

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: _____ Log Measured From: _____ Drilling Measured From: _____	Mean Sea Level _____ Kelly Bushing _____ Rotary Table _____ Elev.: 0 m _____ 42.5 m above Perm. Datum
State: Victoria	Max. Well Deviation 73.8 deg Longitude 148 * 16' 36.62" E Latitude 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	10:00
Unit Number	3829	AUSL
Recorded By	Owen Darby	
Witnessed By	Mark Turner	

PVT DATA		
Oil Density	Run 1	Run 2
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	21-Jan-2008	
Run Number	1	
Depth Driller	5075 m	
Schlumberger Depth	4948.1 m Tagged	
Bottom Log Interval	4939 m	
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Unit Number	3829	AUSL
Recorded By	Owen Darby	
Witnessed By	Mark Turner	

DEPTH SUMMARY LISTING

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

Depth System Equipment

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

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

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 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

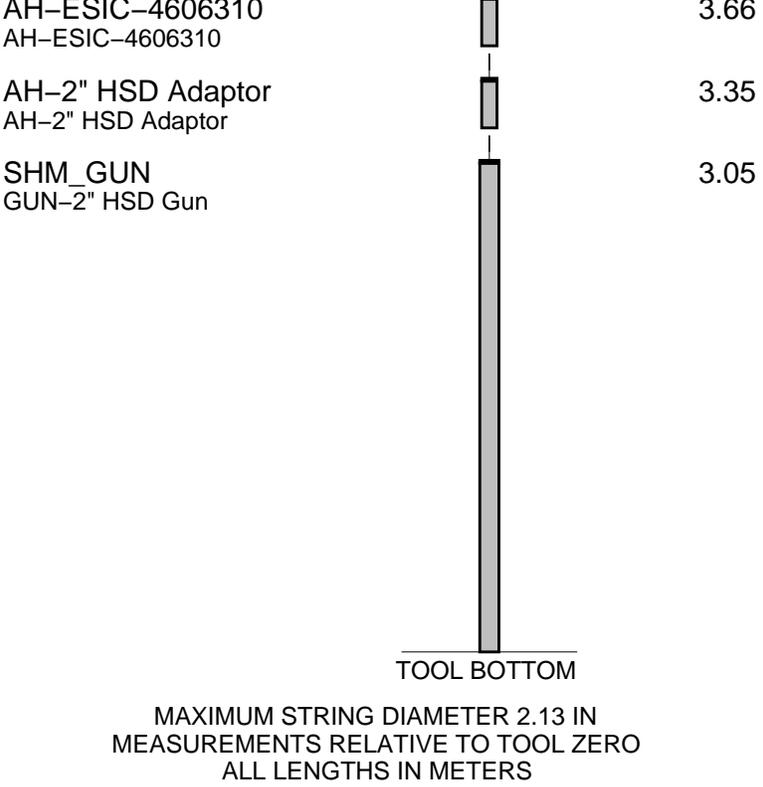
with powerjet omega charges.
 Make up toolstring incorporating ERS, GR / CCL and 3.0m of powerjet charges, RIH
 with gun and on depth to the solar composite log. Locate the guns over the
 perforation interval and attempt to create 300psi under balance, while
 maintaining guns at the correct depth, perforate 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 #:		602-08000	SERVICE ORDER #:		
PROGRAM VERSION:		15C0-309	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

