

Company: Ezzo Australia Pty Ltd

Well: FTA A29a

Field: Bass Strait

Platform: Fortescue

Country: Australia

2" HSD Gun
Perforating Record

Platform: Fortescue

Field: Bass Strait

Location: Gippsland Basin

Well: FTA A29a

Company: Ezzo 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: Rotary Table _____
Drilling Measured From: _____

Elev.: 0 m
42.5 m above Perm. Datum

State: Victoria

Max. Well Deviation
79 deg

Longitude
148° 16' 36.62" E

Latitude
38° 24' 31.39" S

	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	79 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	17-Jan-2008		
Run Number	1		
Depth Driller	4191.3 m		
Schlumberger Depth	3962.6 m Tagged		
Bottom Log Interval	3939 m		
Top Log Interval	3933 m		
Casing Fluid Type	Radia green/ Production fluids		
Salinity			
Density			
Fluid Level	0 m		
BIT/CASING/TUBING STRING			
Bit Size	8.500 in		
From	0 m		
To	4191.3 m		
Casing/Tubing Size	3.500 in		
Weight	9.2 lbn/ft		
Grade	13CR-80		
From	20.9 m		
To	3871.99 m		
Maximum Recorded Temperatures			
Logger On Bottom	17-Jan-2008	12:30	
Unit Number	3829	AUSL	
Recorded By	Owen Darby		
Witnessed By	Mark Turner		

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			

DEPTH SUMMARY LISTING

Depth System Equipment

Date Created: 17-JAN-2008 7:59:14

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	2-32ZT
Serial Number:	797	Serial Number:	2268	Serial Number:	207309
Calibration Date:	4-Dec-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:	FTA A29a Petrophysical Analysis
Reference Log Run Number:	N/A
Reference Log Date:	Not provided
Subsequent Trip Down Log Correction:	-2.00 M

Depth Control Remarks

1. Correlated to FTA Petrophysical analysis log provided by client
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: Drift run	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1

REMARKS: RUN NUMBER 2

Correlated to petrophysical analysis log provided by client.

Objective:

Displace well with EME salt (radia green friction reducer) mixed at 1–3% by volume with inhibited seawater. Make up dummy 2" HSD toolstring, RIH and ensure access to 3950m MDKB. POOH.

Perpare toolstring incorprating GR/CCL, ERS and 6m of 2" HSD perforating guns
with PowerJet Omega charges, RIH with gun and correlate on depth to solar
composite log, locate the gun over the interval 3933.0m–3939.0m MDKB and
attempt to create a 300psi under balance, while maintaining the guns on depth,
perforate the well, flow for 15 minutes after peforation for clean up. Shut the
well in and POOH.

Crew:

Operators = Luke Dooley, Nathan Simmons and Scott Lansbury

Specialist = Owen Darby

RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
15C0–309 0 m					
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

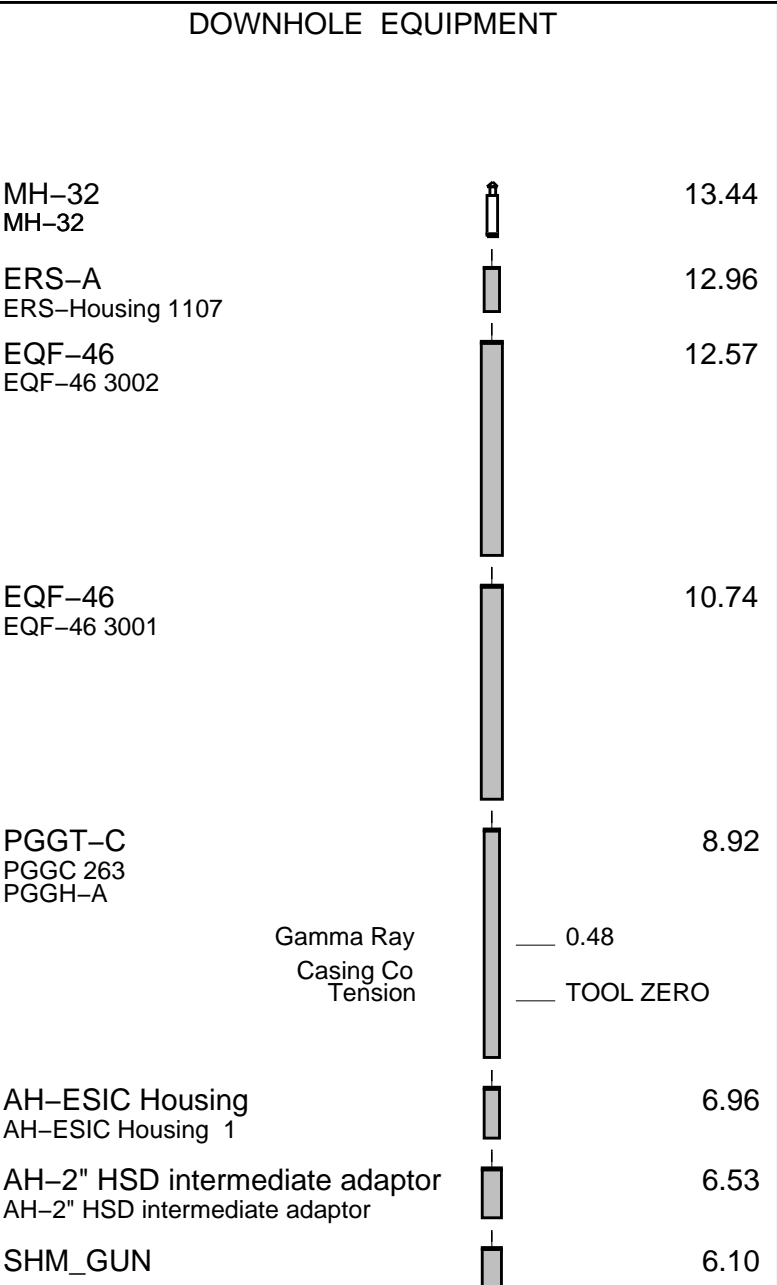
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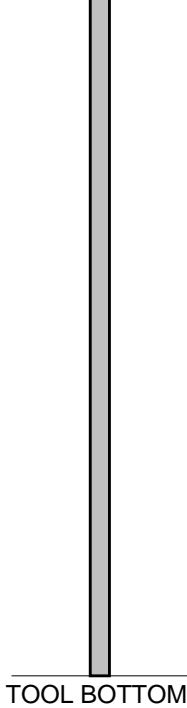
RUN 1

