

Company: **Esso Australia Pty Ltd**

Well: **FTA A30a**

Field: **Bass Strait**

Platform: **Fortescue**

Country: **Australia**

2 " HSD Gun  
Perforation Record

Platform: Fortescue  
Field: Bass Strait  
Location: Gippsland Basin  
Well: FTA A30a  
Company: Esso Australia Pty Ltd

LOCATION		
Gippsland Basin Prod 1 / Crane		Elev.:    K.B.    42.49 m G.L.    -76 m D.F.    42.49 m
Permanent Datum:	Mean Sea Level	Elev.:    0 m
Log Measured From:	Kelly Bushing	42.5 m above Perm. Datum
Drilling Measured From:	Rotary Table	
State: Victoria	Max. Well Deviation 73.8 deg	Longitude                      Latitude 148 ° 16' 36.62" E    38 ° 24' 31.39" S

Logging Date	21-Jan-2008		
Run Number	1		
Depth Driller	5075 m		
Schlumberger Depth	4948.1 m Tagged		
Bottom Log Interval	4939 m		
Top Log Interval	4936 m		
Casing Fluid Type			
Salinity			
Density	8.55 g/cm3		
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	8.500 in		
From	0 m		
To	5075 m		
Casing/Tubing Size	3.500 in		
Weight	9.2 lbn/ft		
Grade	13CR-80		
From	20.3 m		
To	4889.11 m		
Maximum Recorded Temperatures			
Logger On Bottom	21-Jan-2008	Time	10:00
Unit Number	3829	AUSL	
Recorded By	Owen Darby		
Witnessed By	Mark Turner		

PVT DATA				Run 1	Run 2	Run
Oil Density						
Water Salinity						
Gas Gravity						
Bo						
Bw						
1/Bg						
Bubble Point Pressure						
Bubble Point Temperature						
Solution GOR						
Maximum Deviation	73.8 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		Time				
Unit Number	Location					
Recorded By						
Witnessed By						

## DEPTH SUMMARY LISTING

Date Created: 24-JAN-2008 12:25:41

## Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-H	Type:	CMTD-B/A	Type:	2-32ZT
Serial Number:	797	Serial Number:	2268	Serial Number:	207309
Calibration Date:	04-12-2007	Calibration Date:	13-01-2008	Length:	6794.91 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1174	Conveyance Method:	Wireline
Calibration Cable Type:	2-32ZT	Calibration Gain:	1.24	Rig Type:	Offshore_Fixed
Wheel Correction 1:	-5	Calibration Offset:	-809.00		
Wheel Correction 2:	-2				

## Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Solar composite log
Reference Log Run Number:	1
Reference Log Date:	09-Oct-2007
Subsequent Trip Down Log Correction:	4.00 M

## Depth Control Remarks

1. Correlated to solar composite log
2. Used IDW as primary depth control
3. Used Z-Chart as secondary depth control
- 4.
- 5.
- 6.

## DISCLAIMER

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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

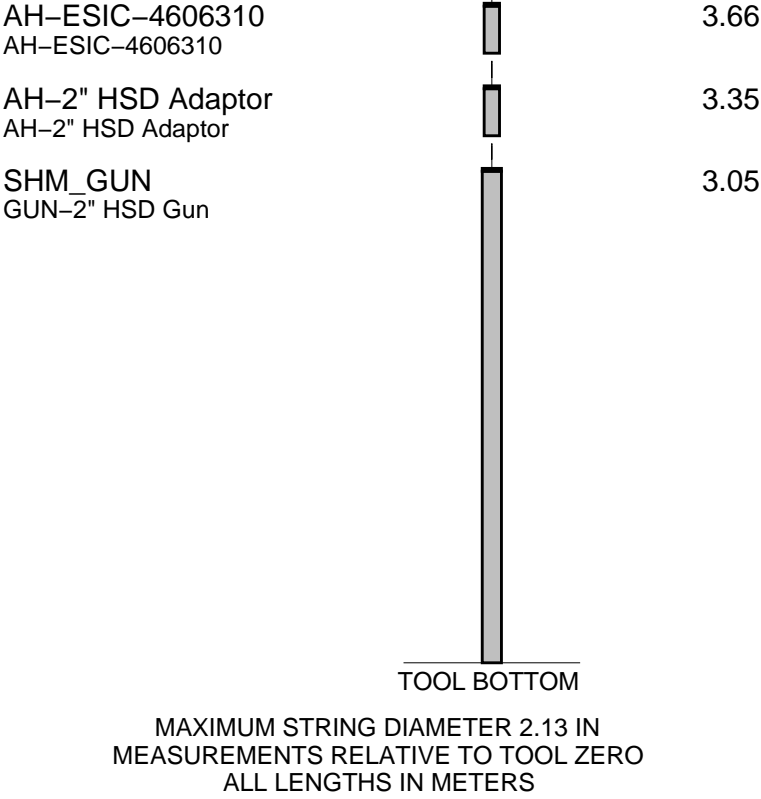
Correlated to solar composite log provided by client

