

Company: Esso Australia Pty Ltd.

Well: Cobia A21a

Field: Cobia

Rig: RIG 175

Country: Australia

Junk Basket with 5.9" Gauge Ring
Max-R Setting Record

RIG 175
Cobia
Bass Strait
Cobia A21a
Esso Australia Pty Ltd.

LOCATION			
Bass Strait		Elev.: K.B. 40.99 m G.L. -79.00 m D.F. 40.99 m	
Permanent Datum:	GL	Elev.: 0.00 m	
Log Measured From:	RT	40.99 m	above Perm. Datum
Drilling Measured From:	RT		
State: Victoria	Max. Well Deviation 60 deg	Longitude 148°18'33.005"E	Latitude 038°26'57.568S

Logging Date	28-Mar-2009						
Run Number	1 & 2						
Depth Driller	2881 m						
Schlumberger Depth	3868.5 m						
Bottom Log Interval	3655.7 m						
Top Log Interval	3655.7 m						
Casing Fluid Type	Brine						
Salinity							
Density	8.55 g/cm3						
Fluid Level	0 m						
BIT/CASING/TUBING STRING							
Bit Size	8.500 in						
From	717 m						
To	3902 m						
Casing/Tubing Size	7.000 in						
Weight	26 lbm/ft						
Grade	L-80						
From	21 m						
To	3902 m						
Maximum Recorded Temperatures							
Logger On Bottom	28-Mar-2009		18:06				
Unit Number	Location						
Recorded By	3929	AUSL					
	O Darby , S Gilbert						
Witnessed By	D Daniels , M Culicutt						

PVT DATA			
Oil Density	Run 1	Run 2	F
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	60 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			
Unit Number	Location		
Recorded By			
Witnessed By			

Date Created: 29-MAR-2009 17:43:11

Logging Cable

Type:	7-46V XS
Serial Number:	708145
Length:	7315 M
Conveyance Method:	Wireline
Rig Type:	Offshore Fixed

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Cobia A21a
Reference Log Run Number:	Not supplied
Reference Log Date:	Not supplied
Subsequent Trip Down Log Correction:	

1. Log Correlated to Schlumberger LWD Log
2. IDW Used and Primary depth control .
3. Z Chart used as secondary depth control
4. All depths after Max-R setting are off depth due to the large amount of weight dropped
5. Casing tally information approximately -5.1m off depth – Comanpany DD is aware of this error
6. PIP tag depths are not correct as per program due to incorret casing tally dpeths

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 SERVICES2
OS1:
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 2

[illegible]

