

<div><div>Schlumberger</div><div>Company: Ezzo Australia Ltd.</div><div>Well: TNA A-17a</div><div>Field: Tuna</div><div>Rig: Prod 2 / Crane</div><div>Country: Australia</div></div>									
<div><div>GR-CCL</div><div>Owen Patch</div><div>Setting Record</div></div>									
LOCATION									
Gippsland			Elev.: K.B. 32.1 m						
Basin			G.L. -59 m						
Bass Strait			D.F. 32.1 m						
Permanent Datum:			Mean Sea Level						
Log Measured From:			Kelly Bushing				32.1 m above Perm. Datum		
Drilling Measured From:			Kelly Bushing						
State: Victoria		Max. Well Deviation 64 deg		Longitude 148°25' 05.29"E		Latitude 38°10' 16.00"S			
Logging Date		2-Feb-2006							
Run Number		1							
Depth Driller		3402 m							
Schlumberger Depth		3400 m							
Bottom Log Interval		3390 m							
Top Log Interval		2300 m							
Casing Fluid Type		Production Fluids							
Salinity									
Density		1 g/cm3							
Fluid Level									
BIT/CASING/TUBING STRING									
Bit Size		6,000 in							
From		2796.5 m							
To		3480 m							
Casing/Tubing Size		4,500 in							
Weight		12.6 lbm/ft							
Grade		80							
From		2767 m							
To		3414.38 m							
Maximum Recorded Temperatures		107 degC							
Logger On Bottom		2-Feb-2006		13.27					
Unit Number		Location		3827		Tuna			
Recorded By		Joel Hogan							
Witnessed By		Jimmy Dean, Donald Broomfield							

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<div>Prod 2 / Crane</div>			<div>LOCATION</div>			<div>Elev.: K.B. 32.1 m</div>			
<div>Tuna</div>			<div>Gippsland</div>			<div>G.L. -59 m</div>			
<div>Gippsland</div>			<div>Basin</div>			<div>D.F. 32.1 m</div>			
<div>Bass Strait</div>			<div>Permanent Datum:</div>			<div>Elev.: 0 m</div>			
<div>Log Measured From:</div>			<div>Mean Sea Level</div>			<div>32.1 m above Perm. Datum</div>			
<div>Drilling Measured From:</div>			<div>Kelly Bushing</div>			<div>Kelly Bushing</div>			
<div>State: Victoria</div>			<div>Max. Well Deviation 64 deg</div>			<div>Longitude 148°25' 05.29"E</div>		<div>Latitude 38°10' 16.00"S</div>	
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Well: TNA A-17a					
Field: Tuna					
Rig: Prod 2 / Crane					
Country: Australia					
GR-CCL Owen Patch Setting Record					
LOCATION					
Gippsland	Elev.: K.B. 32.1 m				
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Permanent Datum:	Mean Sea Level				
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Maximum Recorded Temperatures	107 degC				
Logger On Bottom	2-Feb-2006		Time	13:27	
Unit Number	Location	3827	Tuna		
Recorded By	Joel Hogan				
Witnessed By	Jimmy Dean, Donald Broomfield				
PVT DATA					
Oil Density		Run 1	Run 2	Run 3	
Water Salinity					
Gas Gravity					
Bo					
Bw					
1/Bg					
Bubble Point Pressure					
Bubble Point Temperature					
Solution GOR					
Maximum Deviation	64 deg				
CEMENTING DATA					
Primary/Squeeze	Primary				
Casing String No					
Lead Cement Type					
Volume					
Density					
Water Loss					
Additives					
Trail 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			Time		
Unit Number	Location				
Recorded By					
Witnessed By					

DEPTH SUMMARY LISTING	
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Date Created: 2-FEB-2006 15:13:29

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-H	Type:	CMTD-B/A	Type:	7-46 M18 XS
Serial Number:	794	Serial Number:	1711	Serial Number:	-999
Calibration Date:	31-May-2005	Calibration Date:	20-JUL-2005	Length:	0.00 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	57144		
Calibration Cable Type:	2-32ZT	Calibration Gain:	0.97	Conveyance Method:	Wireline
Wheel Correction 1:	-6	Calibration Offset:	200.00	Rig Type:	Offshore_Fixed
Wheel Correction 2:	-5				