Objective:

Displace well with EME salt (Radia Green friction reducer) mixed at 1–3% by volume with inhibited seawater.

Perforate the interval 4936.0 – 4939.0m MDKB using 2" 6 Spf HSD guns loaded

with powerjet omega charges.					
Make up toolstring incorporating ERS, GR / CCL and 3.0m of powerjet charges, RIH					
with gun and on depth to the solar composite log. Locate the guns over the					
perforation interval and attempt to create 300psi under balance, while					
maintaining guns at the correct depth, perforate the well, flow well for 15mins					
after perforation for clean up. Shut the well in and POOH.					
Crew:					
Operators = Luke Dooley & Nathan Simmons					
Specialist = Owen Darby					
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		
SURFACE EQUIPMENT					
WITM (SHM)					
DOWNHOLE EQUIPMENT					
MH-22 MH-22		9.54			
ERS-E-1107 ERS-Housing 1107		9.06			
EQF-46 EQF-46 3003		8.68			
EQF-46 EQF-46 3002		6.85			
UPCT-A UPCC-A 306 UPCH-A 306		5.02			
Gamma Ray		0.79			
Casing Co Tension		TOOL ZERO			



Client: Esso Australia Pty Ltd

Well: FTA A30a

Field: Bass Strait

State: Victoria

CountryAustralia

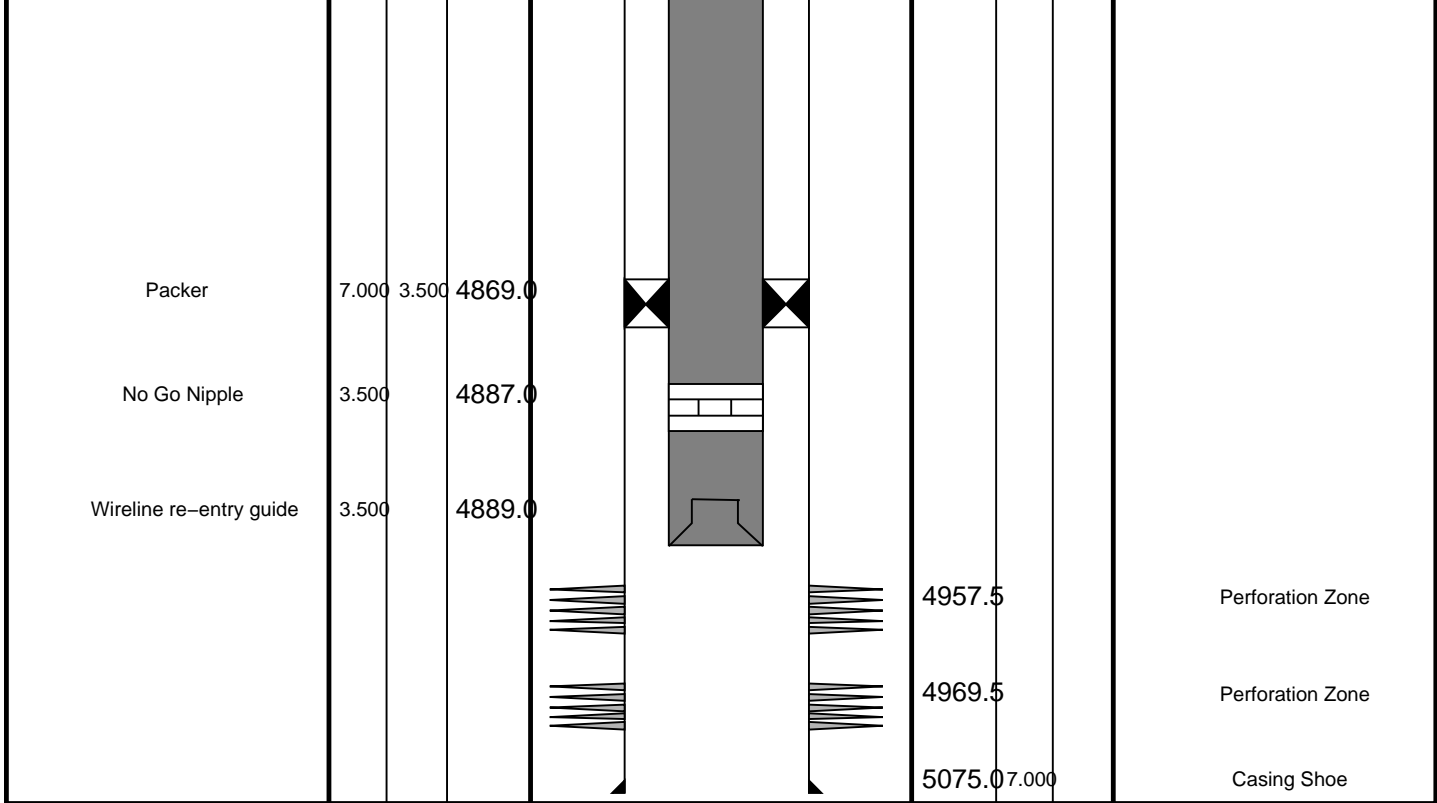
Rig Name: Fortescue

Reference Datum: Mean Sea Level

Elevation: 42.5 m

1/24/2008

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing	3.500		20.0		22.0	10.750		Casing String Liner Hanger
					22.0	10.750	07.000	
SSSV	3.500		452.0					
Gas Lift Mandrel	3.500		705.0					
Gas Lift Mandrel	3.500		1474.0					
								Casing Shoe
Gas Lift Mandrel	3.500		1946.0		1950.0	10.750		
Landing Nipple	3.500		1964.0					



# Job Events Summary

MAXIS Field Log

## Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
Simulated Log	23-Jan-2008 6:36	000:09	PERFO_088LUP
Hot checked toolstring	24-Jan-2008 7:20		
Rig Up Started	24-Jan-2008 8:12	000:10	4338.4 – 4912.9 PERFO_120LDP
Log Pass (down)	24-Jan-2008 8:51	000:07	4945.2 – 4855.6 PERFO_126LUP
RIH with 2" HSD Gun	24-Jan-2008 9:05	000:18	4942.0 – 4870.1 PERFO_128LUP
Log Pass (up)	24-Jan-2008 9:23	000:16	4868.0 – 3887.7 PERFO_129LUP
Correlation Pass	24-Jan-2008 10:55		
Log Pass (up)			
Shooting Pass			
Log Pass (up)			
POOH with 2" HSD Gun\			
Rig Down Completed			