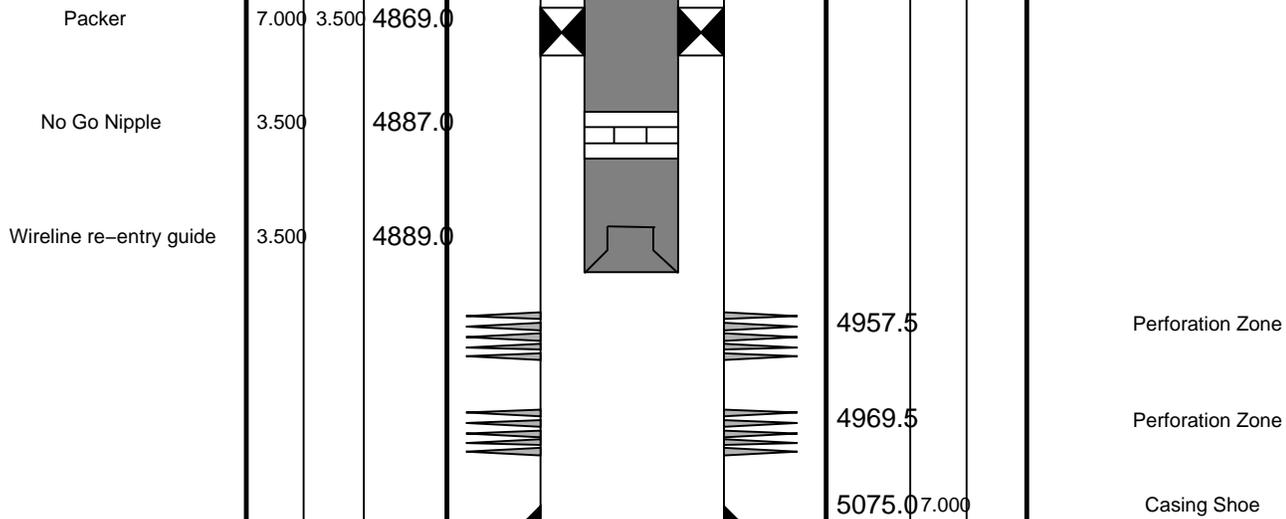
EQUIPMENT DESCRIPTION

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 1/24/2008
 Well: FTA A30a
 Field: Bass Strait Rig Name: Fortescue
 State: Victoria Reference Datum: Mean Sea Level
 Country: Australia Elevation: 42.5 m

Production String	(in)		Well Schematic	(m)		Casing String
	OD	ID		MD	OD	
Tubing	3.500			22.0	10.750	Casing String Liner Hanger
				22.0	10.750	
SSSV	3.500					
Gas Lift Mandrel	3.500					
Gas Lift Mandrel	3.500					
Gas Lift Mandrel	3.500			1950.0	10.750	Casing Shoe
Gas Lift Mandrel	3.500					
Landing Nipple	3.500					



