

Company: Esso Australia Ltd.

Well: WKF W-31a

Field: West Kingfish

Rig: Prod 3/Rig 453

Country: Australia

Prod 3/Rig 453

West Kingfish

Gipplsand

WKF W-31a

Esso Australia Ltd.

MAXR 4.5" HSD

GR-CCL

MAXIS Operating System

Gipplsand

Basin

Bass Strait

Elev.: R.T. 33.4 m

G.L. -76.13 m

D.F. 33.4 m

Permanent Datum: \_\_\_\_\_

Log Measured From: \_\_\_\_\_

Drilling Measured From: \_\_\_\_\_

Mean Sea Level \_\_\_\_\_

Rotary Table \_\_\_\_\_

Rotary Table \_\_\_\_\_

Elev.: 0 m \_\_\_\_\_

33.4 m above Perm. Datum

State: Victoria

Max. Well Deviation 59 deg

Longitude 148°06'19.408"E

Latitude 38°35'34.800"S

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	59 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	13-Jul-2006		
Run Number	1		
Depth Driller	3417 m		
Schlumberger Depth	3382.3 m		
Bottom Log Interval	3353 m		
Top Log Interval	3350 m		
Casing Fluid Type	Brine		
Salinity			
Density	1.02 g/cm3		
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	8.500 in		
From	1300 m		
To	3450 m		
Casing/Tubing Size	7.000 in		
Weight	26 lbm/ft		
Grade	L-80		
From	11 m		
To	3450 m		
Maximum Recorded Temperatures			
Logger On Bottom	13-Jul-2006	6:19	
Unit Number	41	AUSL	
Recorded By	Omar Tahmiscic		
Witnessed By	Glen Campbell, Cory Stead		

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			

Run 4

Date Created: 13-JUL-2006 10:19:28

## Logging Cable

Type:	7-46ZV-XS
Serial Number:	76075
Length:	7315.20 M
Conveyance Method:	Wireline
Rig Type:	Offshore Fixed

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	DUAL LATEROLOG-GR, DENSITY NEUTRON (by Precision)
Reference Log Run Number:	ONE
Reference Log Date:	6-Jul-2006
Subsequent Trip Down Log Correction:	4.50 M

1. All Schlumberger Depth Control Policies followed.
2. IDW used as Primary Depth Control.
3. Z-Chart used as Secondary Depth Control.
4. GR response used for correlation.
5. Correlation log provided by Esso.
6. Correlation log incorrectly dated as 6-May-2006 (actual date is 6-Jul-2006)

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.

OS5:



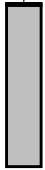


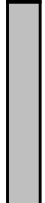
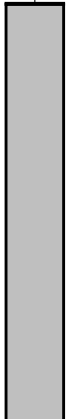
REMARKS: RUN NUMBER 2

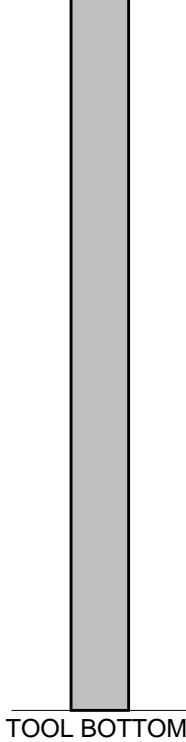
Note: reference log was actually logged on 6-Jul-2006

CCL to MAXR Top Shot = 11.8m
MAXR Top Shot at 3350m MDRT
MAXR Bottom Shot at 3353m MDRT
CCL Stop Depth = 3338.2m MDRT

RUN 1			RUN 2		
SERVICE ORDER #:		L0501G655	SERVICE ORDER #:		
PROGRAM VERSION:		14C0-302	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

SURFACE EQUIPMENT			
DOWNHOLE EQUIPMENT			
PEH-A PEH-A 30			17.55
AH-64 AH-64 2926			17.00
PGGT-D PGGC PGGH-D 227	Gamma Ray  CCL Casin Tension		16.59 1.07 TOOL ZERO
AH-285			14.81
AH-Firing Head			14.68
AH-CPST AH-CPST 495			14.60
SHM_GUN GUN			12.36



TOOL BOTTOM

MAXIMUM STRING DIAMETER 6.00 IN  
MEASUREMENTS RELATIVE TO TOOL ZERO  
ALL LENGTHS IN METERS

12/7/2006

Client: Esso Australia Ltd.

Drawing Date:

Well: WKF W-31a

Rig Name: # 453

Reference Datum: Mean Sea Level

State: Victoria

Elevation:	33.4	m
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Production String	(in) (m)			Well Schematic				(m) (in)			Casing String
	OD	ID	MD					MD	OD	ID	
									13.375 7.000		Casing String Casing String
								1300.0	13.375		Casing Shoe

All depths as per  
WKF W-31a  
Well Schematic  
(07/07/2006)

Bridge Plug

7.000

0.000

3420.0



3450.0

7.000

Casing Shoe

Schlumberger

## Job Event Summary

MAXIS Field Log

### Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
Rig Up Started	13-Jul-2006 1:00		
Descent 1: GUN/PGGD			
Begin Descent	13-Jul-2006 2:00		
Initial descent to HUD. Client asked to POOH after determing HUD at 3382.3m MDRT.			
Log Pass (up)	13-Jul-2006 4:27 000:19	3370.3 – 3190.3	PERFO_038LUP
Pass to show HUD at 3382.3m MDRT.			
Descent 2: GUN/PGGD			