Casing Co
Tension

— TOOL ZERO

AH-4.5" HSD Gun
AH-4.5" HSD Gun

9.80

AH-283 5002
AH-283 5002

1.73

AH-Junk Basket
AH-Junk Basket

1.57

AH-6.2" Gauge Ring

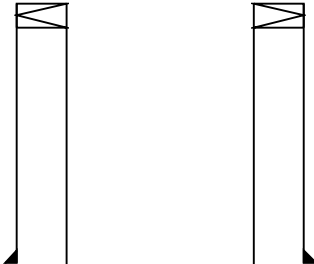
TOOL BOTTOM

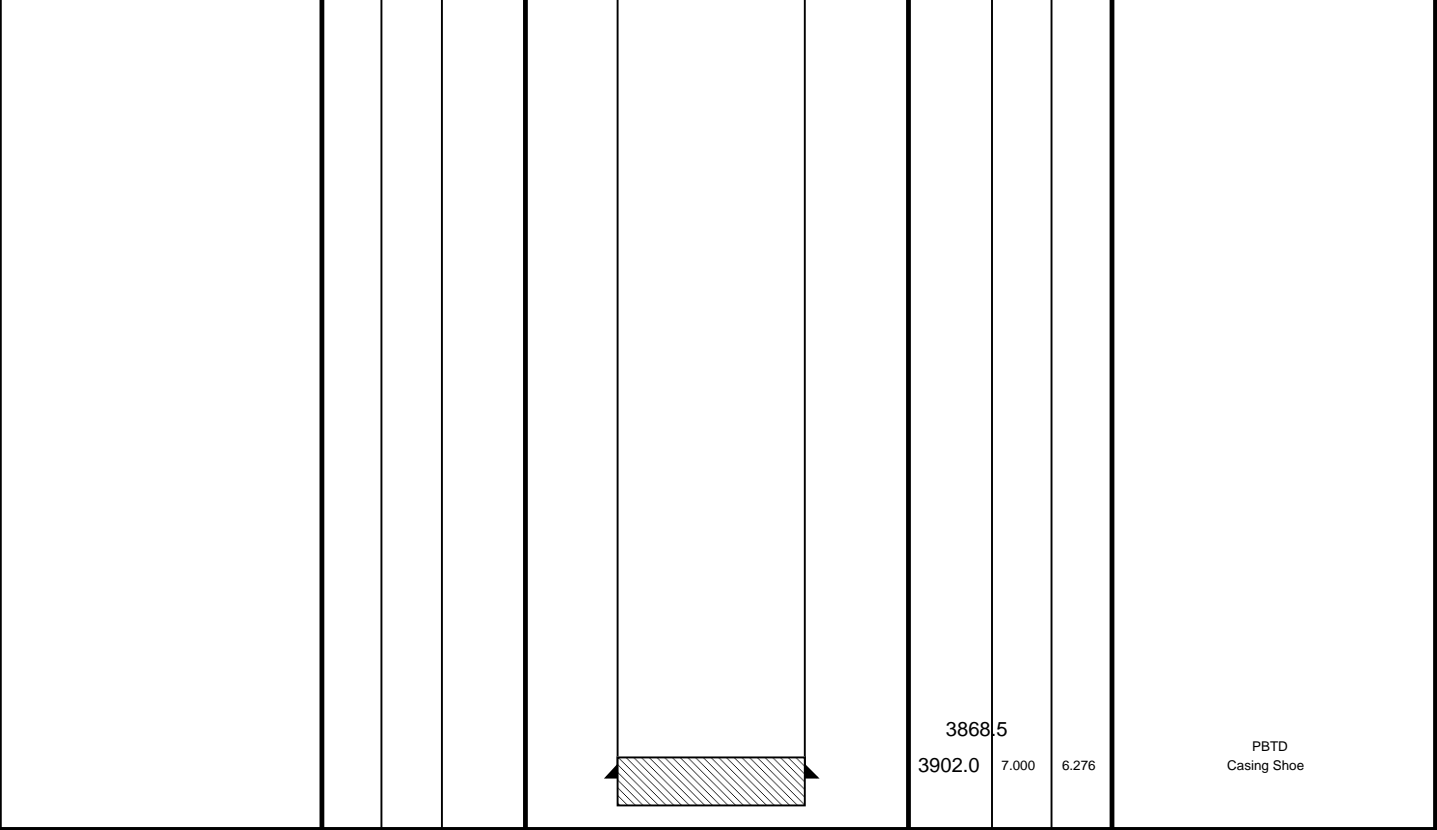
0.05

MAXIMUM STRING DIAMETER 6.20 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

TOOL BOTTOM

MAXIMUM STRING DIAMETER 5.75 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Production String	(in) (m)			Well Schematic	(m) (in)			Casing String
	OD	ID	MD		MD	OD	ID	
					21.0	10.000	6.276	Casing String Liner Hanger
					21.0	10.750	7.000	
					637.0	10.750		Casing Shoe



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Simulated Log	28-Mar-2009 11:25	000:08		PERFO_009LUP
Hot checked toolstring for Junk Basket run				
Log Pass (down)	28-Mar-2009 16:15	001:08	-0.9 - 3830.1	PERFO_013LDP
RIH with Junk basket				
Log Pass (up)	28-Mar-2009 17:36	000:17	3879.2 - 3615.7	PERFO_018LUP
Correlation log Junk Basket				
Log Pass (up)	28-Mar-2009 18:05	001:04	3141.6 - -14.5	PERFO_019LUP
POOH with Junk Basket				
Simulated Log	29-Mar-2009 12:48	000:16		PLUG_PERFO_025LUP
Hot checked toolstring for Max-R run				
Log Pass (down)	29-Mar-2009 14:15	001:20	343.2 - 3731.1	PLUG_PERFO_027LDP
RIH with Max-R toolstring				
Log Pass (up)	29-Mar-2009 15:58	000:07	3717.6 - 3645.7	PLUG_PERFO_033LUP
Correlation pass for Max-R setting				

Log Pass (up) 29-Mar-2009 16:20 000:29 3718.1 - 3621.2 PLUG_PERFO_034LUP
Setting pass for Max-R
Log Pass (up) 29-Mar-2009 16:56 000:31 3379.2 - 1704.7 PLUG_PERFO_035LUP
POOH for Max-R setting run