Schlumberger

## 2 " HSD Gun Shooting Pass

MAXIS Field Log

### PERFO2 Operational Summary Listing

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

GUN1 Used 4936.0 4936.0 Thu Jan 24 09:11:06 2008

Company: Esso Australia Pty Ltd

Well: FTA A30a

### Output DLIS Files

DEFAULT PERFO\_128LUP FN:126 PRODUCER 24-Jan-2008 09:05 4942.0 M 4870.1 M

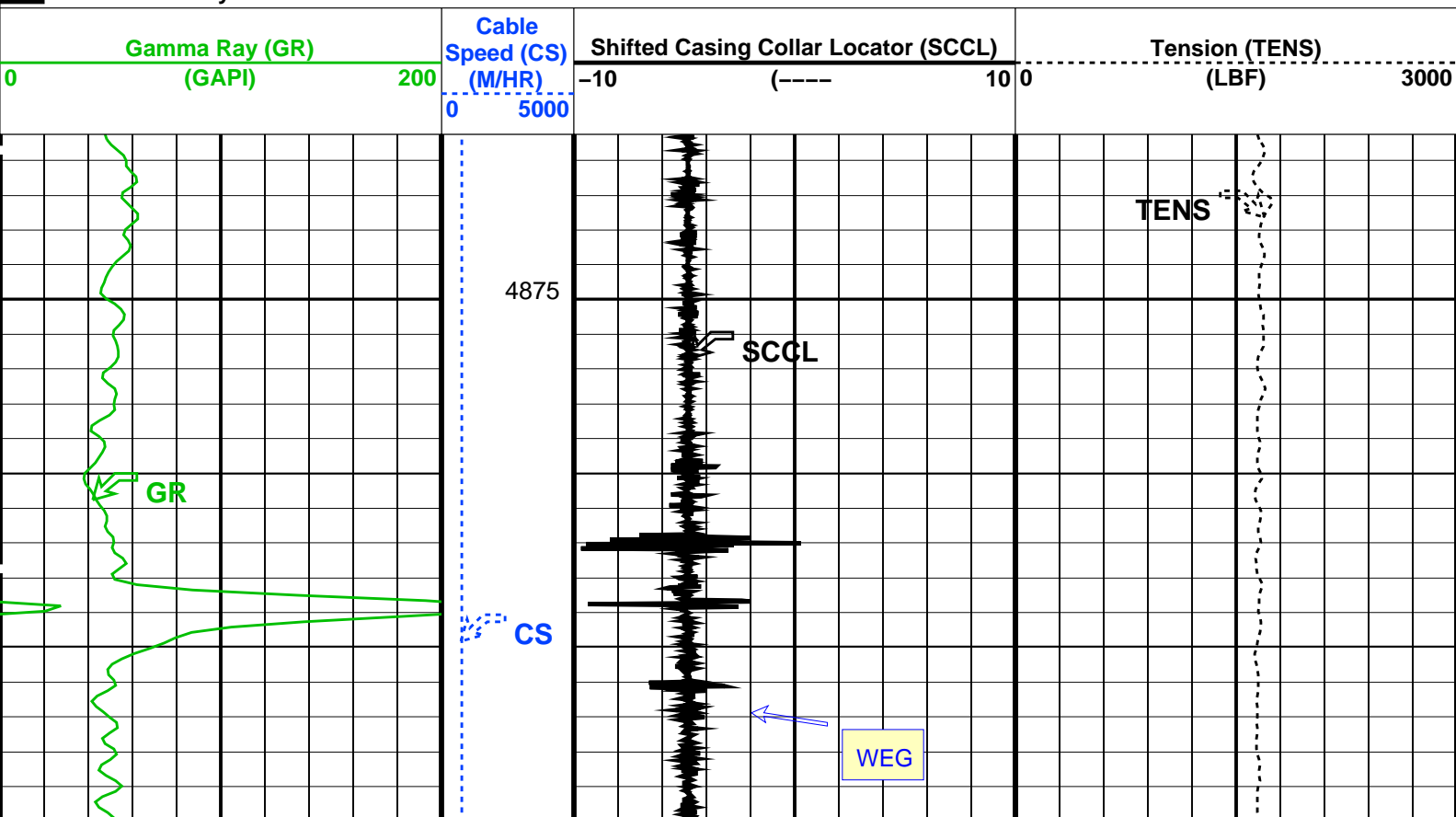
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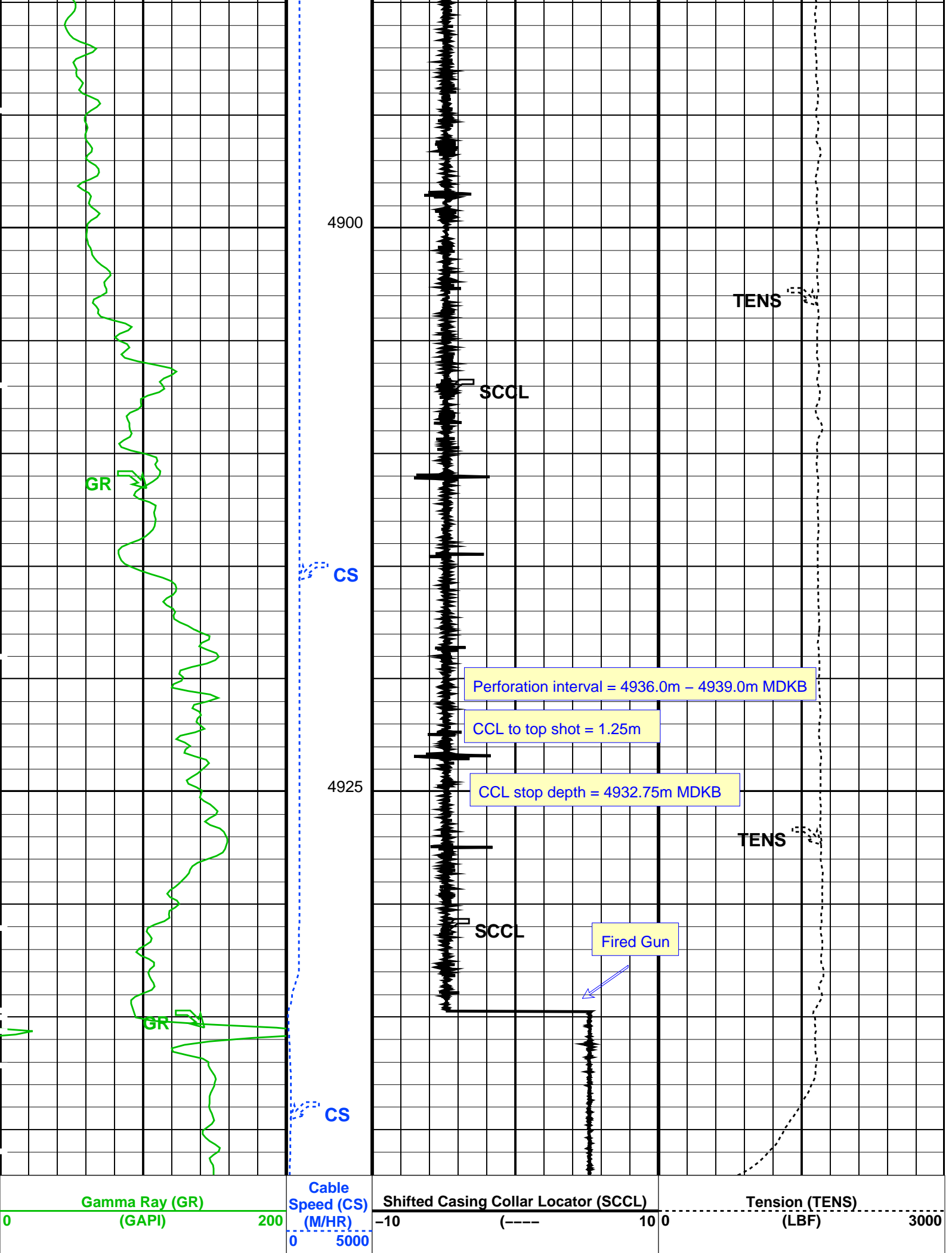
MCM