Begin Descent 13-Jul-2006 7:30  
Client decided to set MAXR anyways; RIH from 1,500m MDRT to continue operation.  
Log Pass (up) 13-Jul-2006 8:13 000:08 3363.9 - 3280.0 PERFO\_050LUP  
Correlation pass  
Log Pass (up) 13-Jul-2006 8:28 000:17 3361.9 - 3278.9 PERFO\_051LUP  
MAXR setting pass  
Rig Down Completed 13-Jul-2006 9:45

**Schlumberger**

## MAXR Setting Record 3350m - 3353m MDRT

MAXIS Field Log

### Output DLIS Files

DEFAULT PERFO\_051LUP FN:48 PRODUCER 13-Jul-2006 08:28 3361.9 M 3278.9 M

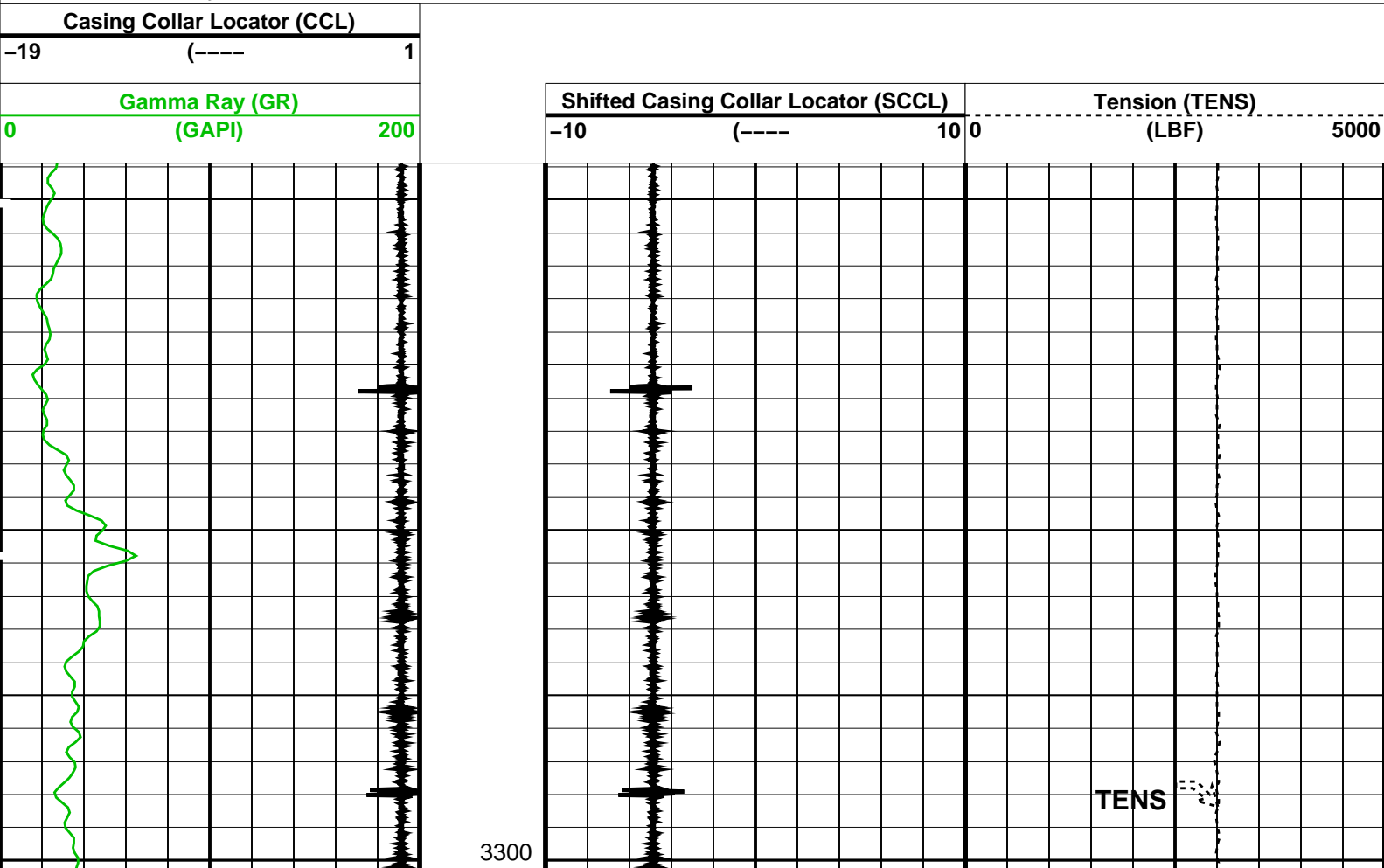
### OP System Version: 14C0-302

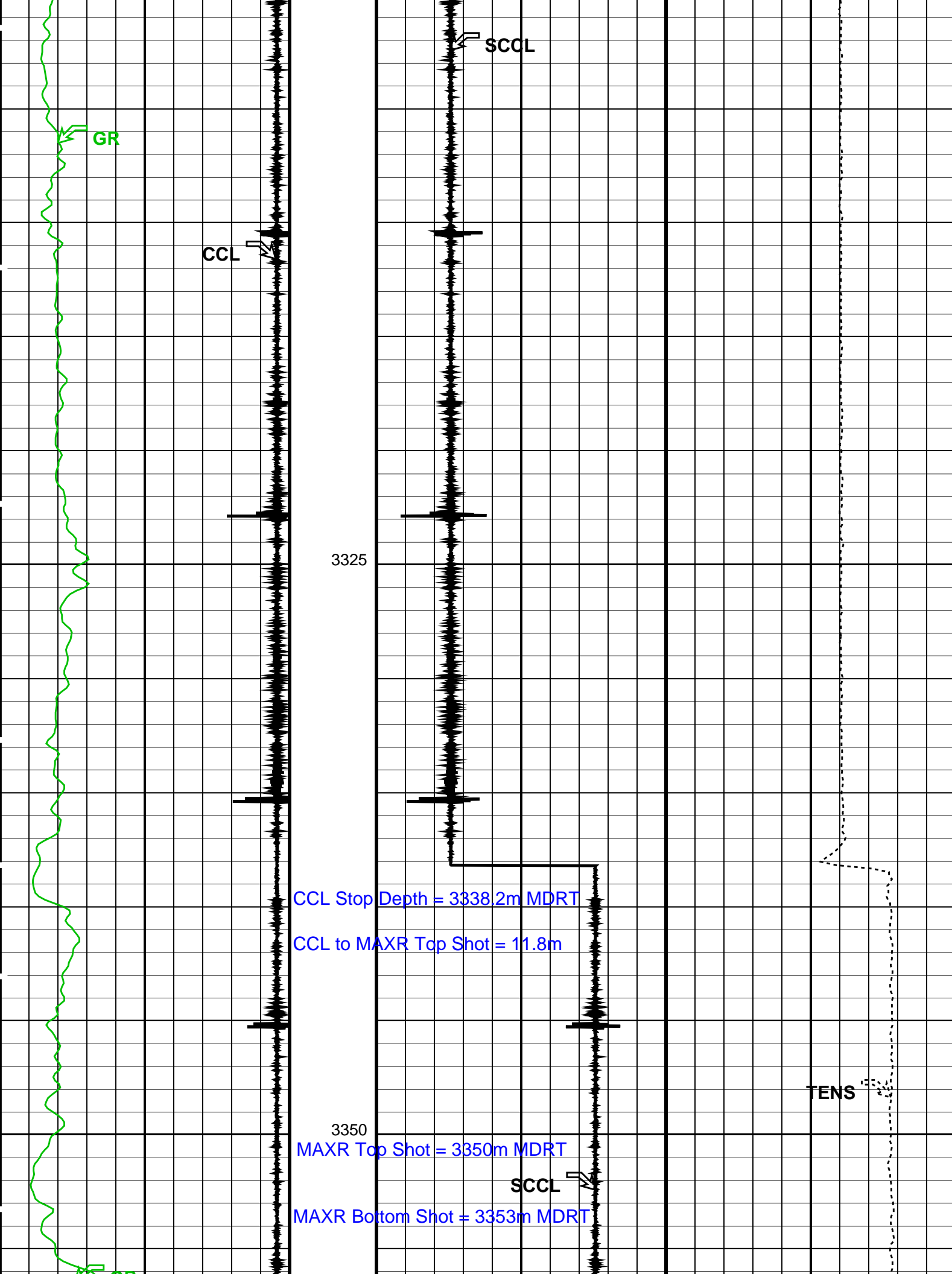
MCM

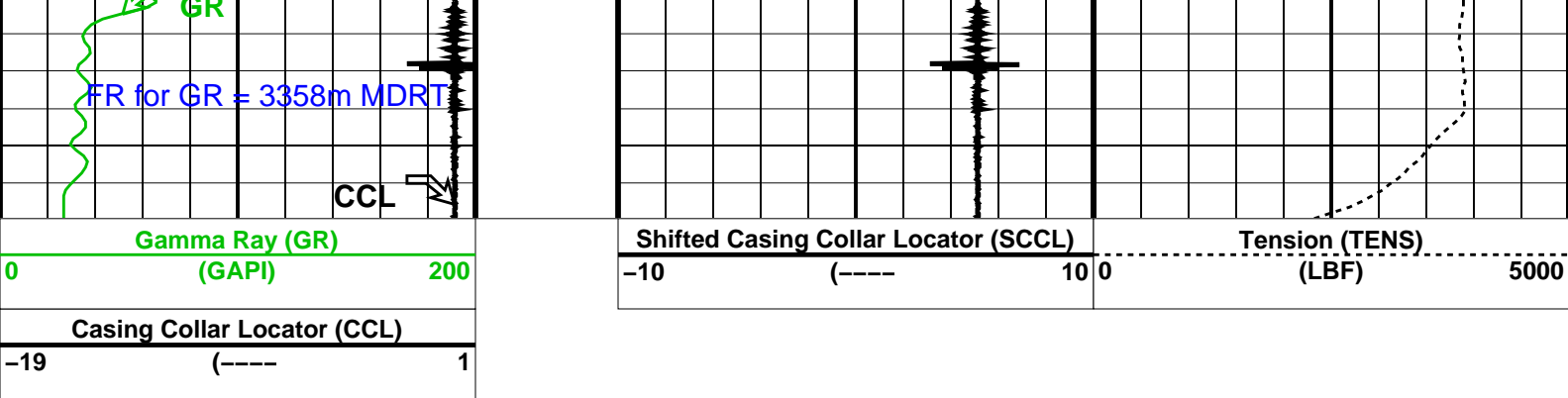