RUN 2

SURFACE EQUIPMENT

WITM (SHM)





MAXIMUM STRING DIAMETER 2.13 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: Esso Australia Pty Ltd

Well: FTA A29a

Field: Bass Strait

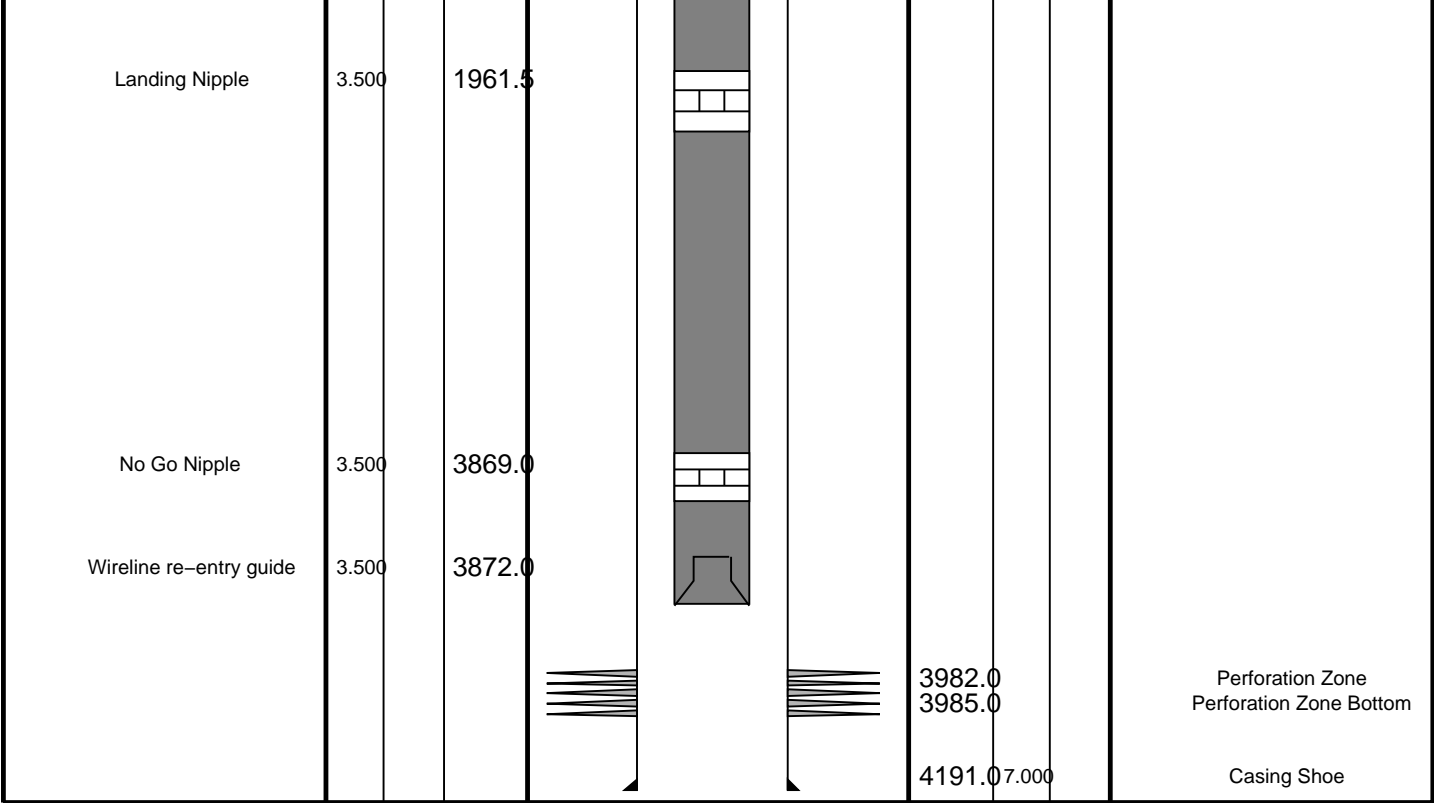
State: Victoria

CountryAustralia

Rig Name: Fortescue

Elevation: 42.5 m

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing	3.500		0.0		22.0	13.375		Casing String
SSSV	3.500		444.8					
Gas Lift Mandrel	3.500		750.7					
Gas Lift Mandrel	3.500		1065.3					
Gas Lift Mandrel	3.500		1946.6					
Gas Lift Mandrel	3.500		1961.5		1503.0	13.375		Casing Shoe



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File		
Simulated Log	16-Jan-2008 9:31	000:01		PERFO_006LUP		
OP Checked toolstring						
Rig Up Started	16-Jan-2008 14:30					
Log Pass (down)	17-Jan-2008 11:19	000:49	10.4 – 3575.3	PERFO_013LDP		
RIH with 2" HSD Dummy gun						
Log Pass (up)	17-Jan-2008 12:51	000:12	3960.9 – 3832.9	PERFO_022LUP		
Dummy Correlation pass						
Log Pass (up)	17-Jan-2008 14:08	000:08	21.9 – -1.2	PERFO_025LUP		
POOH with 2" HSD Dummy toolstring						
Simulated Log	19-Jan-2008 6:40	000:04		PERFO_043LUP		
Hot checked 2" HSD toolstring						
Log Pass (down)	19-Jan-2008 7:41	000:16	433.0 – 1356.2	PERFO_044LDP		
RIH with 2" HSD Gun						
Log Pass (up)	19-Jan-2008 10:06	000:11	3960.1 – 3840.2	PERFO_067LUP		
Corelation pass for 2" HSD Gun						

Log Pass (up) 19-Jan-2008 10:18 000:46 3958.9 - 3841.9 PERFO_068LUP
2" HSD Shooting pass
Log Pass (up) 19-Jan-2008 11:06 000:25 3821.6 - 1962.3 PERFO_069LUP
POOH with 2" HSD Gun
Rig Down Completed 19-Jan-2008 13:00