Depth Control Parameters	
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Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	TUNA A17A CORRELATION LOGS
Reference Log Run Number:	
Reference Log Date:	no date available
Subsequent Trip Down Log Correction:	1.50 M

Depth Control Remarks






- | |
|---|
| <ol style="list-style-type: none">1. All Schlumberger Depth Control Procedures followed.2. Log correlated to correlation log provided by Esso.3. GR response used for correlation.4. IDW used as Primary Depth Control.5. Z-Chart used as Secondary Depth Control.6. Actual cable used was 7-32 AS XS. |
|---|

<p style="text-align: center;">DISCLAIMER</p> <p>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.</p>

CHIEF DEPUTY SHERIFF	CHIEF DEPUTY SHERIFF
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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
Log correlated to Solar composite log provided by client, undated.	
Purpose of log: To set owen patch over hole in tubing located at 2250MDKB.	
CCL to top element= 3.791m	
Top of patch to be set at 2245MDKB	
Lower seal to be set at 2257MDKB	
When RIH with patch after correlation pass, tool became stuck at 2253.4MDKB CCL.	
Discussed with company man and decided to set patch in attempt to pull free,	

set top of patch at 2255MDKB. Attemp to pull tree, still stuck,					
recieved permission to pull weak point, pulled weak point at 4317lbs.					
CSU was rigged up to fish toolstring and set patch on pipe at specified interval					
Crew– Brendan Glover, Sean McGee. (days)					
Peter Battams, Peter Lawrence (nights)					
RUN 1			RUN 2		
SERVICE ORDER #:		AUSL06185762	SERVICE ORDER #:		
PROGRAM VERSION:		13C0-300	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT					
SHM-EA					
DOWNHOLE EQUIPMENT					
MH-22		17.70			
MH-22					
PGGT-C		16.89			
PGGC 292					
PGGH-A					
	Gamma Ray Casing Co Tension	0.48 TOOL ZERO			
AH-Owen Adaptor		14.94			
SAFE		14.73			
SHM_GUN-Owen Setting Tool		14.73			
GUN					
AH-Owen Patch		12.19			
AH-Owen Patch					

TOOL BOTTOM

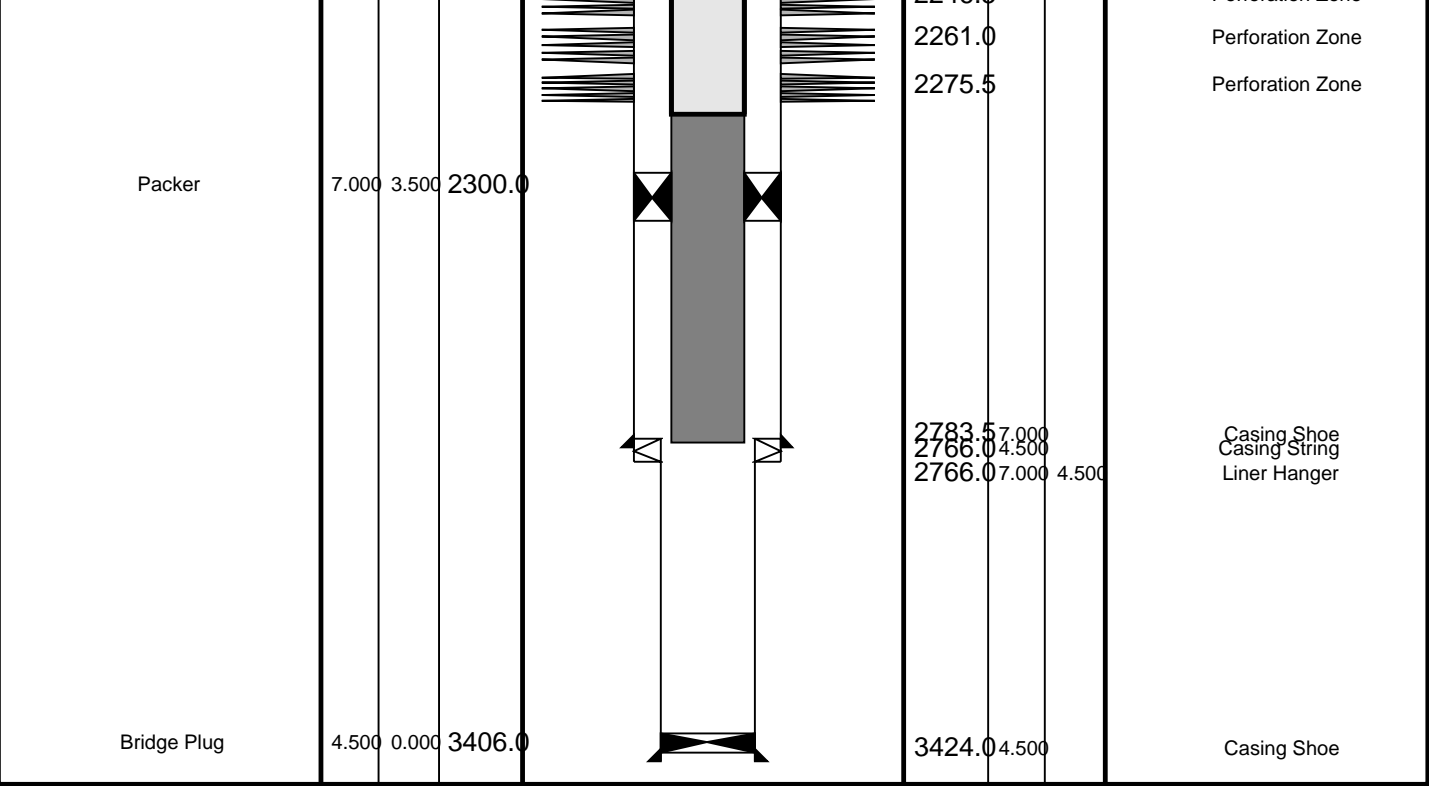
MAXIMUM STRING DIAMETER 3.38 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: Esso Australia Ltd.
Well: TNA A-17a
Field: Tuna
State: Victoria
Country: Australia