Schlumberger

Max-R Setting Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: Cobia A21a

Output DLIS Files

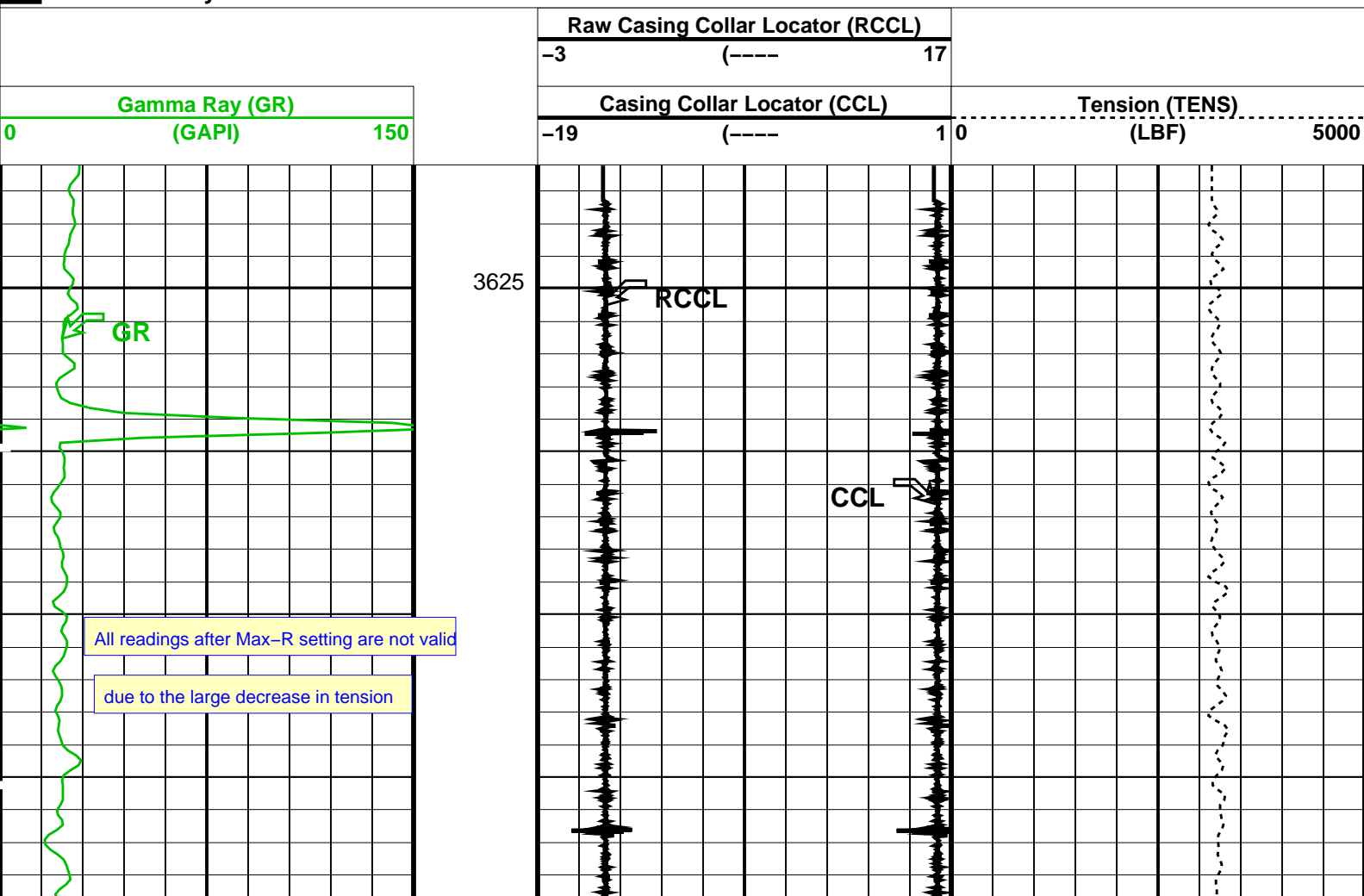