SHM\_GUN 15C0-309 UPCT-A 15C0-309  
ERS-A 15C0-309

### PIP SUMMARY

Time Mark Every 60 S





Time Mark Every 60 S


Format: PERFO\_1    Vertical Scale: 1:200    Graphics File Created: 24-Jan-2008 09:05

OP System Version: 15C0-309  
MCM

SHM\_GUN    15C0-309    UPCT-A    15C0-309  
ERS-A    15C0-309

Output DLIS Files

DEFAULT    PERFO\_128LUP    FN:126    PRODUCER    24-Jan-2008 09:05



2 " HSD Gun  
Correlation Pass

MAXIS Field Log

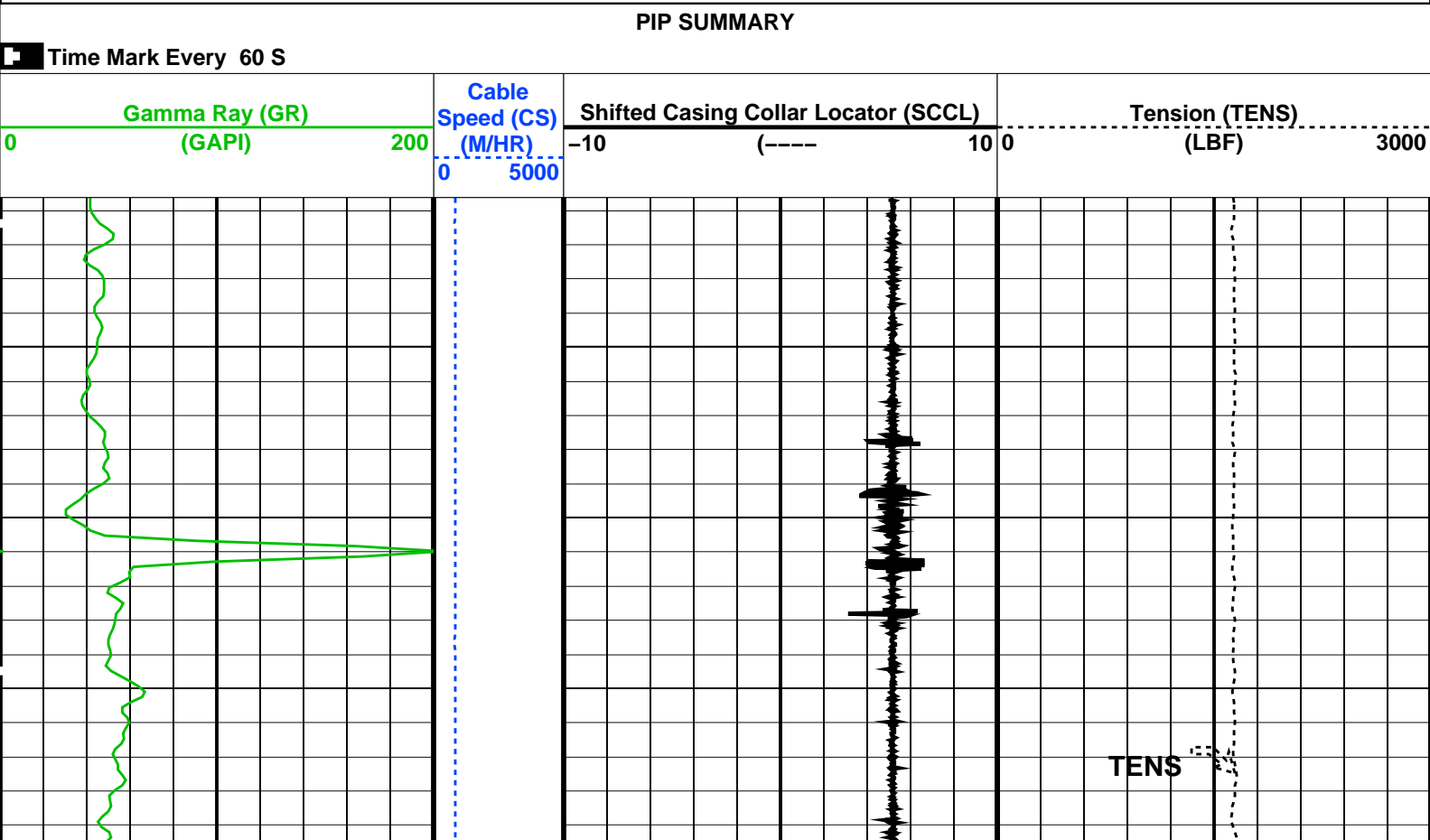
Company: Esso Australia Pty Ltd    Well: FTA A30a