Schlumberger

2" HSD Gun Shooting Pass

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
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GUN1	Used	3933.0	3933.0	Sat Jan 19 10:39:33 2008
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Company: Esso Australia Pty Ltd

Well: FTA A29a

Output DLIS Files

DEFAULT	PERFO_068LUP	FN:67	PRODUCER	19-Jan-2008 10:18
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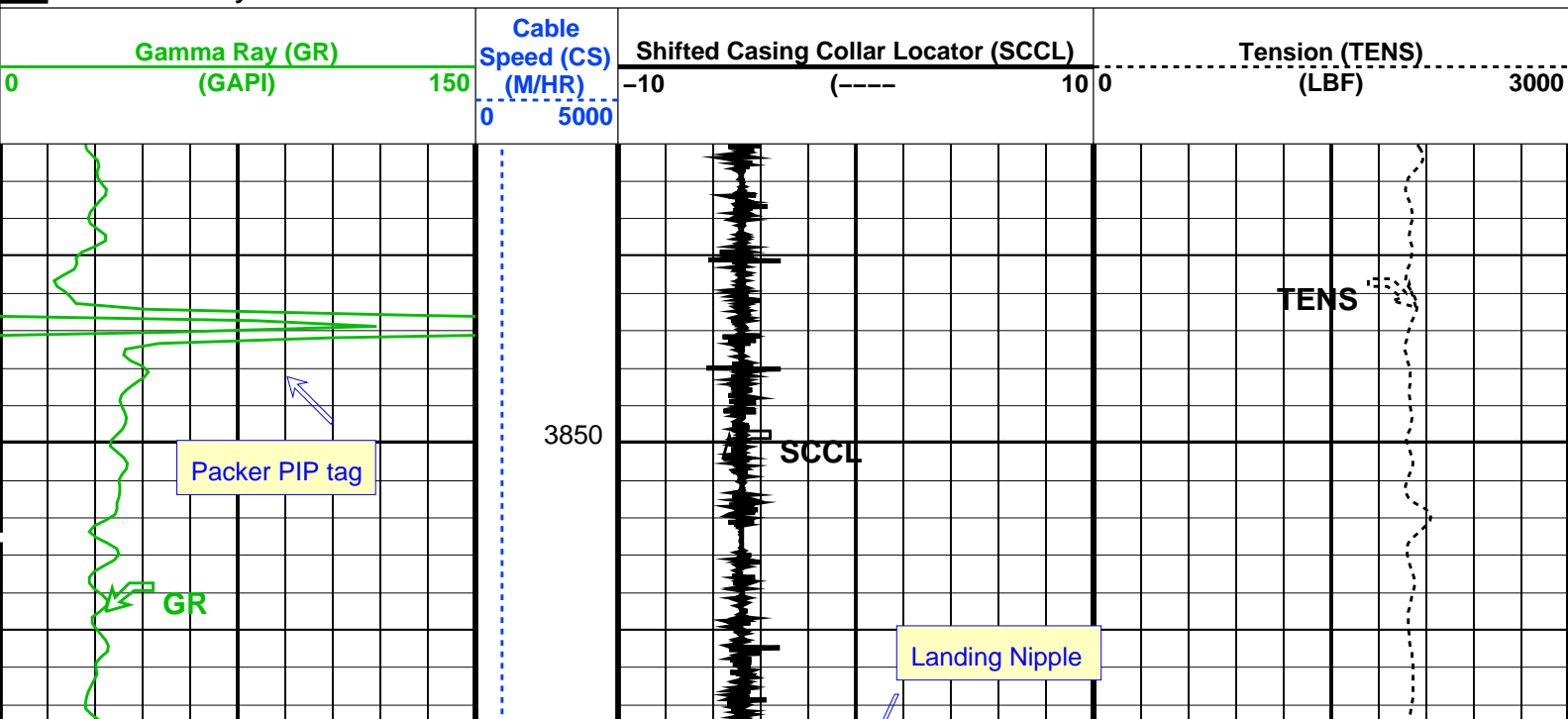
OP System Version: 15C0-309