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



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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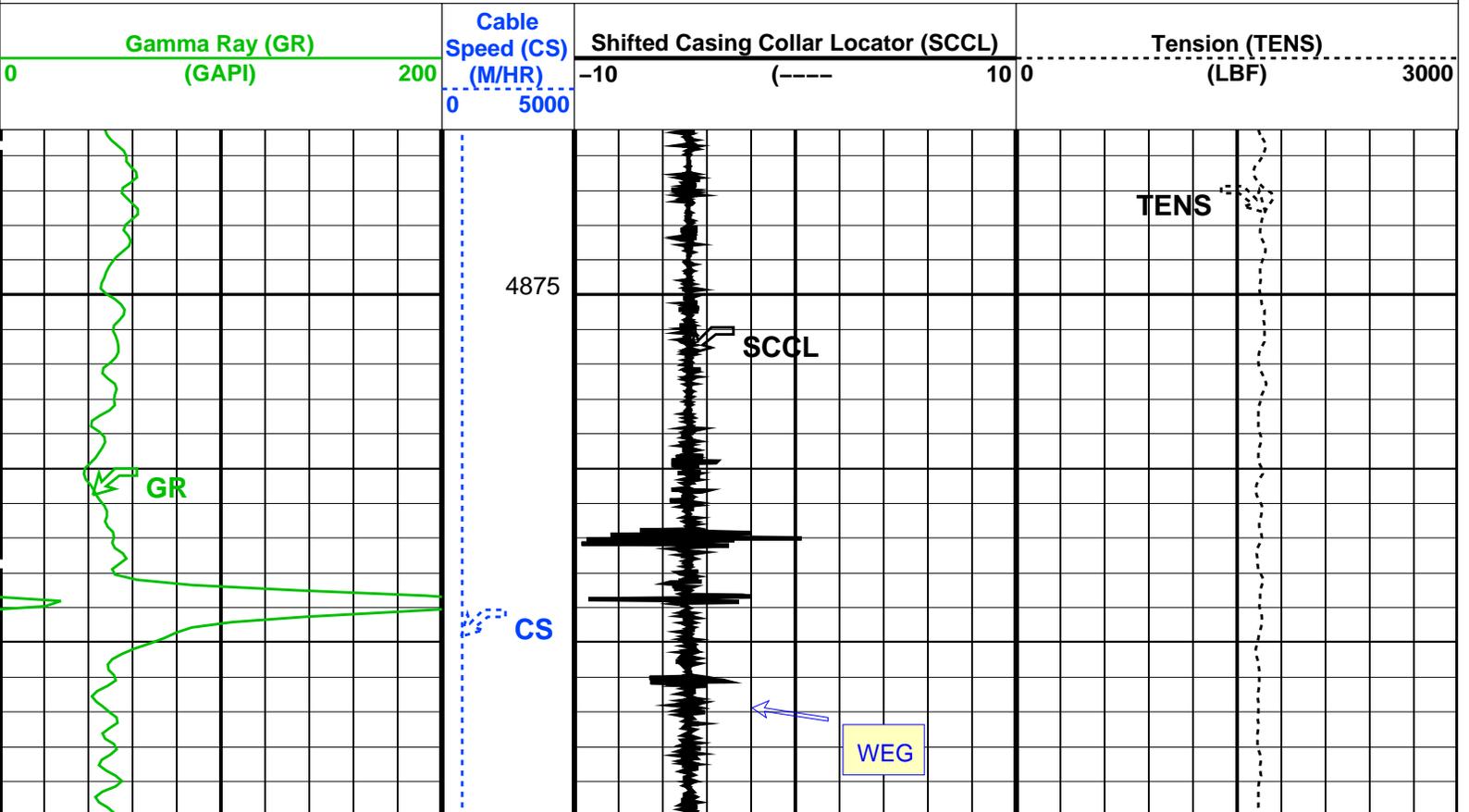
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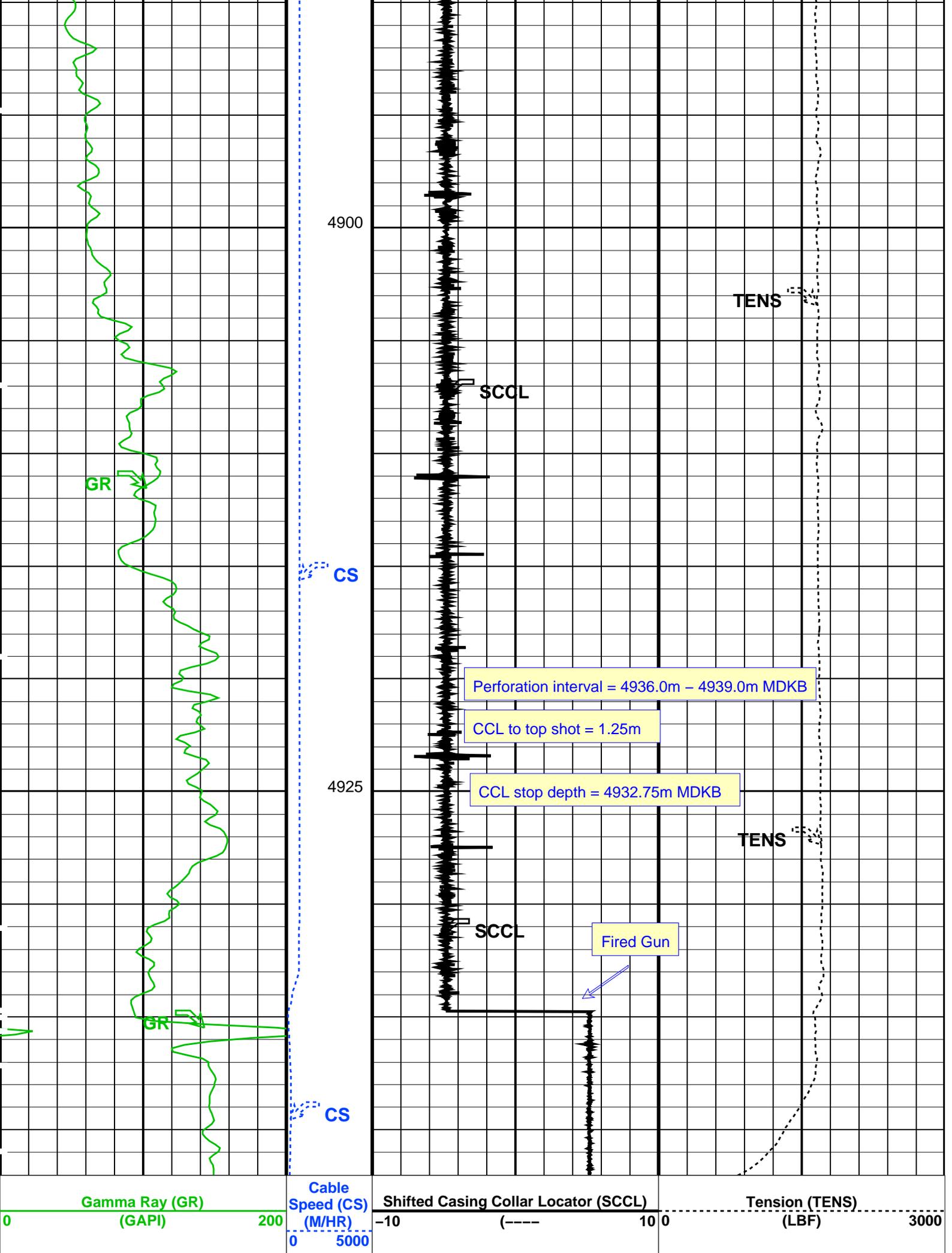
MCM