SHM\_GUN 14C0-302 PGGT-D 14C0-302

### PIP SUMMARY

Time Mark Every 60 S







PIP SUMMARY

Time Mark Every 60 S

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 13-Jul-2006 08:28

OP System Version: 14C0-302

MCM

SHM\_GUN

14C0-302

PGGT-D

14C0-302

Output DLIS Files

DEFAULT

PERFO\_051LUP

FN:48

PRODUCER

13-Jul-2006 08:28

Schlumberger

Correlation Log

MAXIS Field Log

Output DLIS Files

DEFAULT

PERFO\_050LUP

FN:47

PRODUCER

13-Jul-2006 08:13

3363.9 M

3280.0 M

OP System Version: 14C0-302

MCM

SHM\_GUN

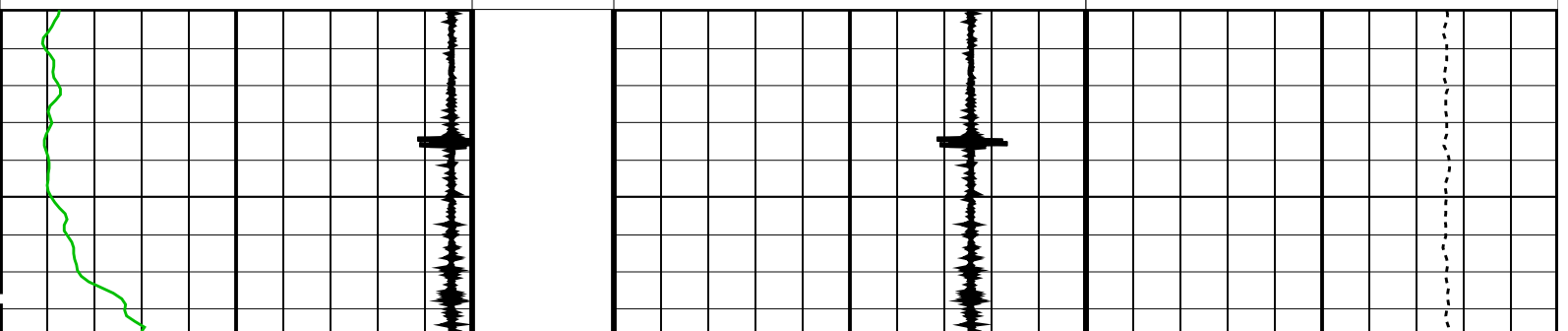
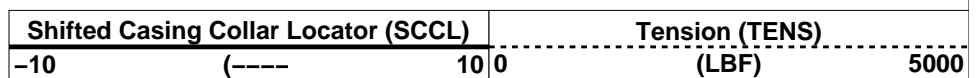
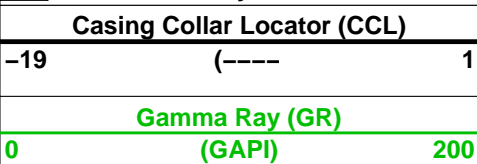
14C0-302