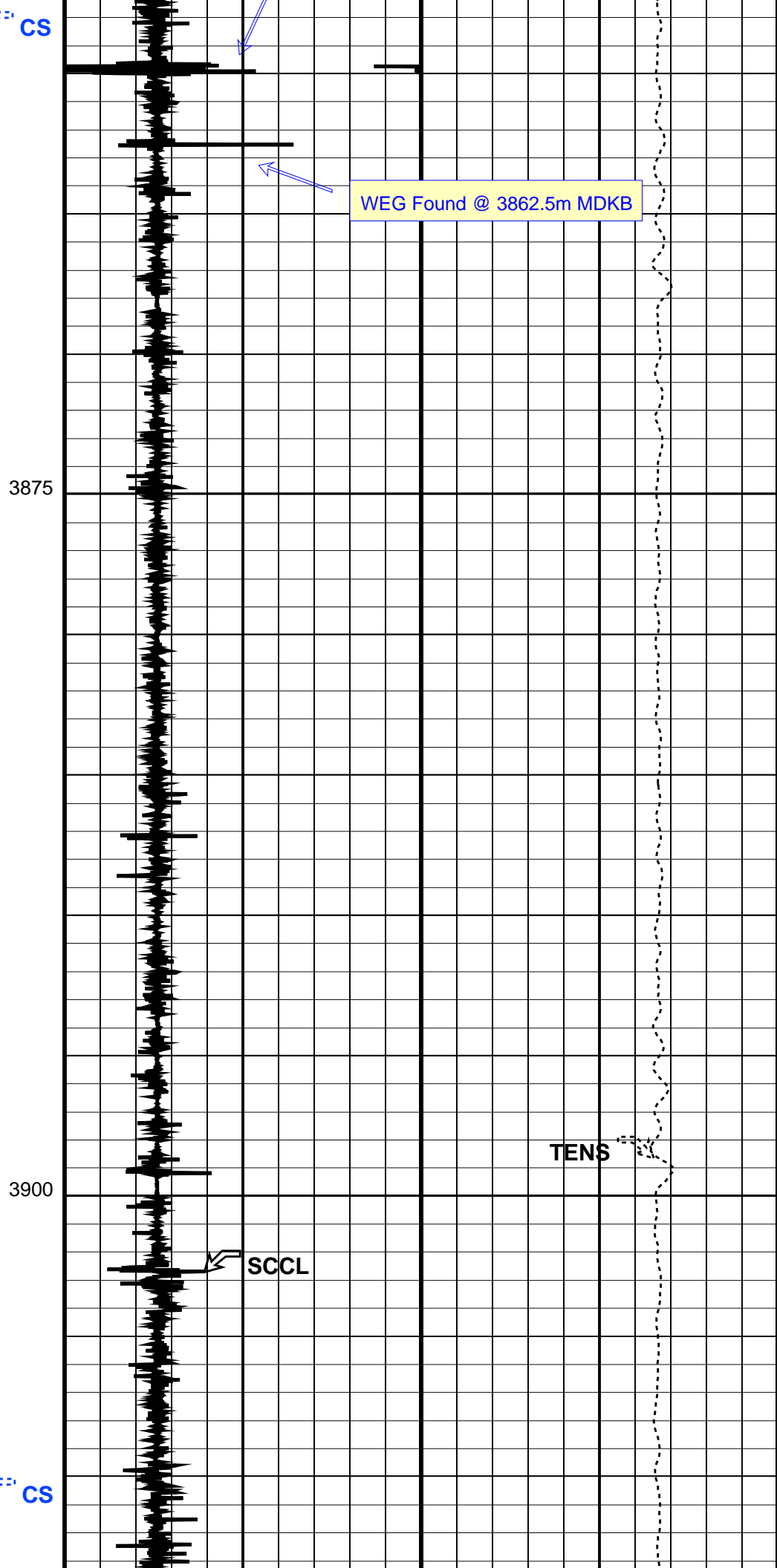
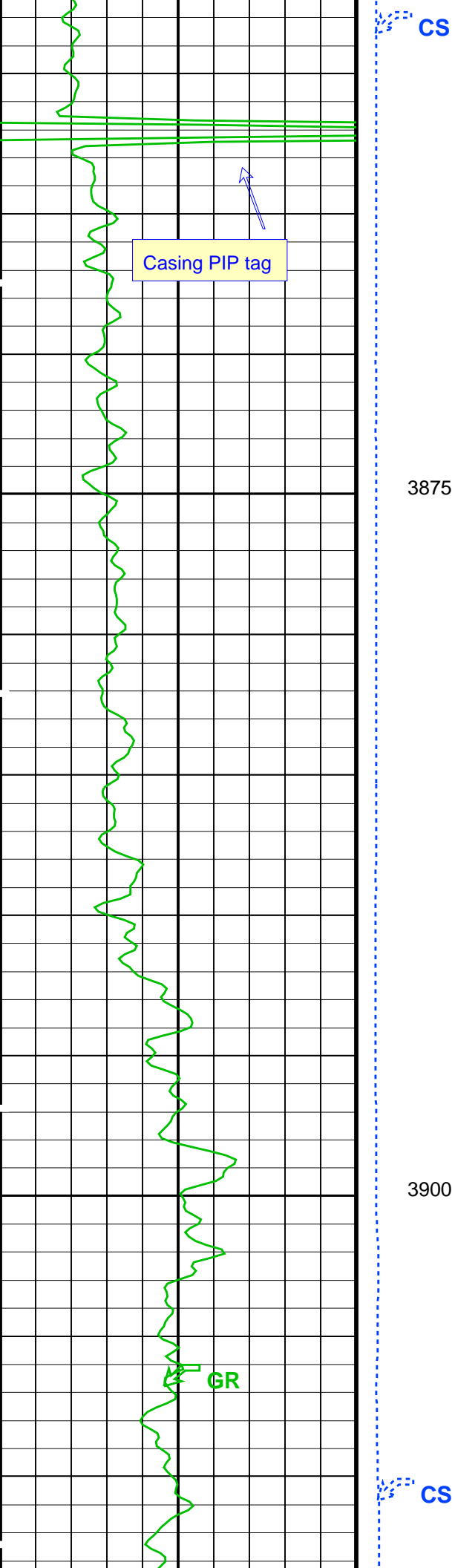
MCM

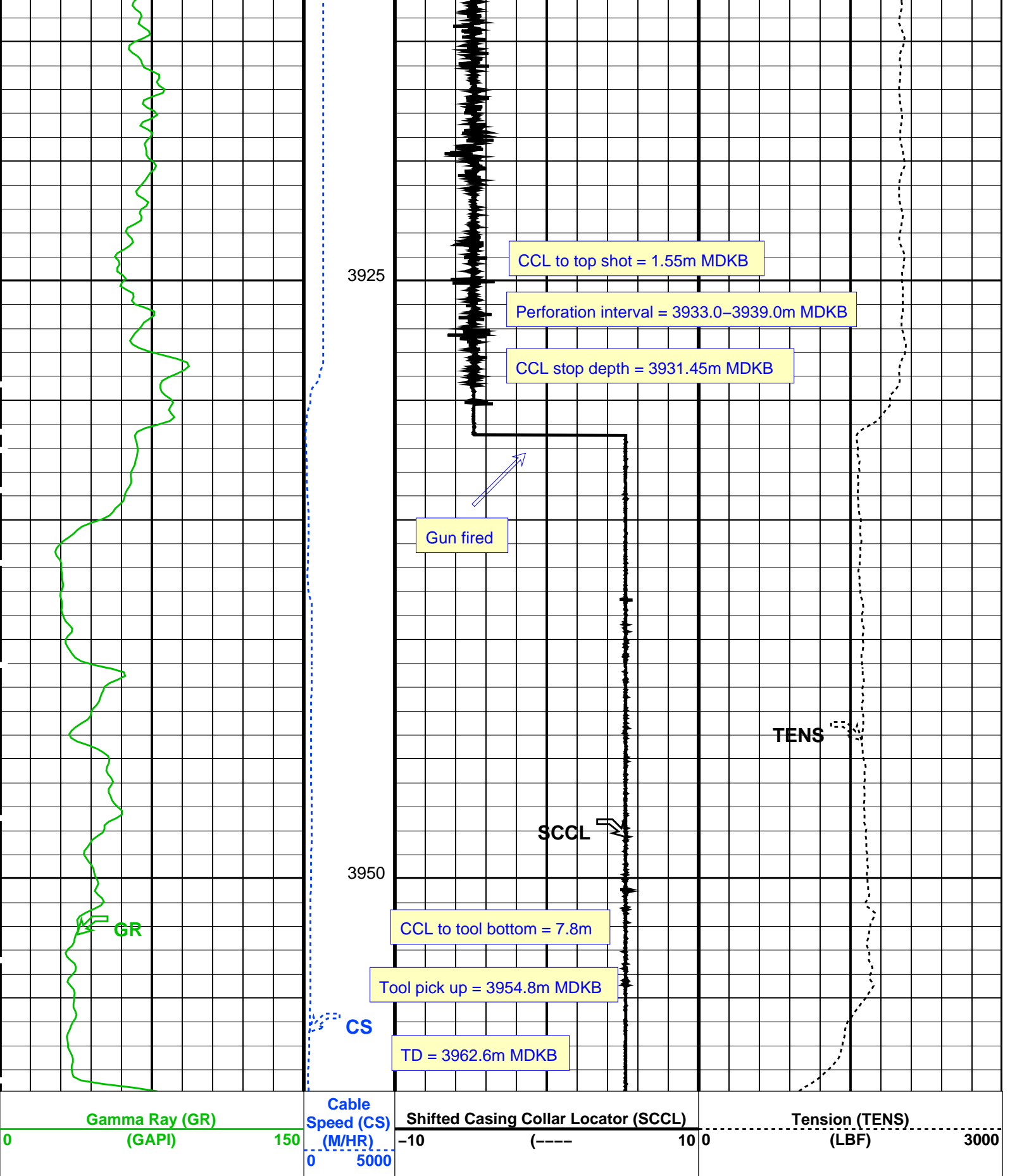
SHM_GUN	15C0-309	PGGT-C	15C0-309
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PIP SUMMARY