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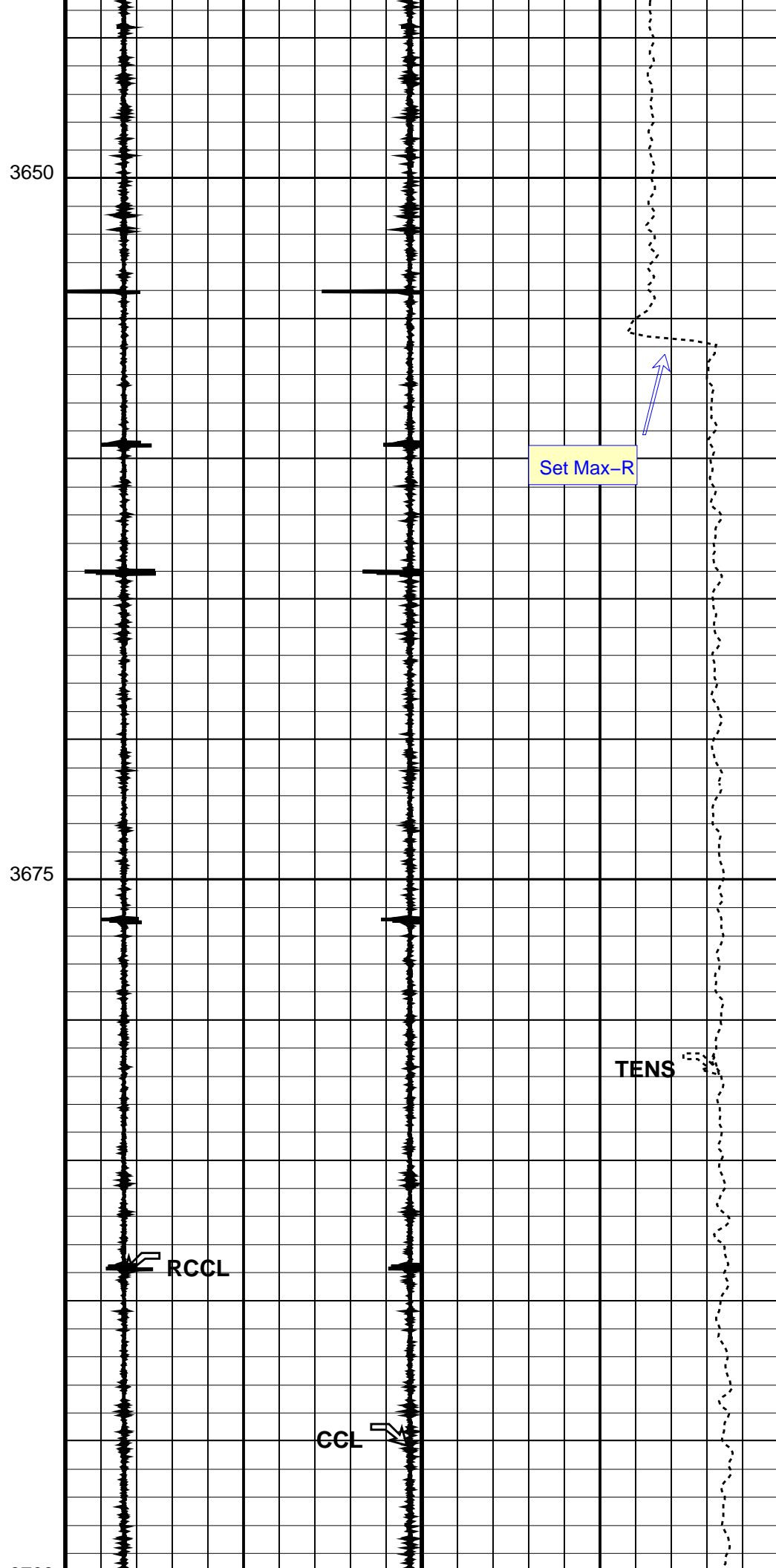
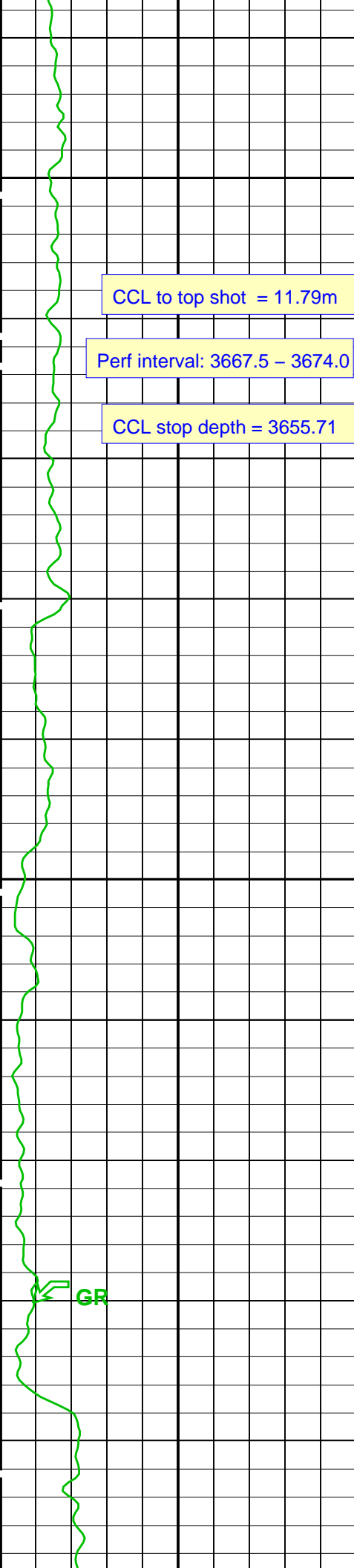
OP System Version: 17C0-154