Output DLIS Files

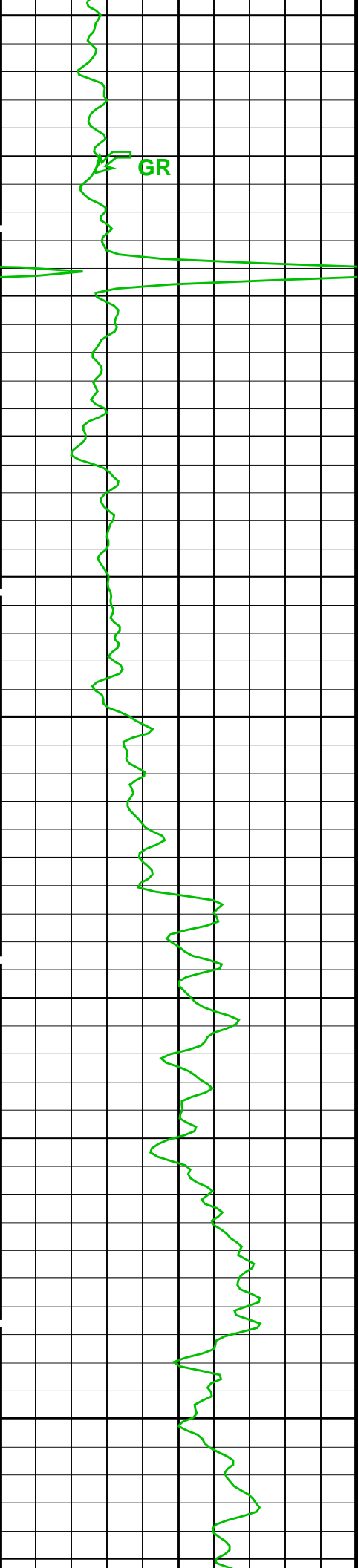
DEFAULT    PERFO\_126LUP    FN:124    PRODUCER    24-Jan-2008 08:51    4945.2 M    4855.6 M