Drawing Date: 26/2/2006
API #:

Rig Name: Tuna
Reference Datum: Kelly Bushing
Elevation: 32.1 m

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing	3.500	3.500	9.0		9.0	7.000		Casing String
					10.0	10.625	57.000	Casing String
					11.0	13.688	10.625	Casing String
					593.8	10.625		Casing Shoe
					715.5	13.688		Casing Shoe
Gas Lift Mandrel	3.500		1408.0					
Gas Lift Mandrel	3.500		1919.5					
Packer	7.000	3.500	2077.0					
Sliding Sleeve	3.500		2183.8					
Blast Joint	3.500		2250.2		2246.5			Perforation Zone



Setting Pass Pulled Weak Point

MAXIS Field Log

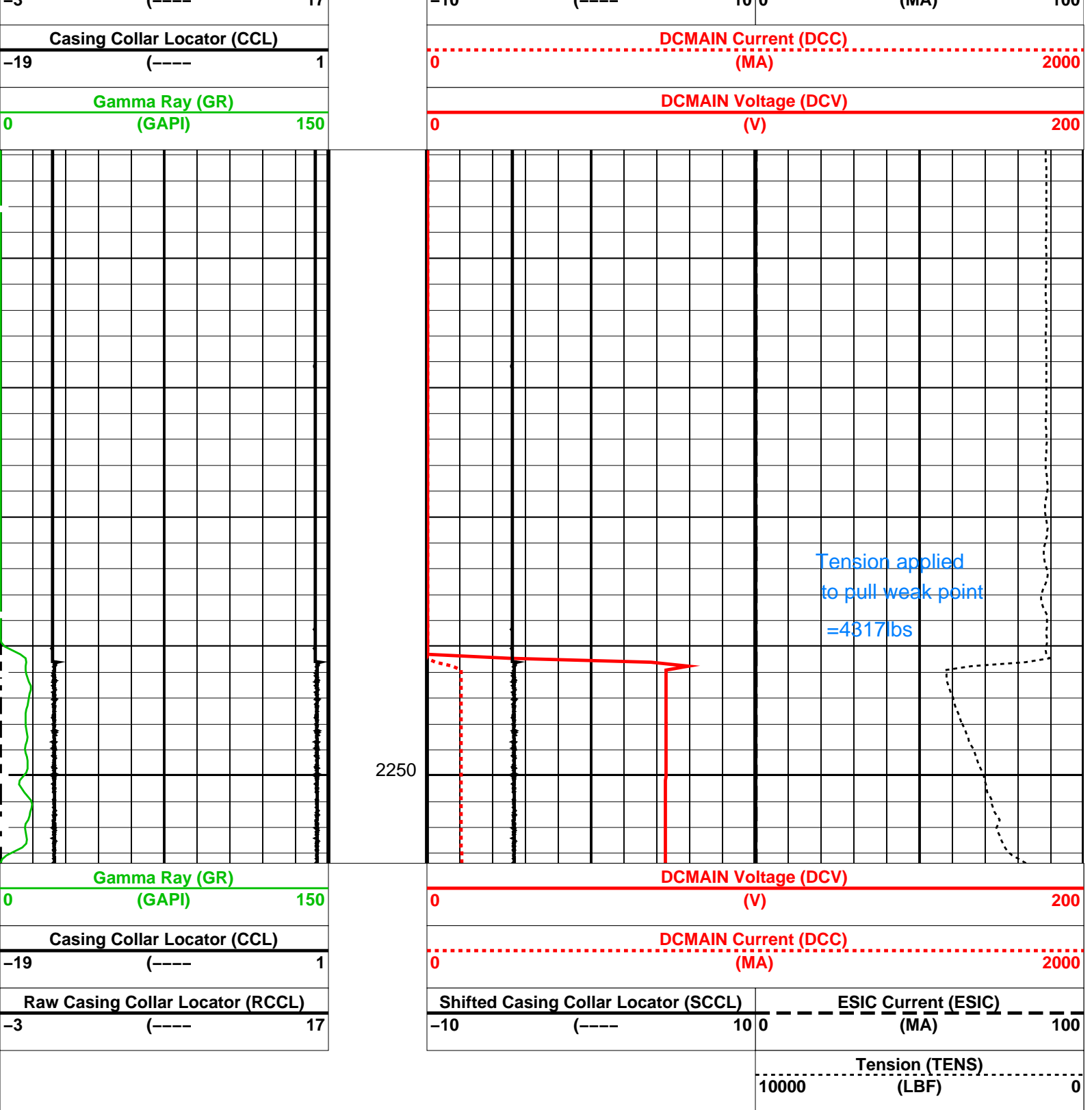
Company: Esso Australia Pty. Well: A17A

Output DLIS Files						
DEFAULT	PERFO_047LUP	FN:58	PRODUCER	04-Feb-2006 07:59	2253.4 M	2225.8 M

OP System Version: 13C0-300			
MCM			
SHM_GUN	PTC-2789-NUCL	SAFE	PTC-2789-NUCL
PGGT-C	PTC-2789-NUCL		

PIP SUMMARY	
Time Mark Every 60 S	