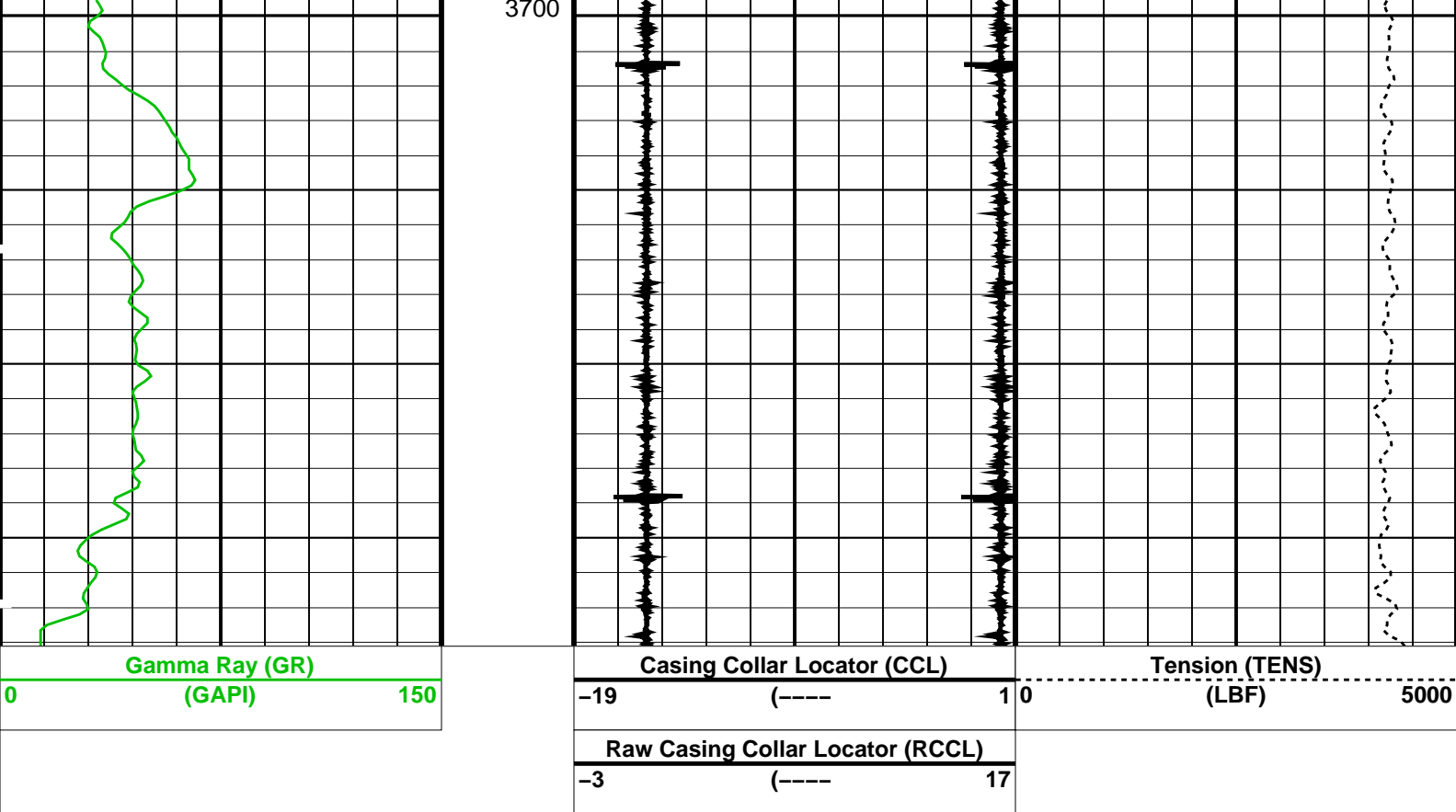
PLUG 17C0-154 PGGT-D 17C0-154
SHM_GUN 17C0-154