PGGT-D

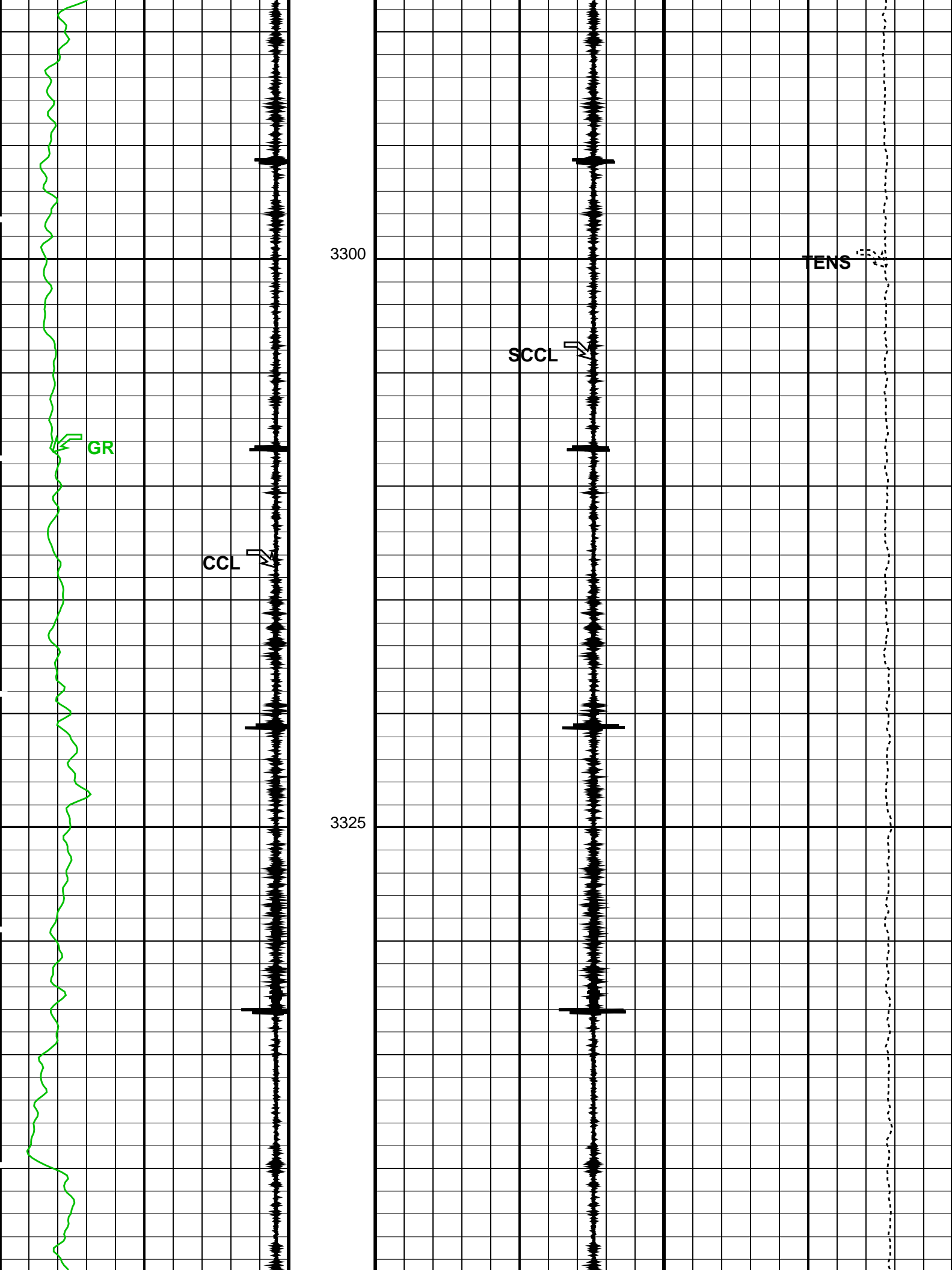
14C0-302

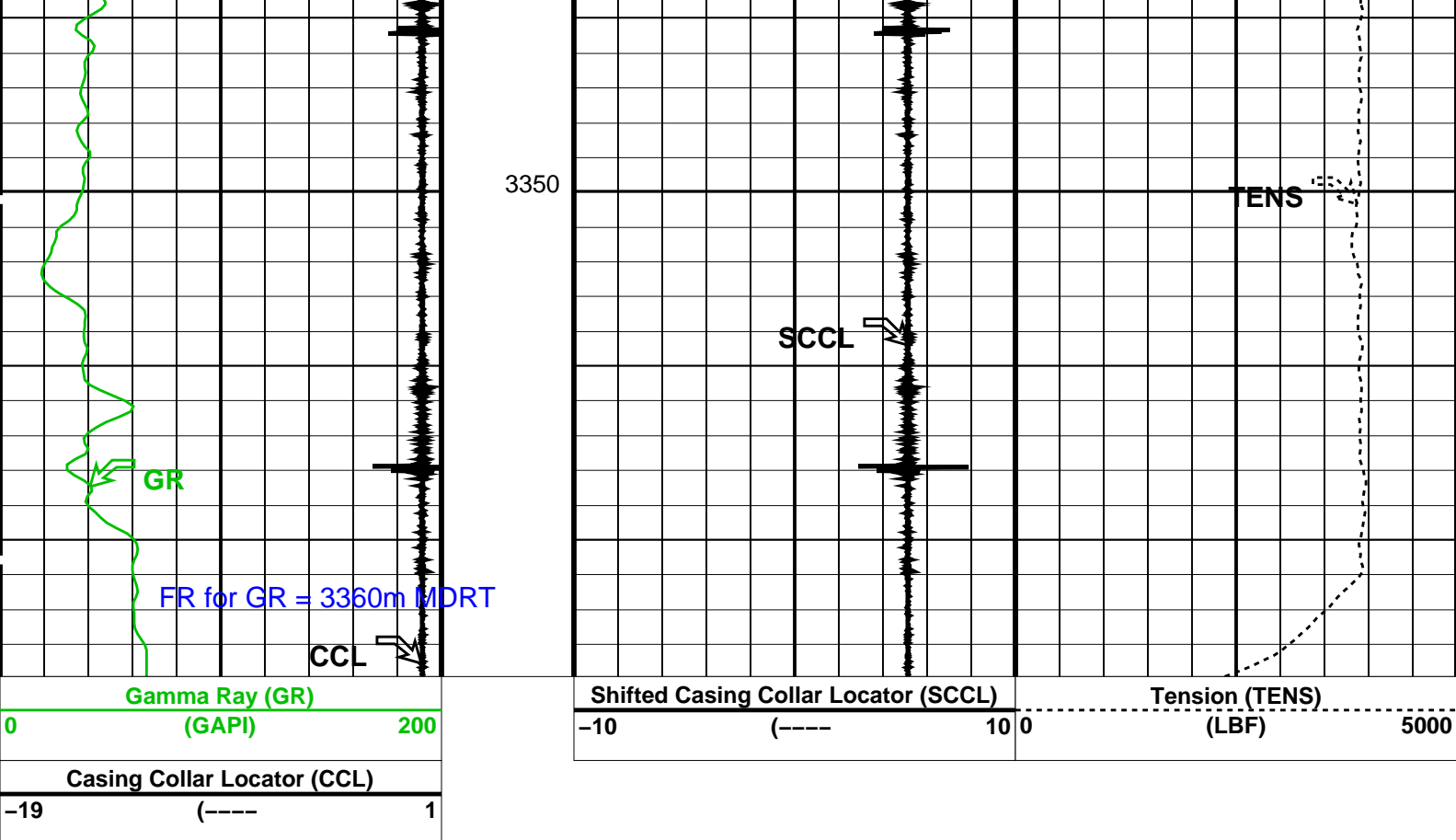
PIP SUMMARY

Time Mark Every 60 S









#### PIP SUMMARY

Time Mark Every 60 S

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 13-Jul-2006 08:13

