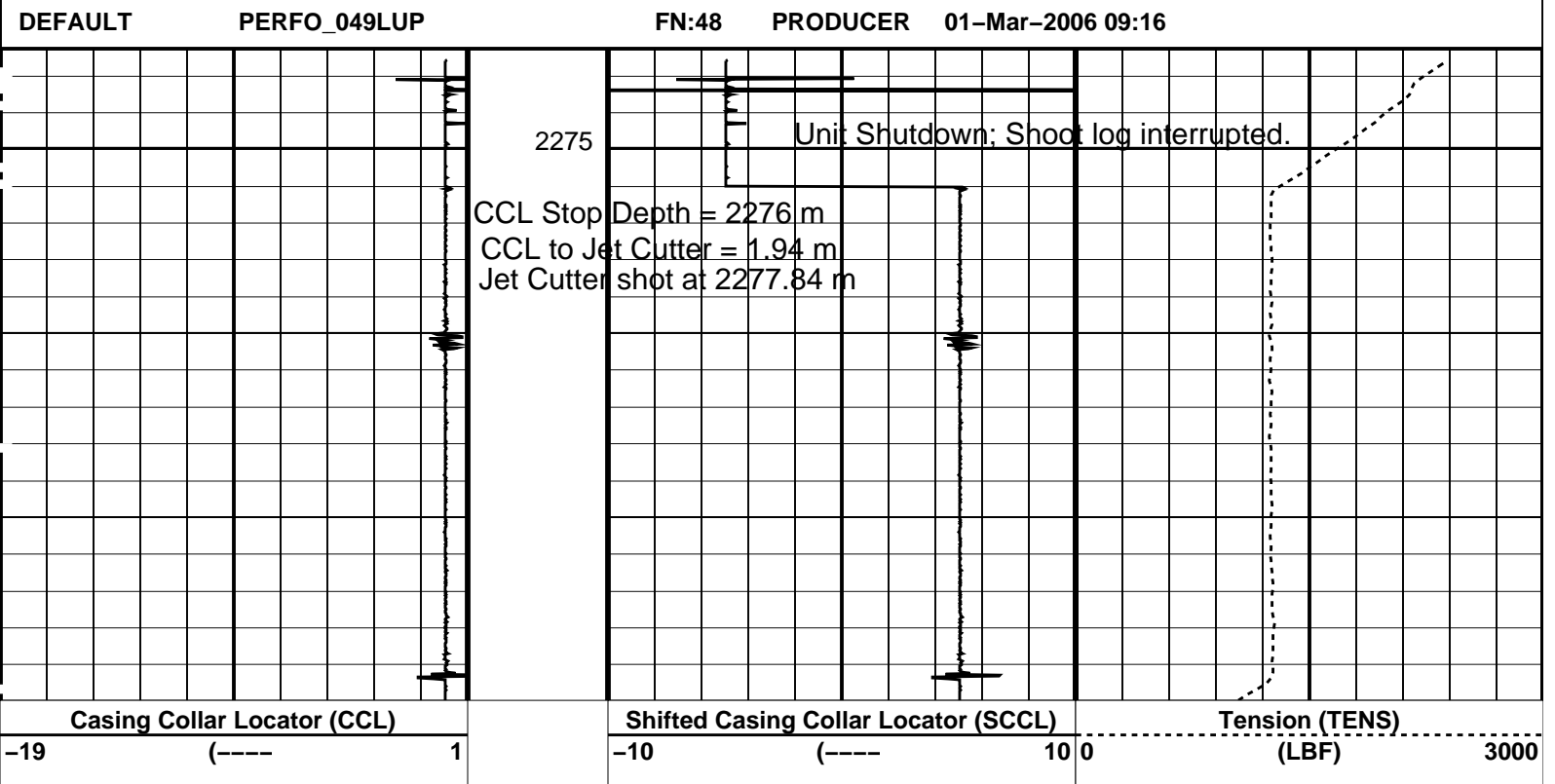
DLIS Name	Description	Value
CCL-L	Casing Collar Locator	
CCLD	CCL reset delay	12 IN
CCLT	CCL Detection Level	0.3 V