PIP SUMMARY

Time Mark Every 60 S







PIP SUMMARY

Time Mark Every 60 S

Format: PERFO_1 Vertical Scale: 1:200

Graphics File Created: 29-Mar-2009 16:20

OP System Version: 17C0-154

PLUG 17C0-154 PGGT-D 17C0-154
SHM_GUN 17C0-154

Output DLIS Files

DEFAULT PLUG_PERFO_034LUP FN:28 PRODUCER 29-Mar-2009 16:20

Schlumberger

Max-R Correlation Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: Cobia A21a

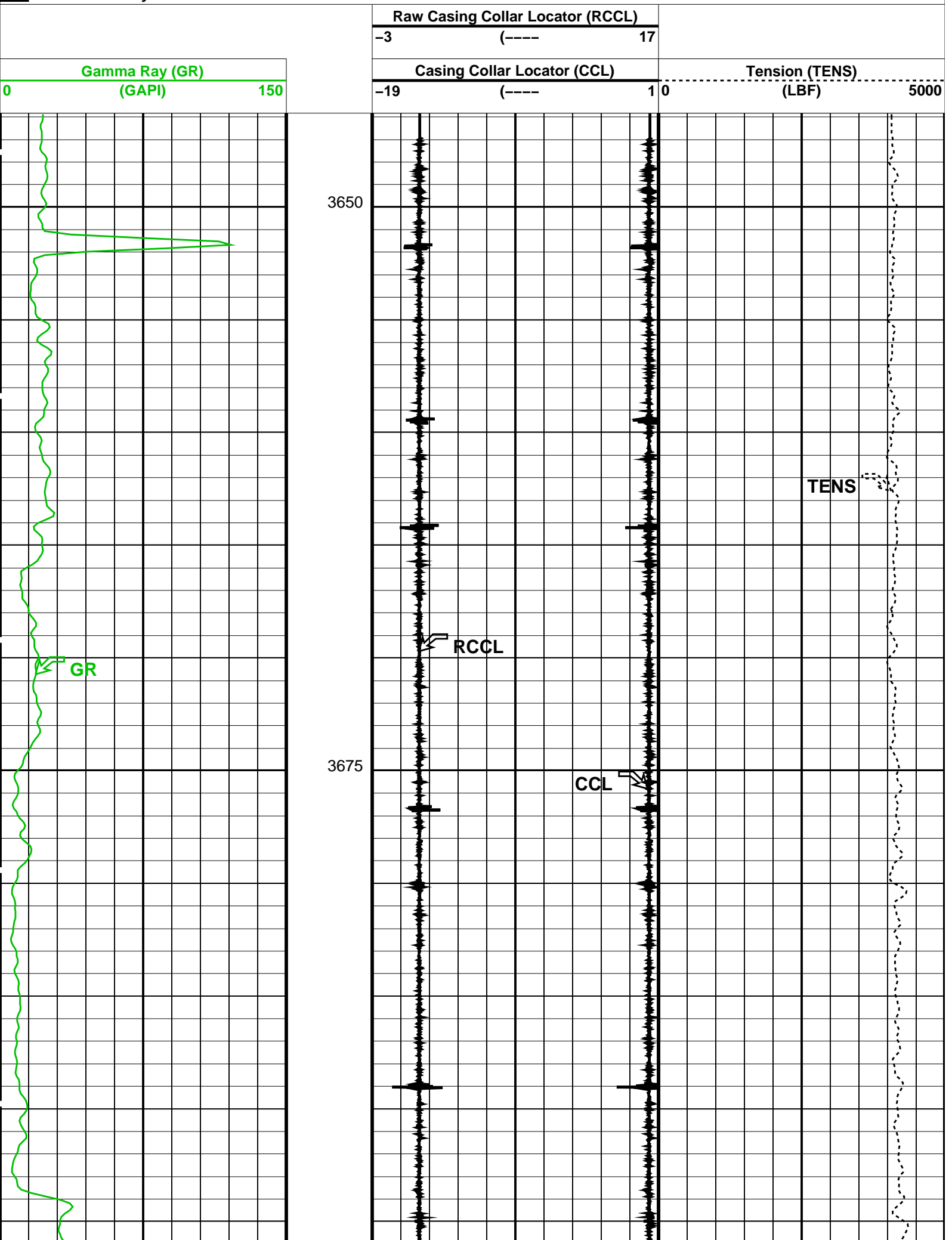
Output DLIS Files

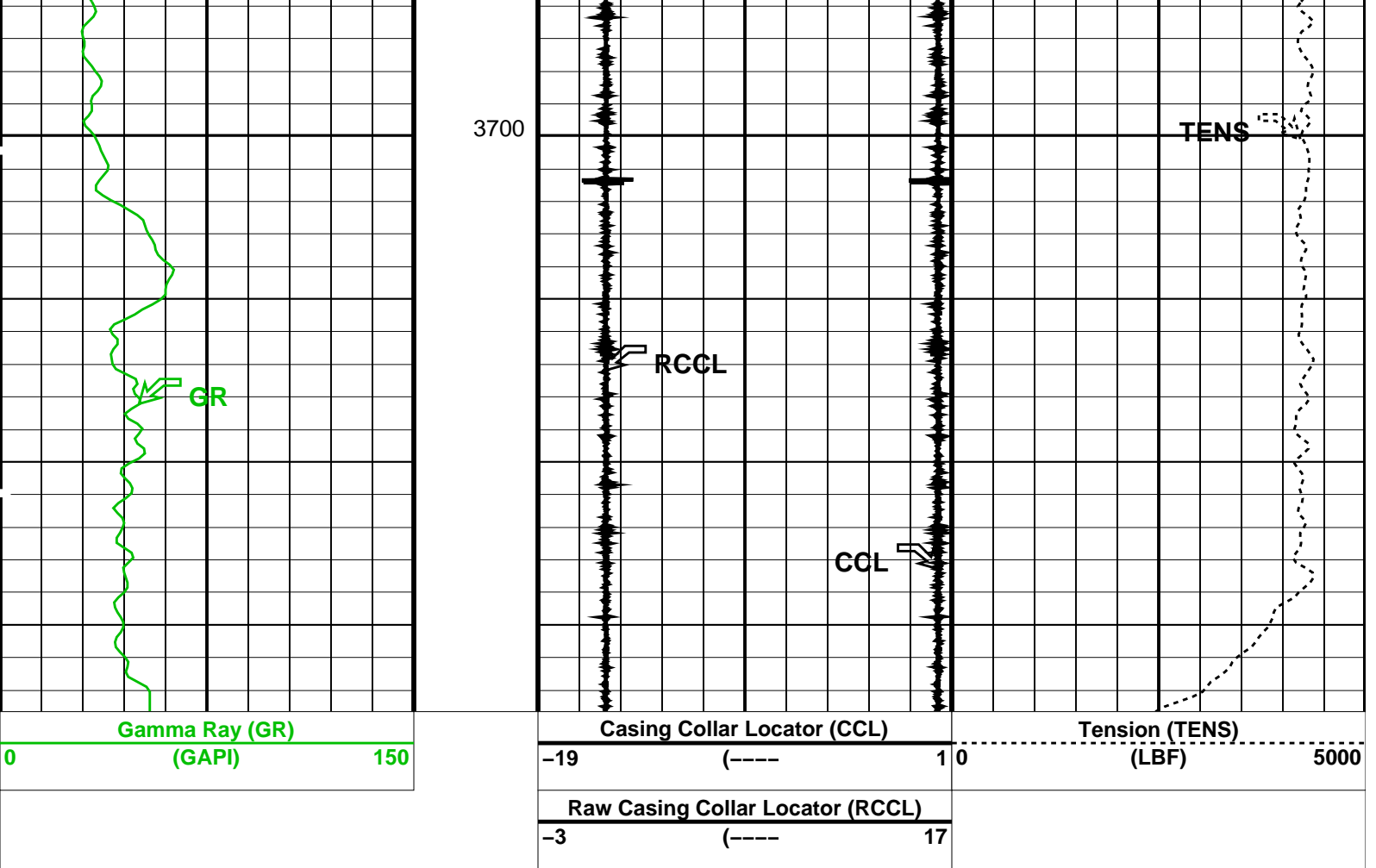
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OP System Version: 17C0-154