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
ERS-A 15C0-309

UPCT-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

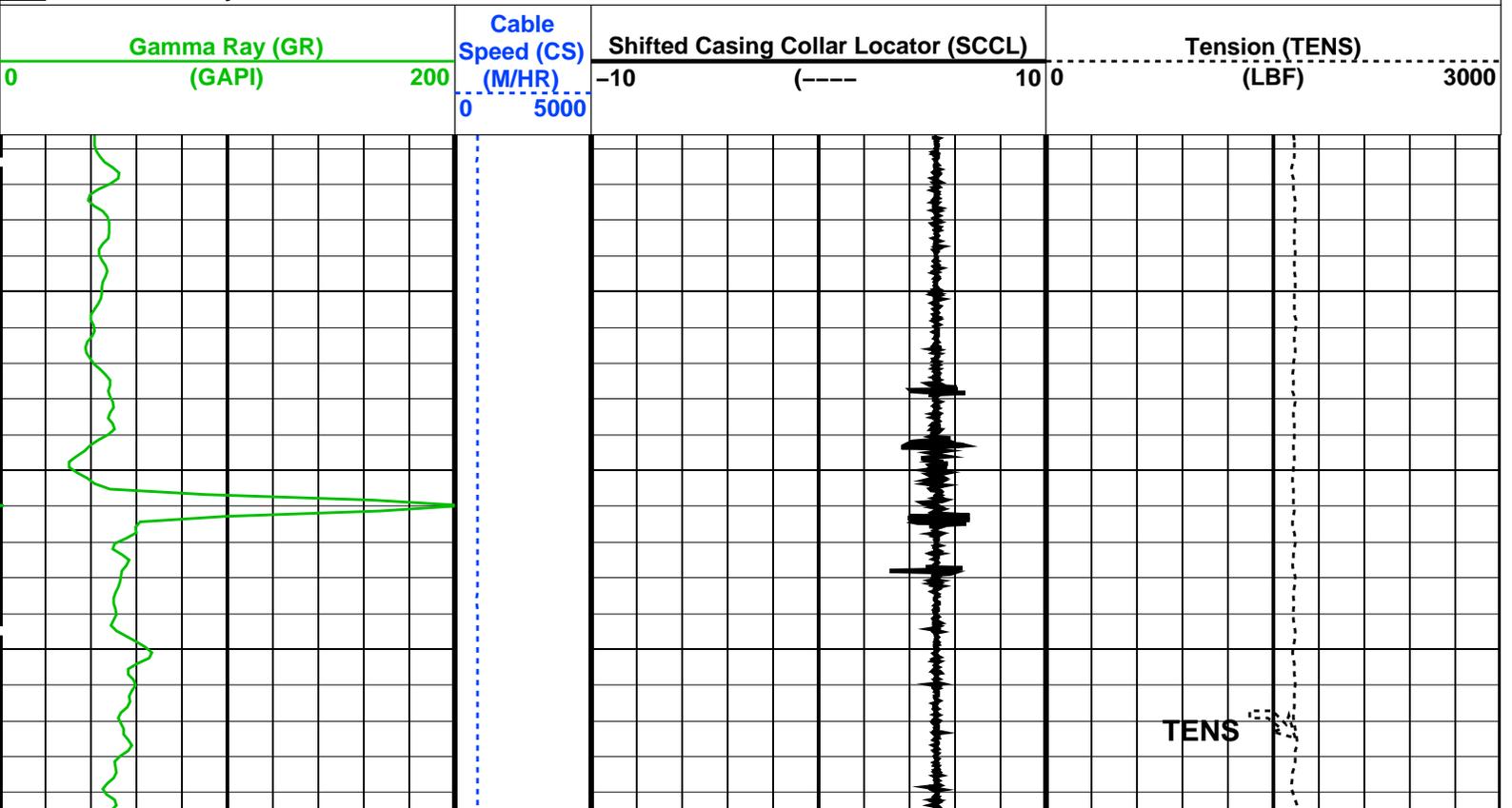
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ERS-A 15C0-309