Time Mark Every 60 S







PIP SUMMARY

Time Mark Every 60 S

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 19-Jan-2008 10:19

OP System Version: 15C0-309
MCM

Output DLIS Files

DEFAULT

PERFO_068LUP

FN:67

PRODUCER

19-Jan-2008 10:18

Schlumberger

2" HSD Gun Correlation Log

MAXIS Field Log

Company: Esso Australia Pty Ltd

Well: FTA A29a

Input DLIS Files

DEFAULT

PERFO_022LUP

FN:21

PRODUCER

17-Jan-2008 12:51

3960.9 M

3832.9 M

Output DLIS Files

DEFAULT

PERFO_041PUP

FN:40

PRODUCER

18-Jan-2008 16:54

3960.0 M

3832.4 M

OP System Version: 15C0-309

MCM

SHM_GUN

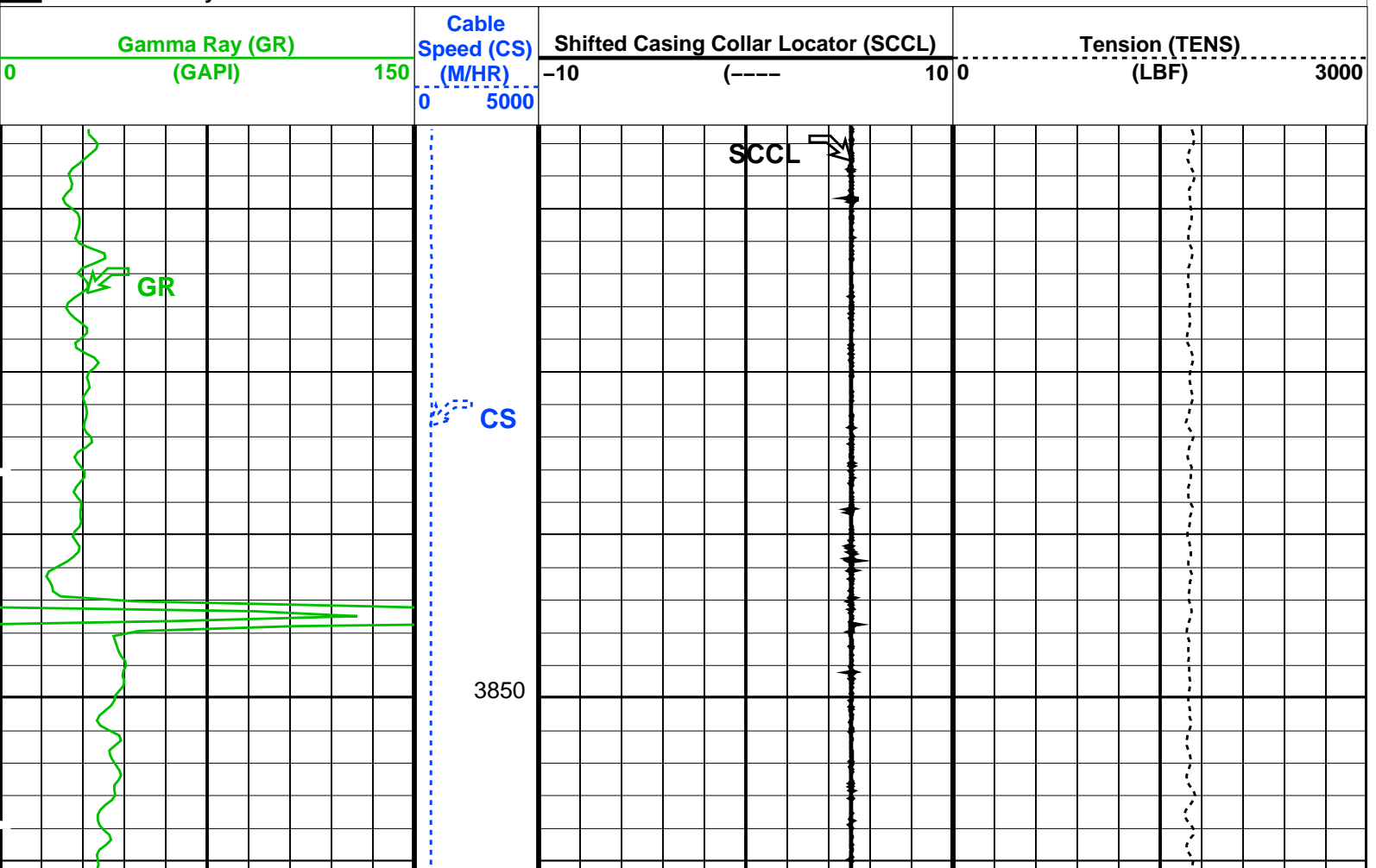
15C0-309