Format: CCLLog Vertical Scale: 1:200 Graphics File Created: 01-Mar-2006 09:16

OP System Version: 13C0-300
MCM

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

Output DLIS Files



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: 01-Mar-2006 08:32

OP System Version: 13C0-300
MCM

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

Output DLIS Files

DEFAULT PERFO_048LUP FN:47 PRODUCER 01-Mar-2006 08:32

Schlumberger

2 7/8" Jet Cutter Long String
Correlation Log

MAXIS Field Log

Company: Esso Australia Pty. Well: A7

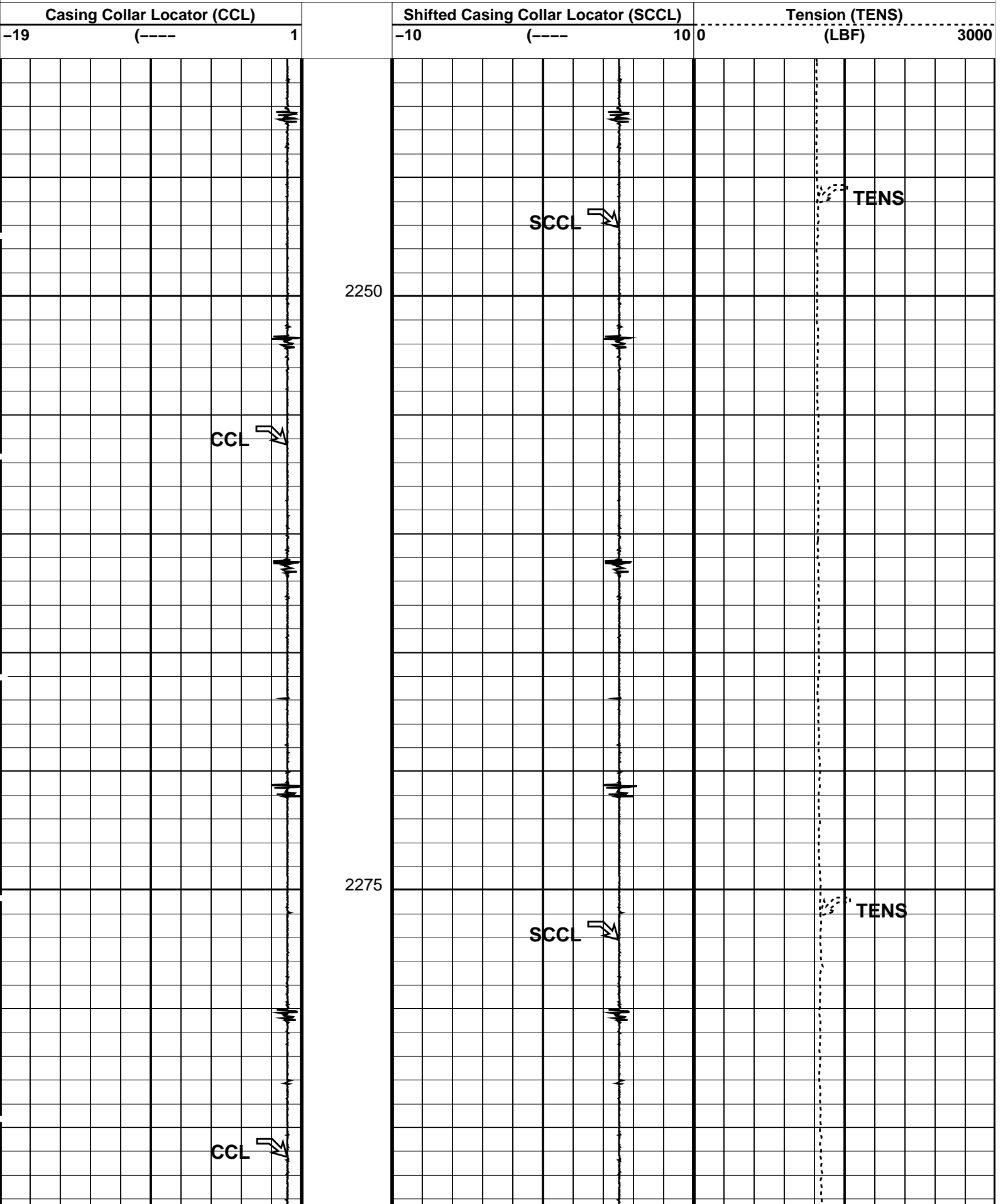
Output DLIS Files

DEFAULT PERFO_047LUP FN:46 PRODUCER 01-Mar-2006 08:19 2290.0 M 2240.0 M