Raw Casing Collar Locator (RCCL)		Shifted Casing Collar Locator (SCCL)		ESIC Current (ESIC)	
3	6	10	6	10000	100
	17		10.0		



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
SAFE: SAFE DETONATING SYSTEM		
ESDT	ESIC Shot Depth Temperature	175 DEGC

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 04-Feb-2006 07:59

OP System Version: 13C0-300

MCM

SHM_GUN
PGGT-C

PTC-2789-NUCL
PTC-2789-NUCL

SAFE

PTC-2789-NUCL

Output DLIS Files

DEFAULT

PERFO_047LUP

FN:58

PRODUCER

04-Feb-2006 07:59

Schlumberger

Correlation

MAXIS Field Log

Company:

Well:

Input DLIS Files

DEFAULT

PERFO_042LUP

FN:49

PRODUCER

04-Feb-2006 04:16

2270.0 M

2181.3 M

Output DLIS Files

DEFAULT

PERFO_003PUP

FN:2

PRODUCER

06-Feb-2006 15:43

2258.3 M

2170.0 M

OP System Version: 13C0-300

MCM

SHM_GUN

PTC-2789-NUCL

PGGT-C

PTC-2789-NUCL

Gamma Ray (GR)

0

(GAPI)

150

Casing Collar Locator (CCL)

-19

(----

1

Shifted Casing Collar Locator (SCCL)