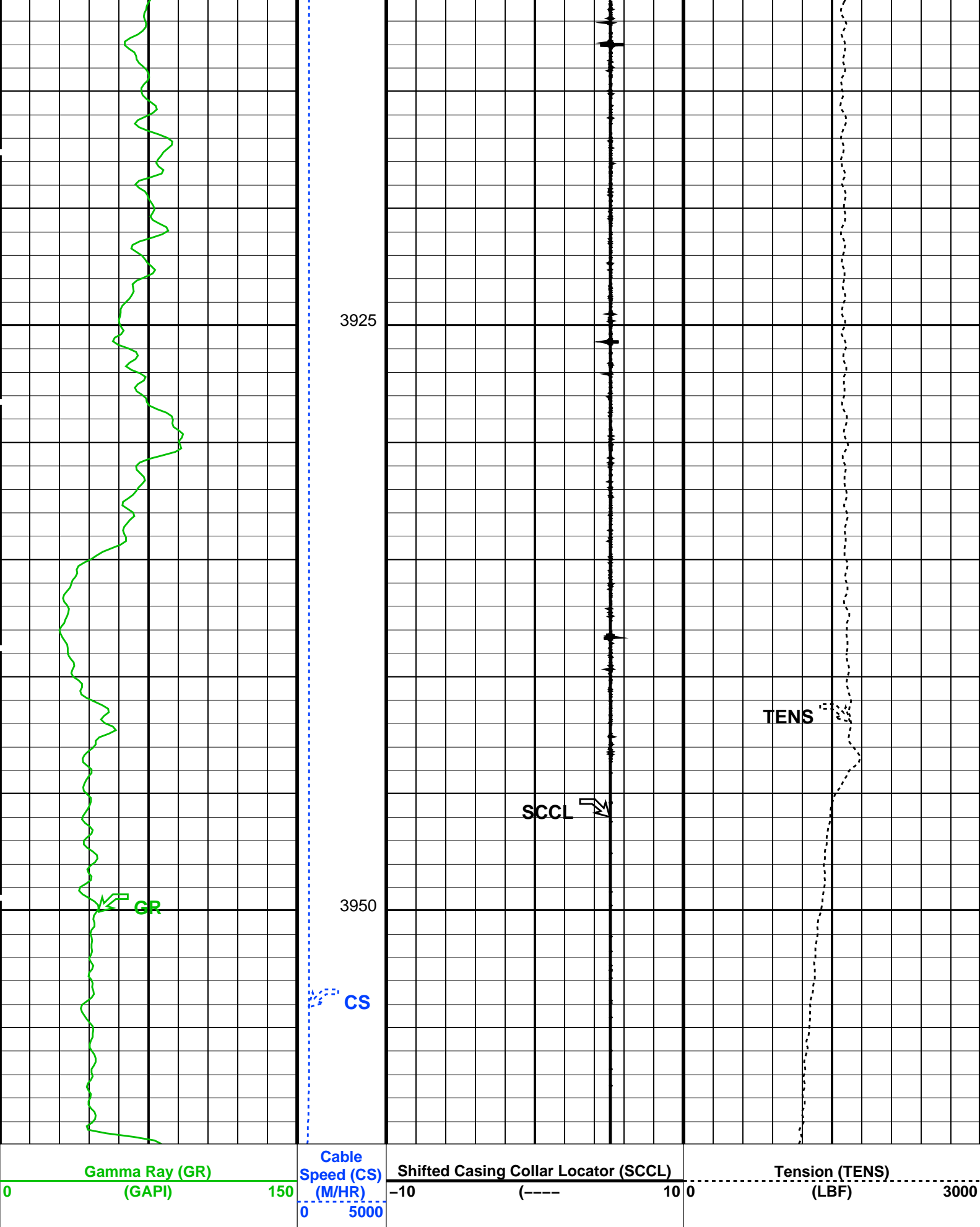
PGGT-C

15C0-309

PIP SUMMARY

Time Mark Every 60 S






PIP SUMMARY

Time Mark Every 60 S

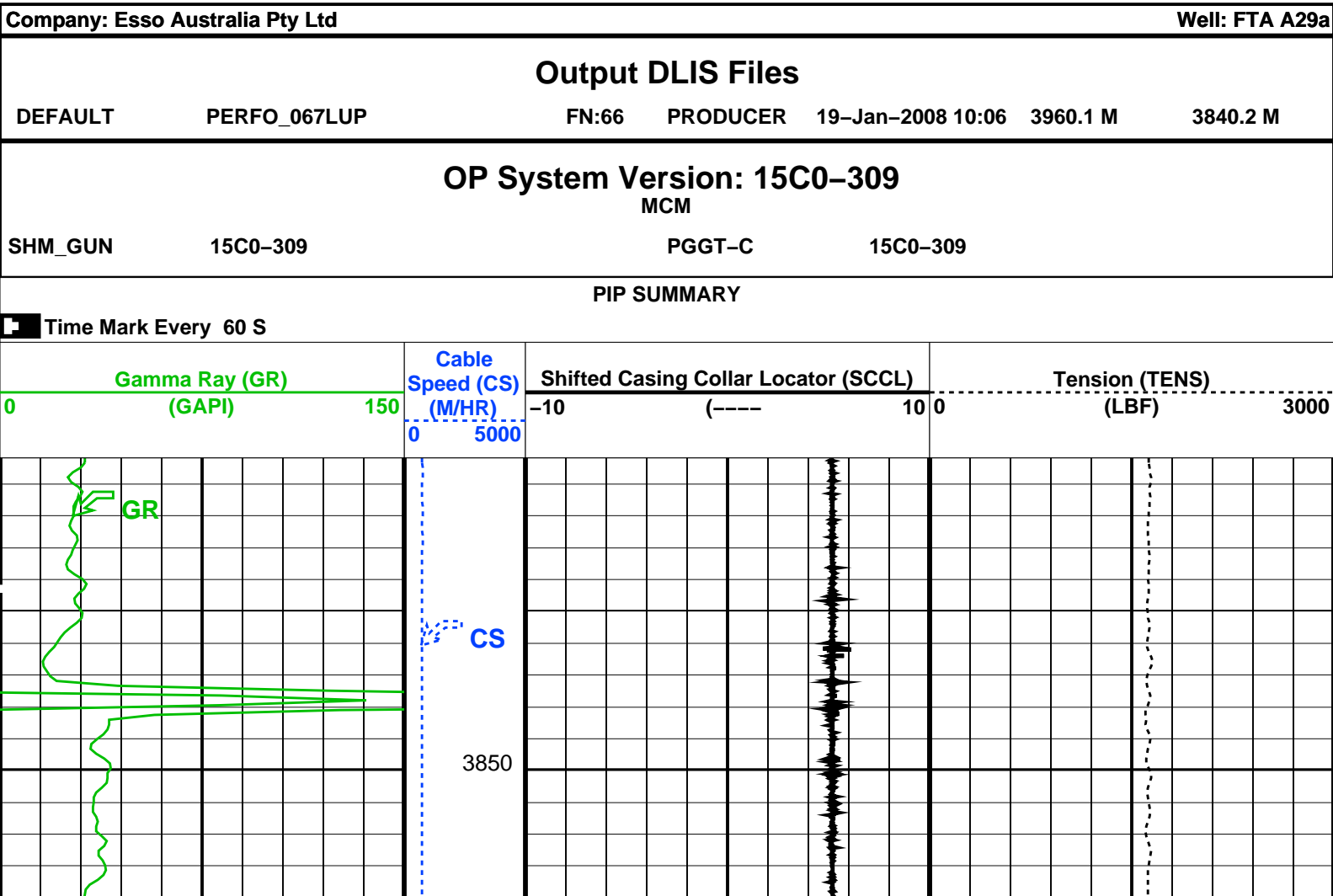
DLIS Name		Description		Value	
System and Miscellaneous					
DO		Depth Offset for Playback		-0.9	M
PP		Playback Processing		NORMAL	
Format: PERFO		Vertical Scale: 1:200		Graphics File Created: 18-Jan-2008 16:54	
OP System Version: 15C0-309					
MCM					
SHM_GUN	15C0-309	PGGT-C		15C0-309	
Input DLIS Files					
DEFAULT	PERFO_022LUP	FN:21	PRODUCER	17-Jan-2008 12:51	3960.9 M 3832.9 M
Output DLIS Files					
DEFAULT	PERFO_041PUP	FN:40	PRODUCER	18-Jan-2008 16:54	