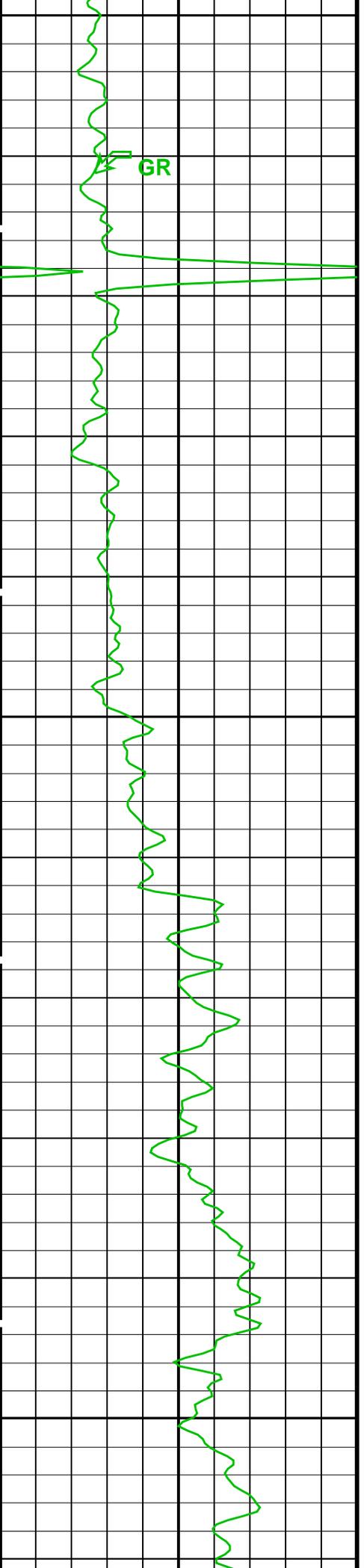
UPCT-A

15C0-309

PIP SUMMARY

Time Mark Every 60 S





4875

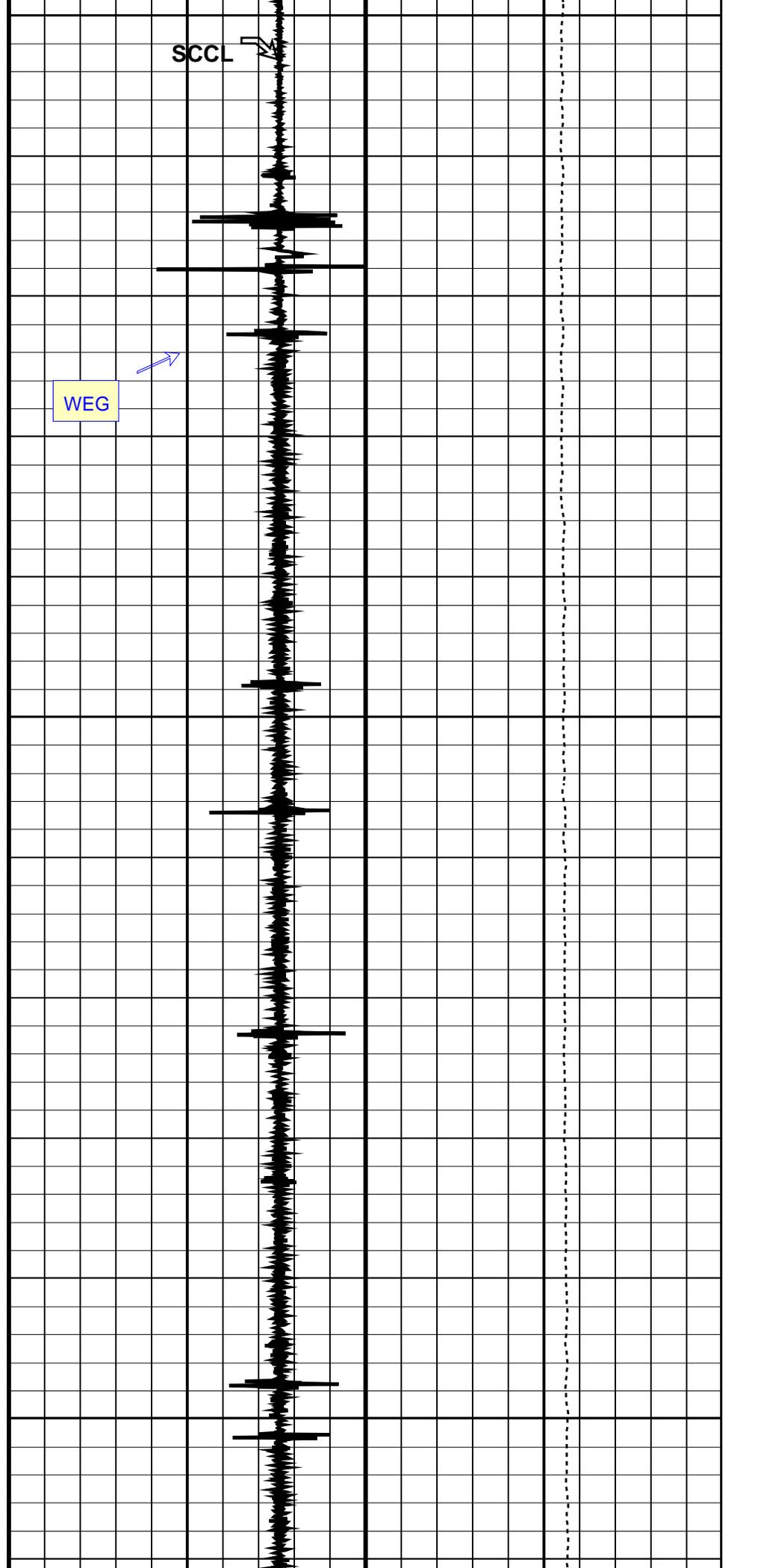