-10

(----

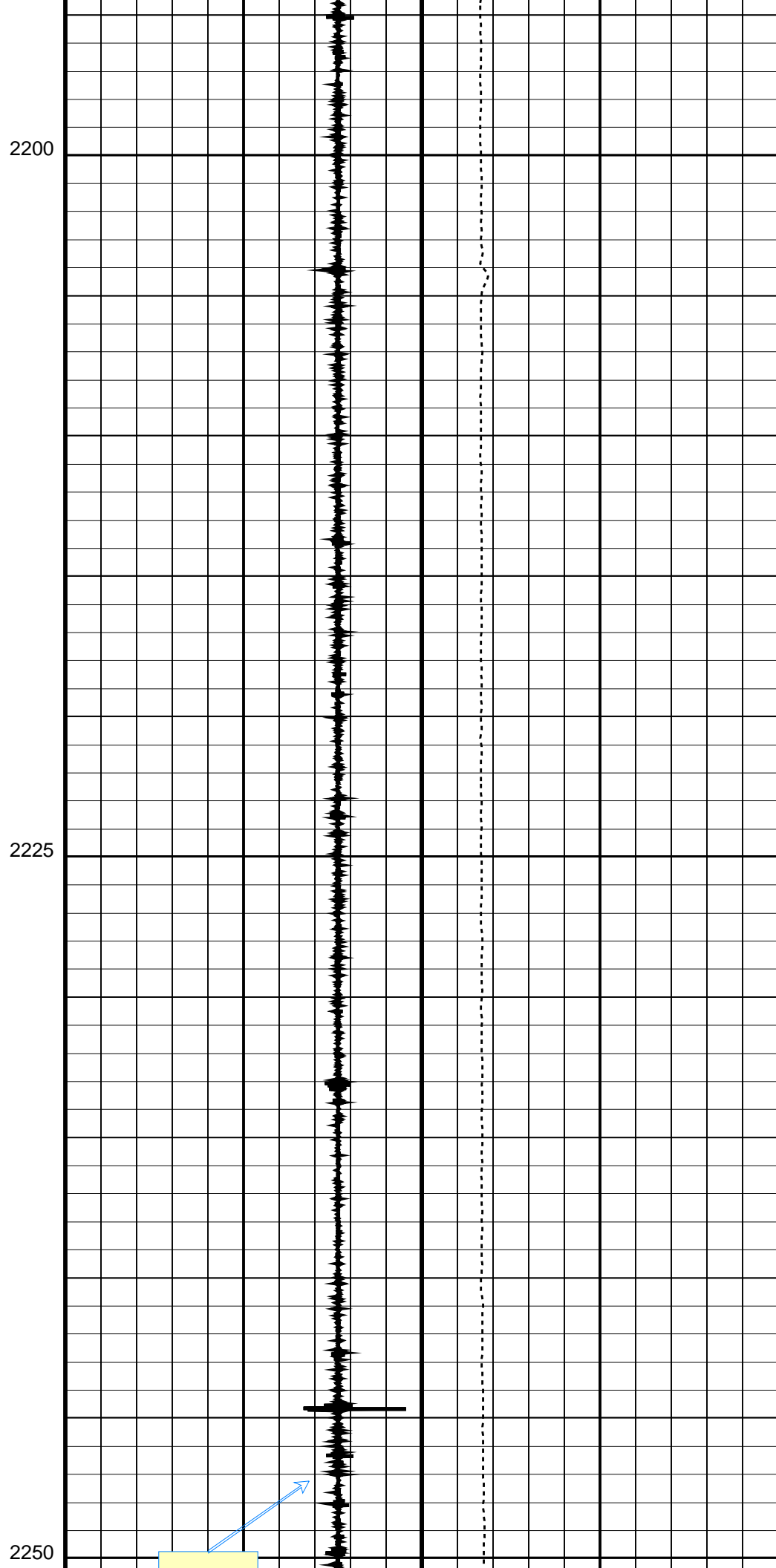
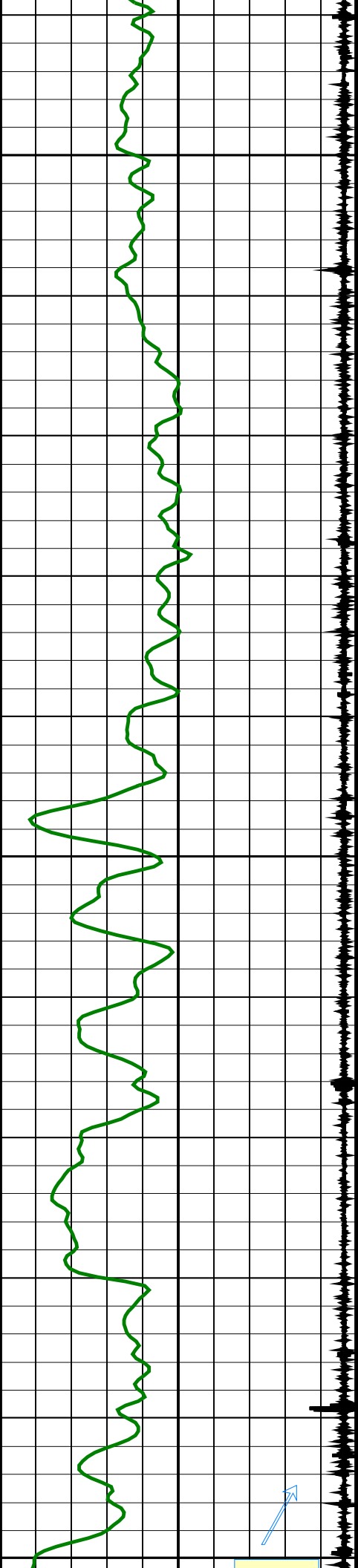
10 0