OP System Version: 15C0-309  
MCM

SHM\_GUN    15C0-309    UPCT-A    15C0-309  
ERS-A    15C0-309





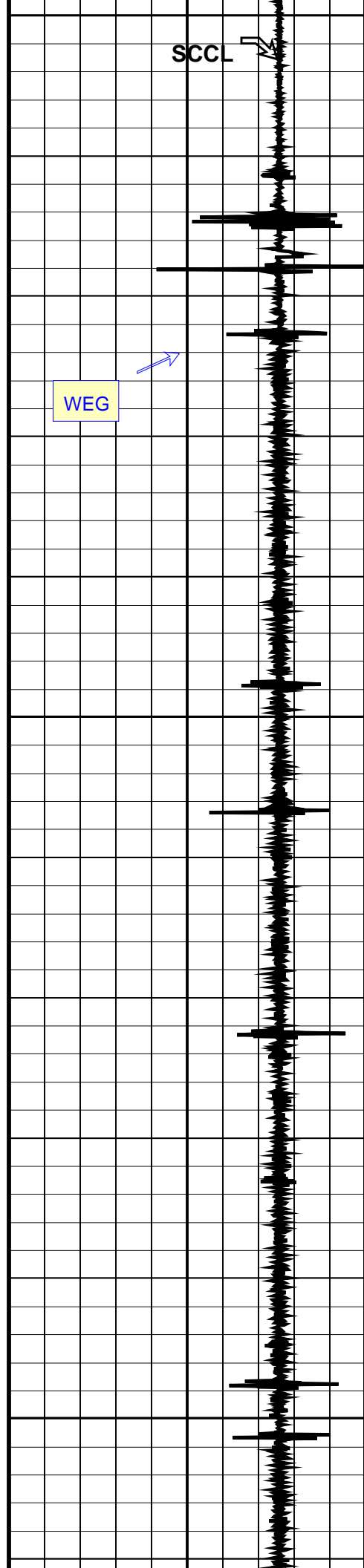


4875

CS

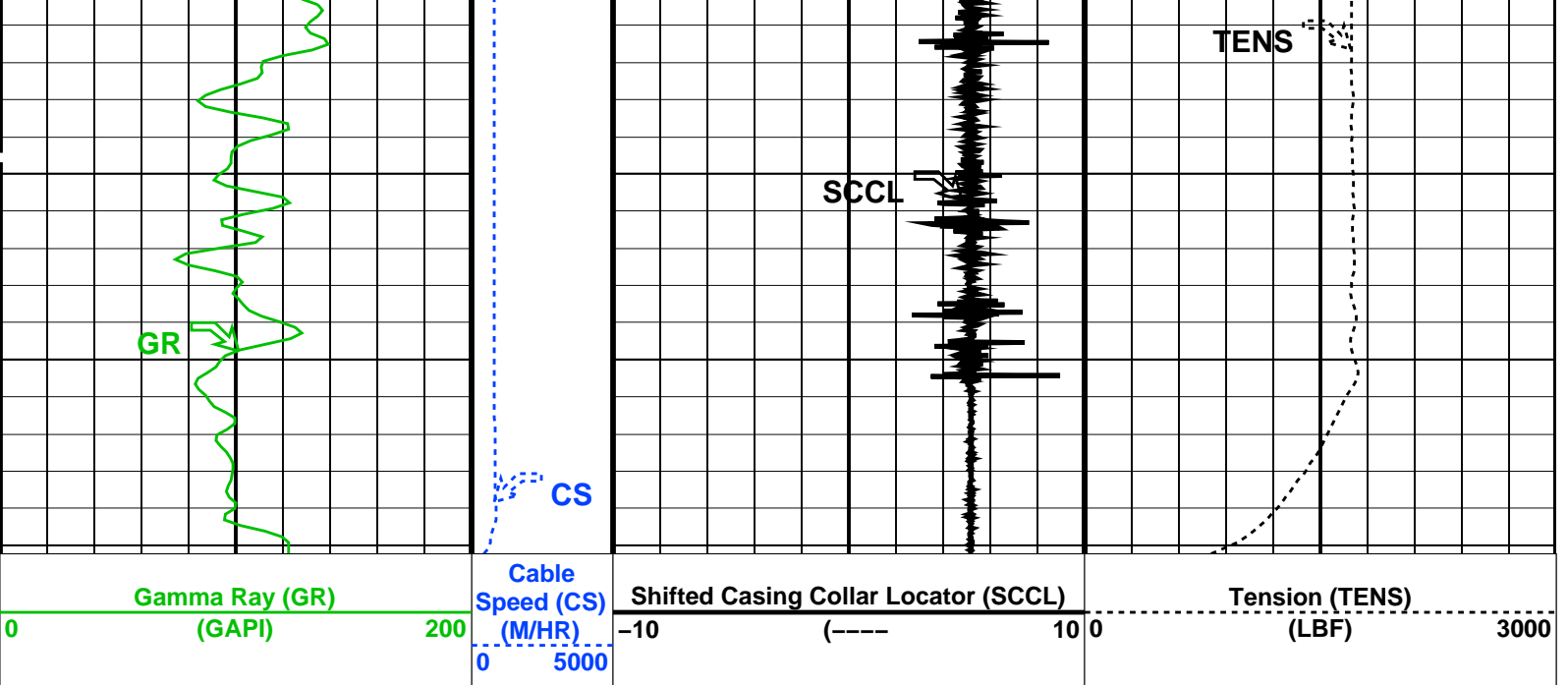
4900

4925



SCCL

WEG



PIP SUMMARY

Time Mark Every 60 S

Format: PERFO\_1 Vertical Scale: 1:200

Graphics File Created: 24-Jan-2008 08:51

OP System Version: 15C0-309  
MCM

SHM_GUN	15C0-309	UPCT-A	15C0-309
ERS-A	15C0-309		

Output DLIS Files

DEFAULT	PERFO_126LUP	FN:124	PRODUCER	24-Jan-2008 08:51
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Company: Esso Australia Pty Ltd

**Schlumberger**

Well: FTA A30a  
Field: Bass Strait  
Platform: Fortescue  
Country: Australia

2 " HSD Gun  
Perforation Record