SCCL

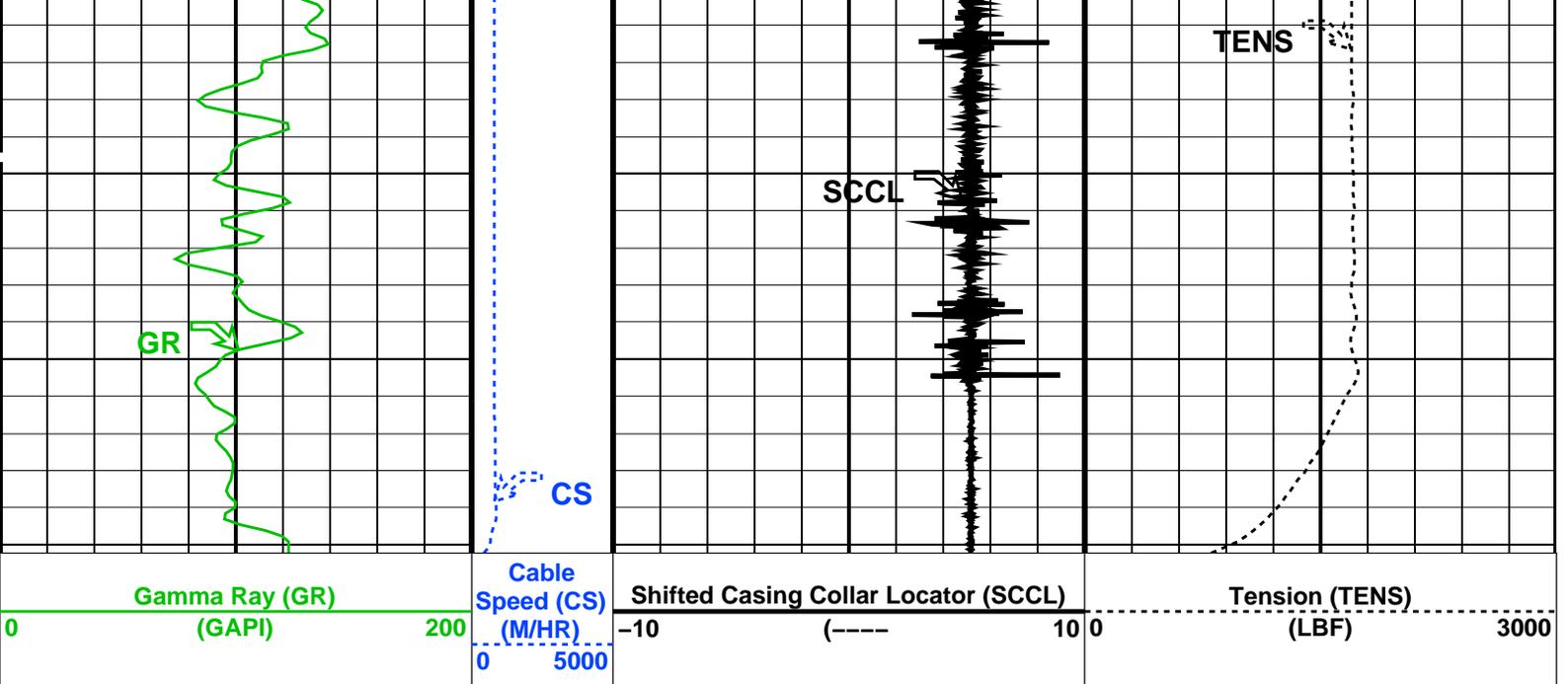
CS

WEG

4900

4925





PIP SUMMARY

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