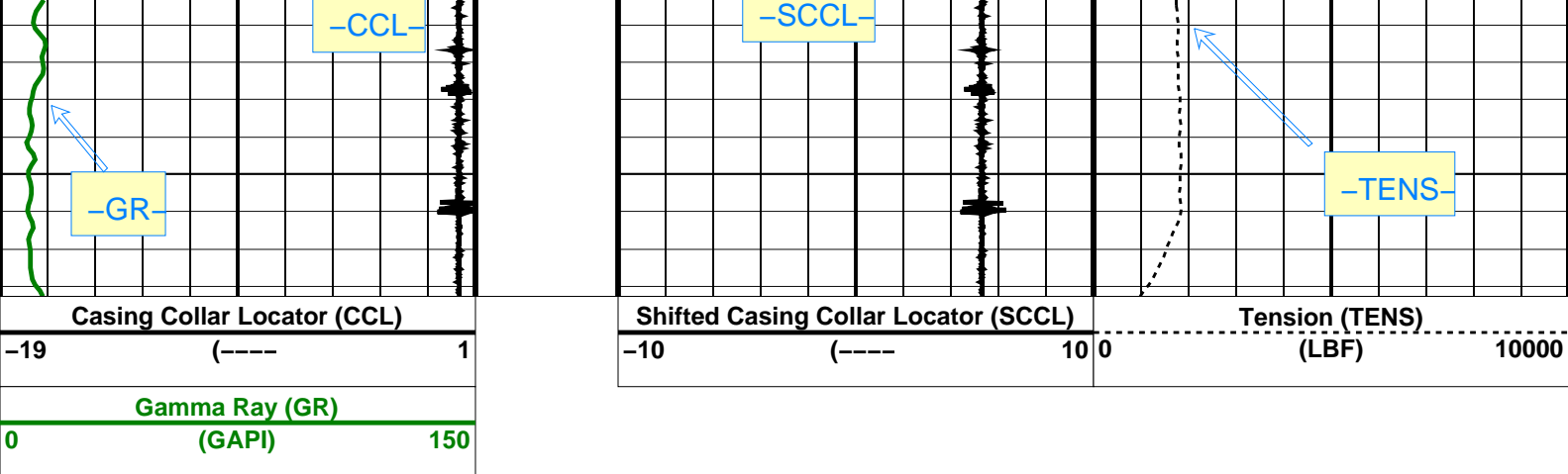
Tension (TENS)

(LBF)

10000

2175





Parameters						
DLIS Name		Description		Value		
System and Miscellaneous						
DO		Depth Offset for Playback		-11.8	M	
PP		Playback Processing		NORMAL		
Format: CORRELATION		Vertical Scale: 1:200		Graphics File Created: 06-Feb-2006 15:43		
OP System Version: 13C0-300						
MCM						
SHM_GUN	PTC-2789-NUCL		PGGT-C	PTC-2789-NUCL		
Input DLIS Files						
DEFAULT	PERFO_042LUP	FN:49	PRODUCER	04-Feb-2006 04:16	2270.0 M	2181.3 M
Output DLIS Files						
DEFAULT	PERFO_003PUP	FN:2	PRODUCER	06-Feb-2006 15:43		

Company:	Esso Australia Ltd.	Schlumberger
Well:	TNA A-17a	
Field:	Tuna	
Rig:	Prod 2 / Crane	
Country:	Australia	
GR-CCL		
Owen Patch		
Setting Record		