### OP System Version: 14C0-302

MCM

SHM\_GUN 14C0-302 PGGT-D 14C0-302

### Output DLIS Files

DEFAULT PERFO\_050LUP FN:47 PRODUCER 13-Jul-2006 08:13

**Schlumberger**

**Total Depth Determination  
HUD = 3382.3m MDRT**

MAXIS Field Log

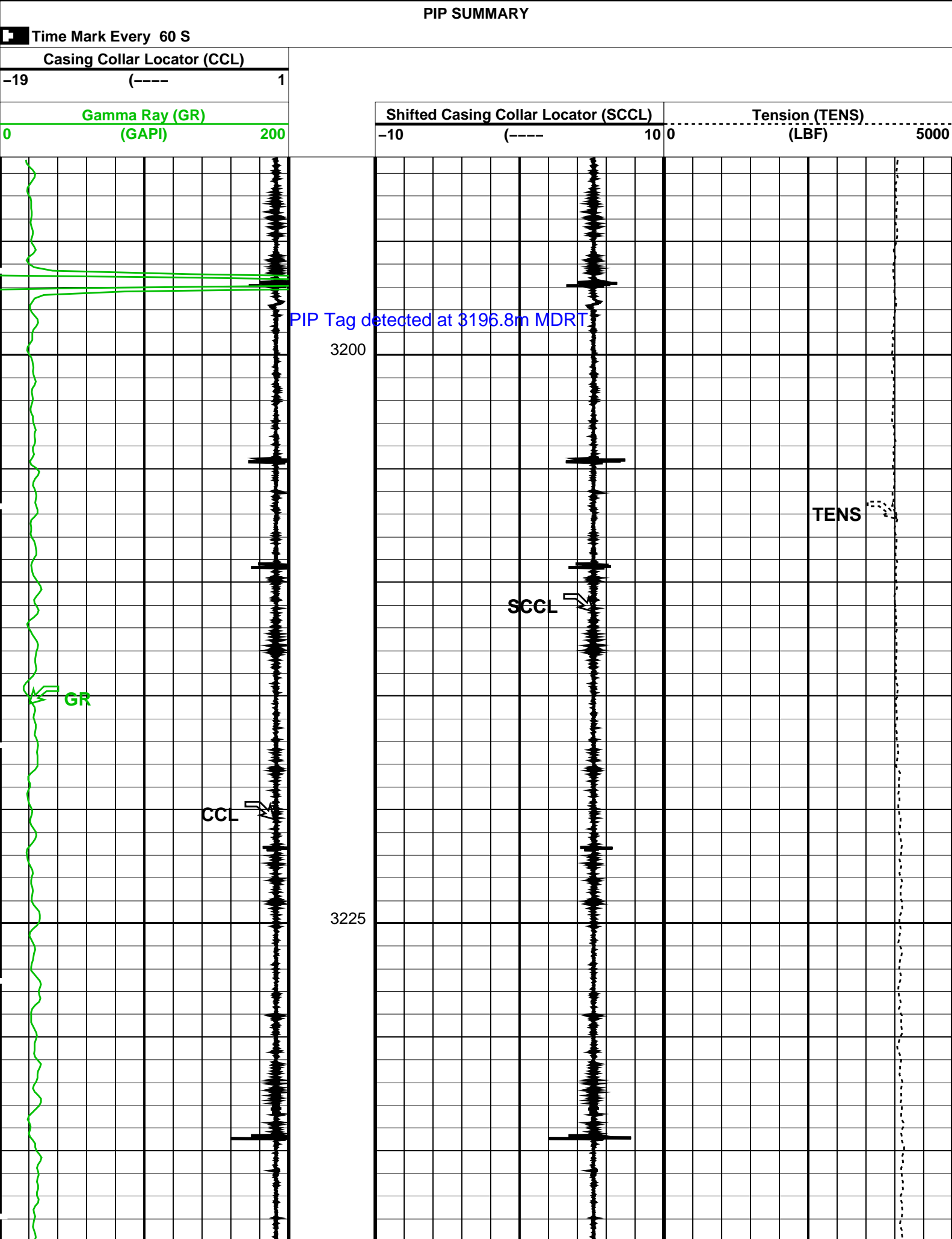
### Input DLIS Files

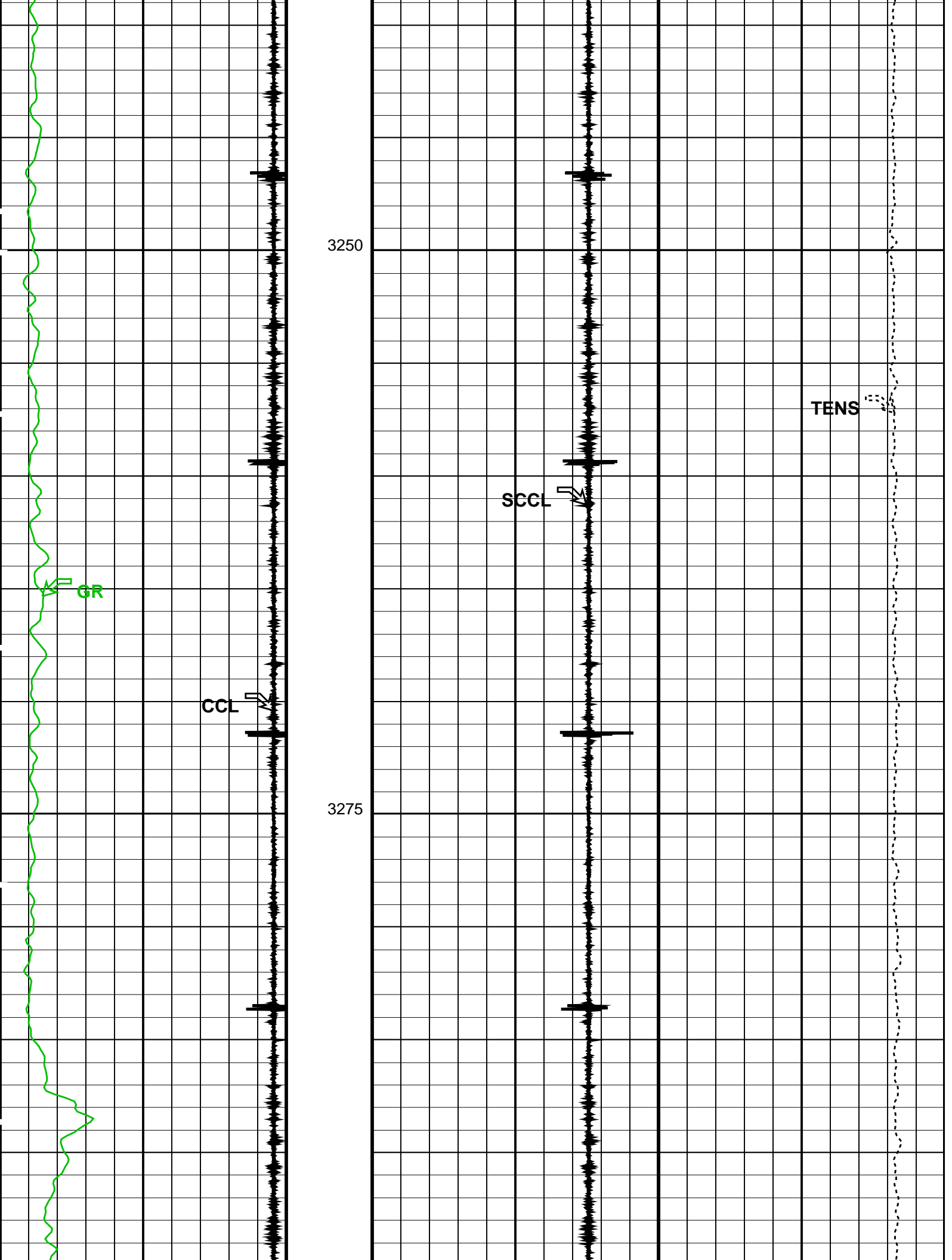
DEFAULT PERFO\_038LUP FN:35 PRODUCER 14-Jul-2006 15:26 3370.3 M 3190.3 M