OP System Version: 13C0-300

PIP SUMMARY

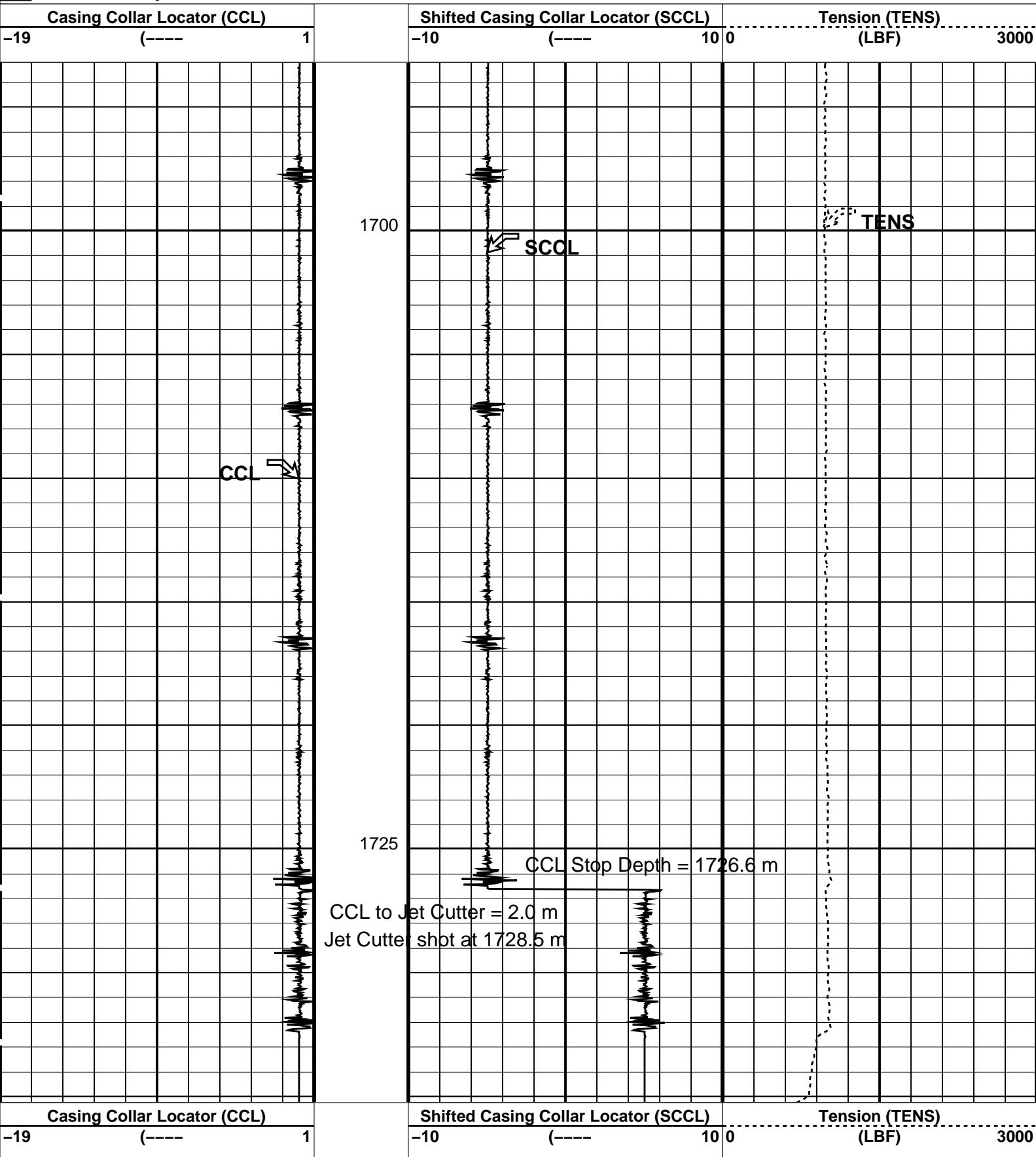
Time Mark Every 60 S



OB System Version: 13C0_300

PIP SUMMARY

Time Mark Every 60 S



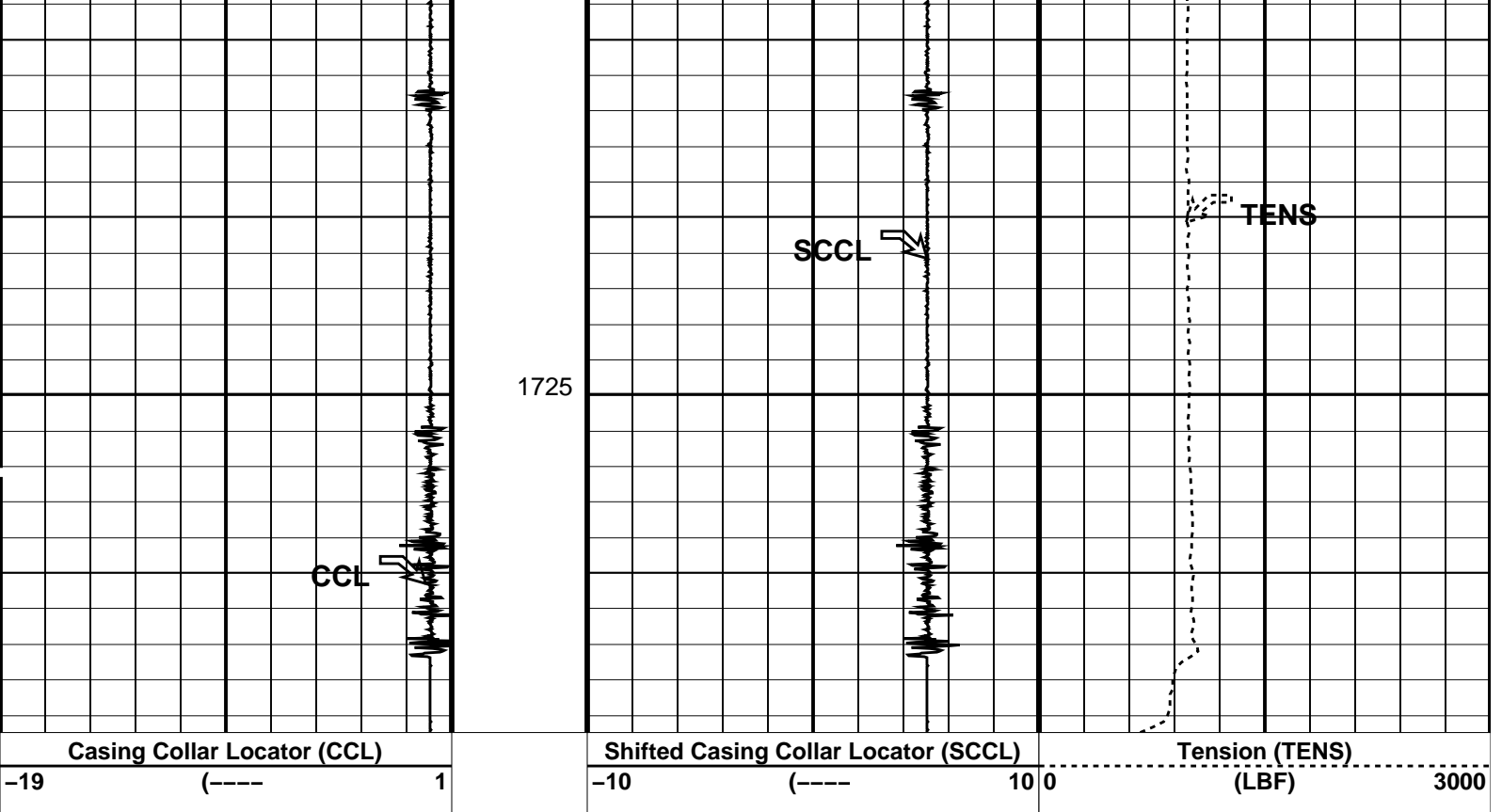
PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name		Description		Value	
CCLD	CCL-L: Casing Collar Locator	CCL reset delay		12	IN
CCLT		CCL Detection Level		0.3	V
Format: CCLLog		Vertical Scale: 1:200	Graphics File Created: 28-Feb-2006 20:27		
OP System Version: 13C0-300					
MCM					
SHM_GUN	PTC-2789-NUCL	CCL-L	13C0-300		
Output DLIS Files					
DEFAULT	PERFO_039LUP	FN:38	PRODUCER	28-Feb-2006 20:27	

Company: Esso Australia Pty.						Well: A7	
Output DLIS Files							
DEFAULT	PERFO_038LUP	FN:37	PRODUCER	28-Feb-2006 20:20	1734.5 M	1695.0 M	
OP System Version: 13C0-300							
MCM							
SHM_GUN	PTC-2789-NUCL	CCL-L		13C0-300			



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: 28-Feb-2006 20:20

OP System Version: 13C0-300

MCM

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

Output DLIS Files

DEFAULT PERFO_038LUP FN:37 PRODUCER 28-Feb-2006 20:20

Company: **Esso Australia Pty.**

Schlumberger

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

Tubing Jet Cutters
 1-Mar-2006
 MAXIS Operating System