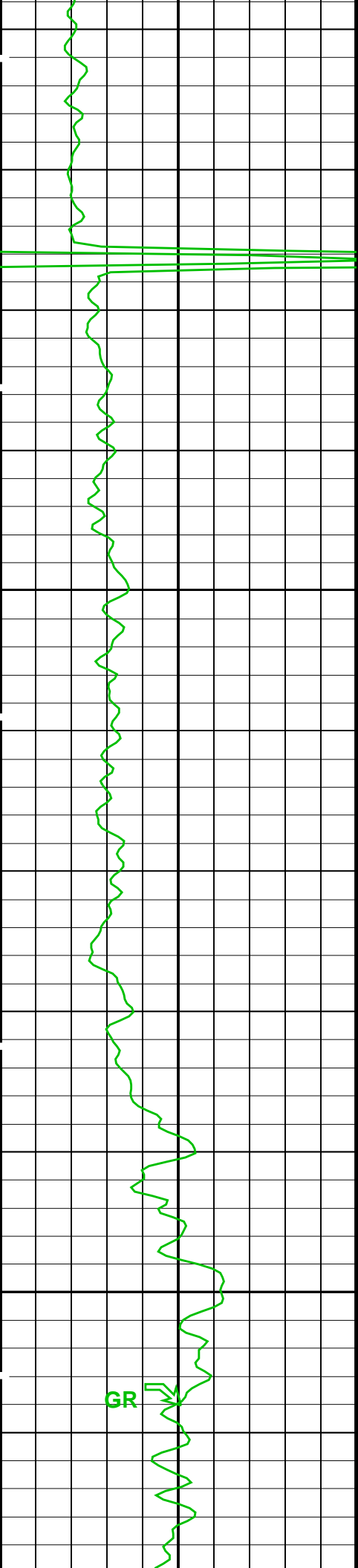


2" HSD Drift Run

Correlation Log

MAXIS Field Log



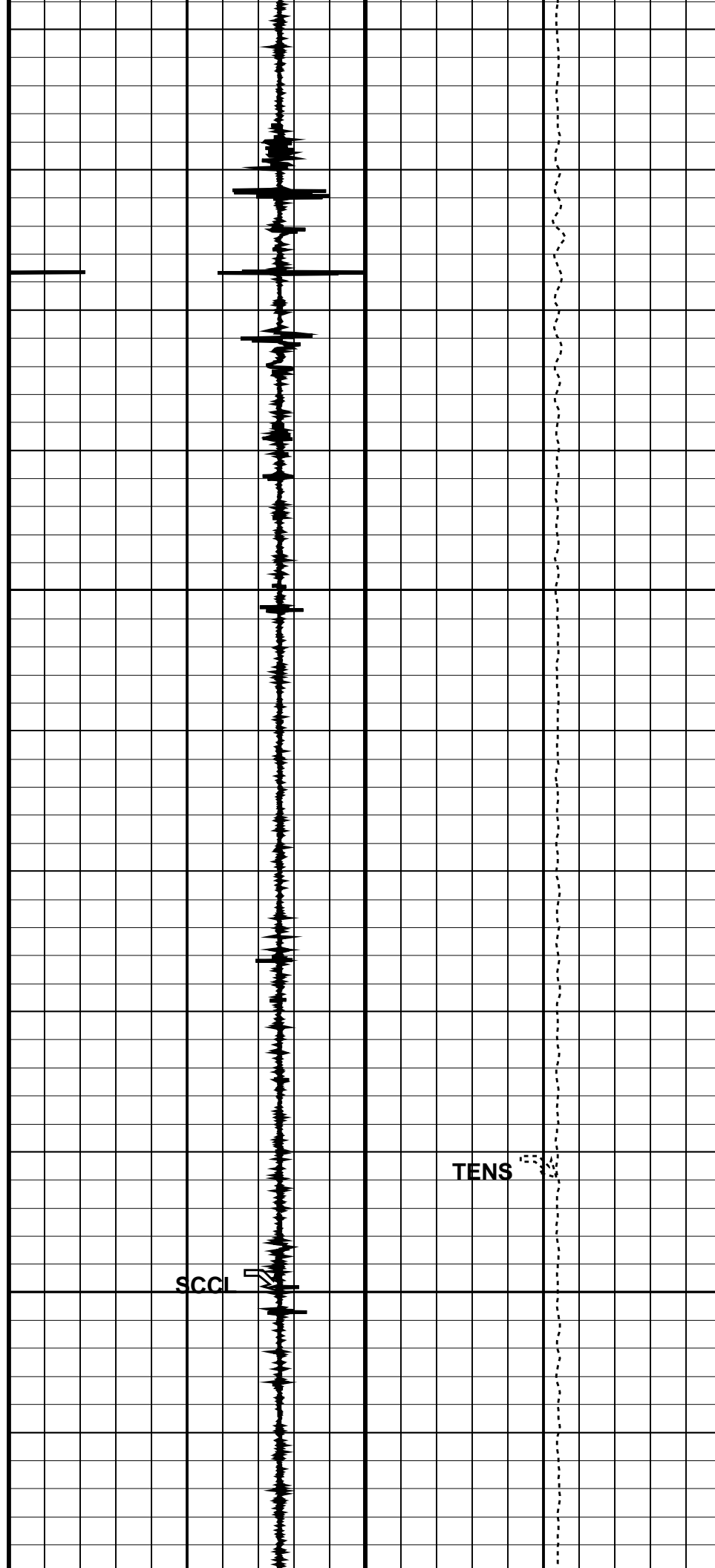


3875

3900

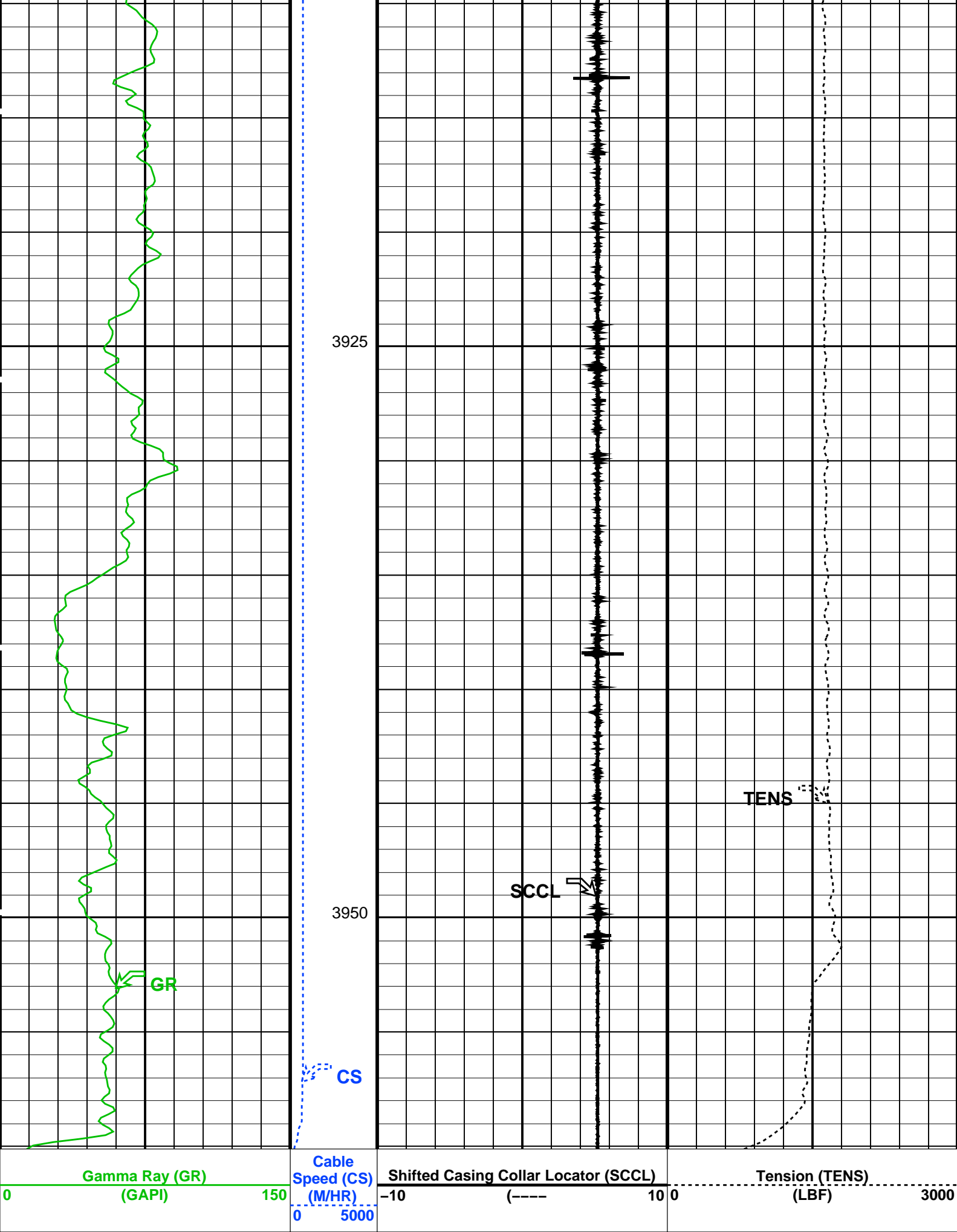
GR

CS



TENS

SCCI



Format: PERFO		Vertical Scale: 1:200		Graphics File Created: 19-Jan-2008 10:06	
OP System Version: 15C0-309					
MCM					
SHM_GUN	15C0-309		PGGT-C		15C0-309
Output DLIS Files					
DEFAULT	PERFO_067LUP	FN:66	PRODUCER	19-Jan-2008 10:06	
Company: Esso Australia Pty Ltd					
Well: FTA A29a					
Field: Bass Strait					
Platform: Fortescue					
Country: Australia					
Schlumberger					
2" HSD Gun					
Perforating Record					