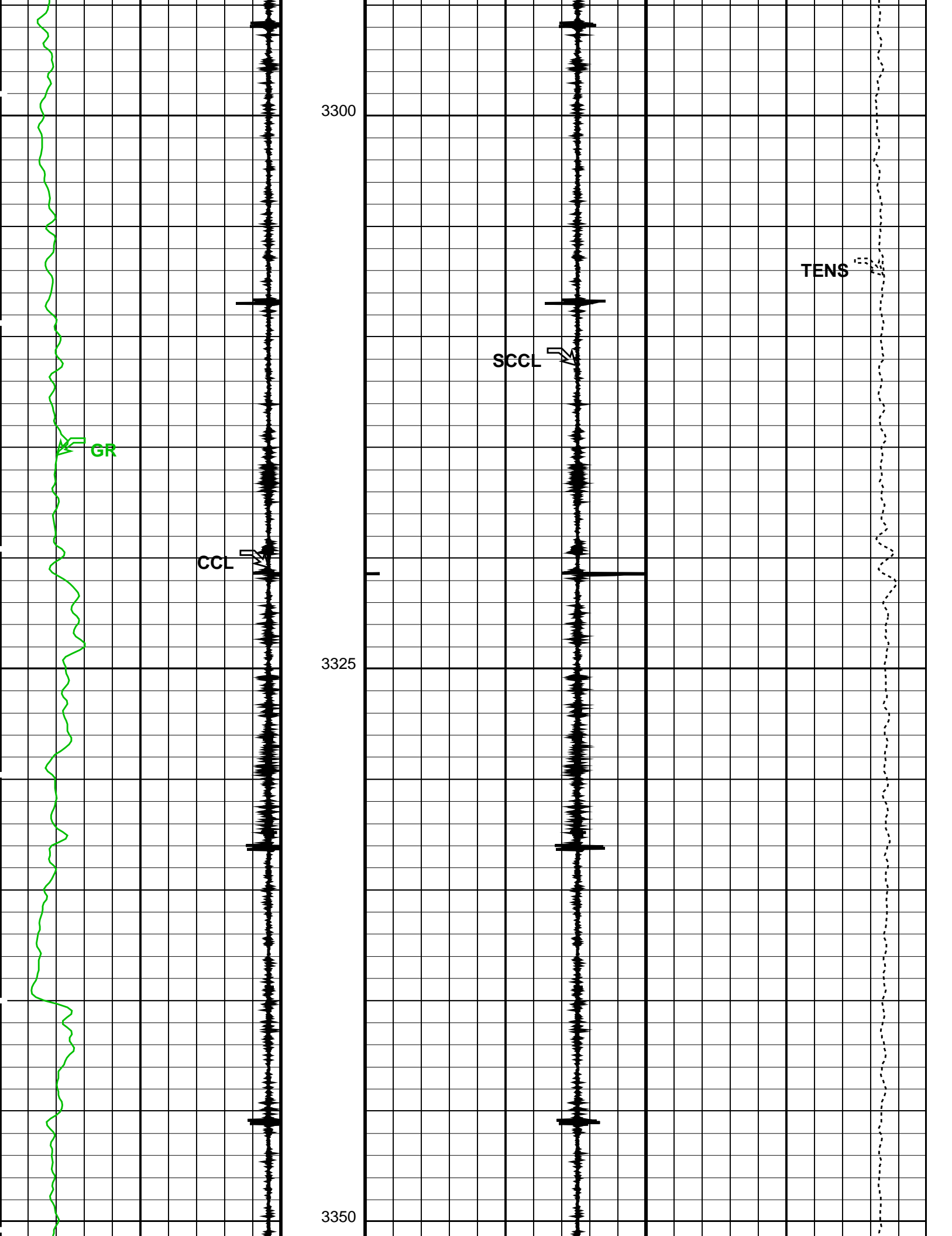
### Output DLIS Files

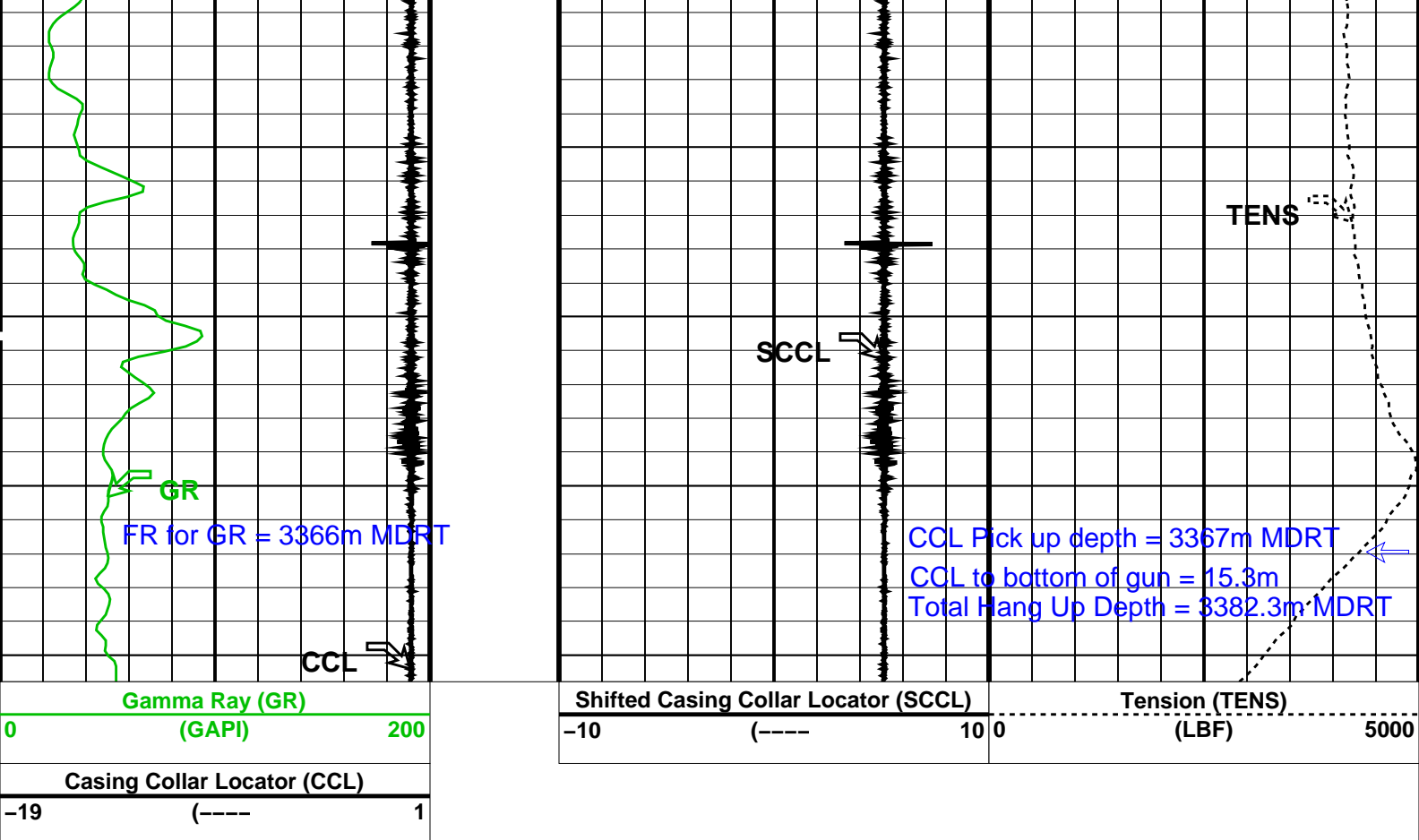
DEFAULT PERFO\_003PUP FN:2 PRODUCER 14-Jul-2006 15:57 3370.8 M 3191.3 M

**OP System Version: 14C0-302**  
MCM









#### PIP SUMMARY

Time Mark Every 60 S

#### Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	0.4 M
PP	Depth Offset for Playback Playback Processing	NORMAL

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 14-Jul-2006 15:57

#### OP System Version: 14C0-302

MCM

SHM_GUN	14C0-302	PGGT-D	14C0-302
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#### Input DLIS Files

DEFAULT	PERFO_038LUP	FN:35	PRODUCER	14-Jul-2006 15:26	3370.3 M	3190.3 M
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#### Output DLIS Files

DEFAULT	PERFO_003PUP	FN:2	PRODUCER	14-Jul-2006 15:57
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Company: Esso Australia Ltd.

**Schlumberger**

Well: WKF W-31a  
Field: West Kingfish  
Rig: Prod 3/Rig 453  
Country: Australia

MAXR 4.5" HSD  
GR-CCL