PLUG 17C0-154 PGGT-D 17C0-154
SHM_GUN 17C0-154

PIP SUMMARY





Time Mark Every 60 S

Format: PERFO_1 Vertical Scale: 1:200

Graphics File Created: 29-Mar-2009 15:58

OP System Version: 17C0-154

PLUG 17C0-154 PGGT-D 17C0-154
SHM_GUN 17C0-154

Output DLIS Files

DEFAULT PLUG_PERFO_033LUP FN:27 PRODUCER 29-Mar-2009 15:58

Schlumberger

5.9" Junk Basket Pass

MAXIS Field Log

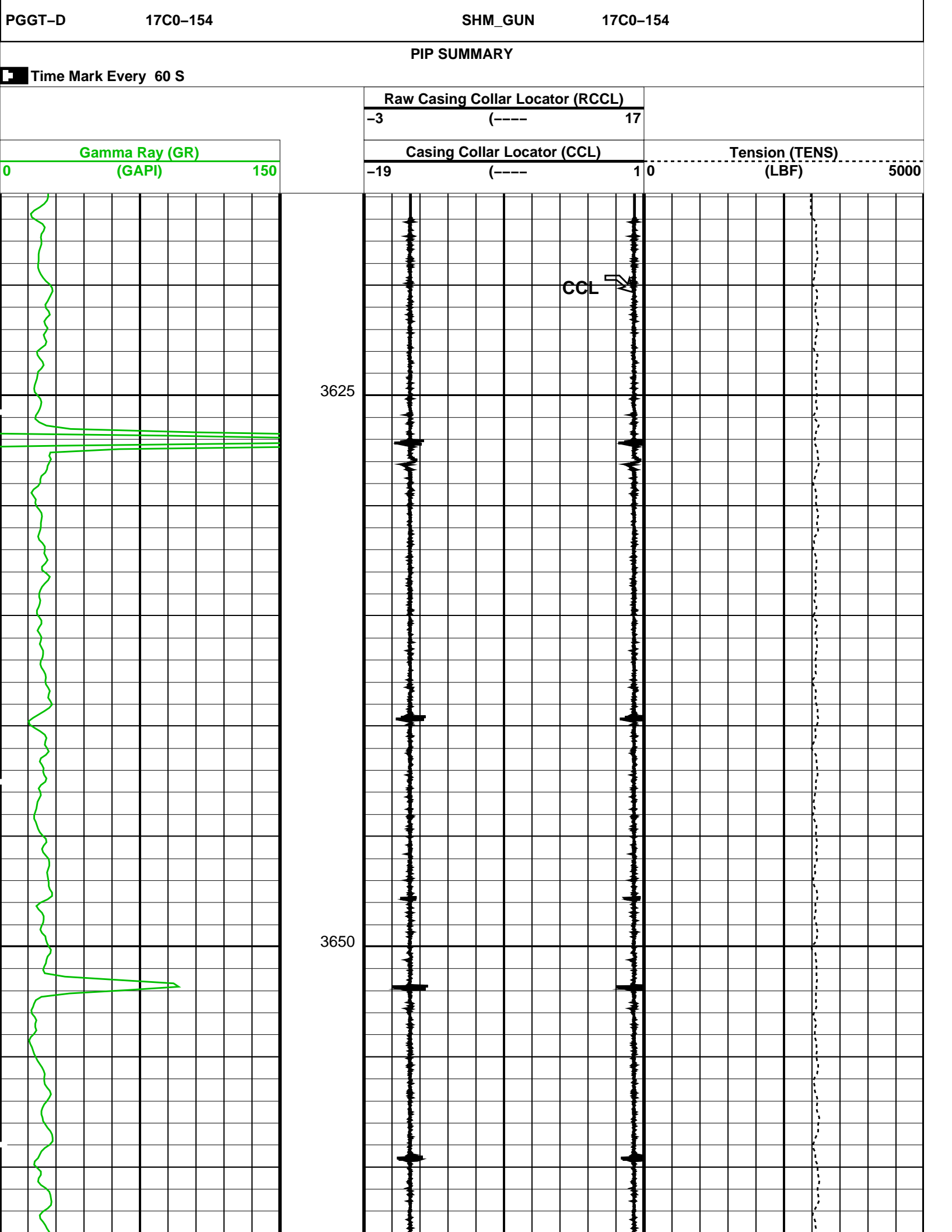
Company: Esso Australia Pty Ltd.

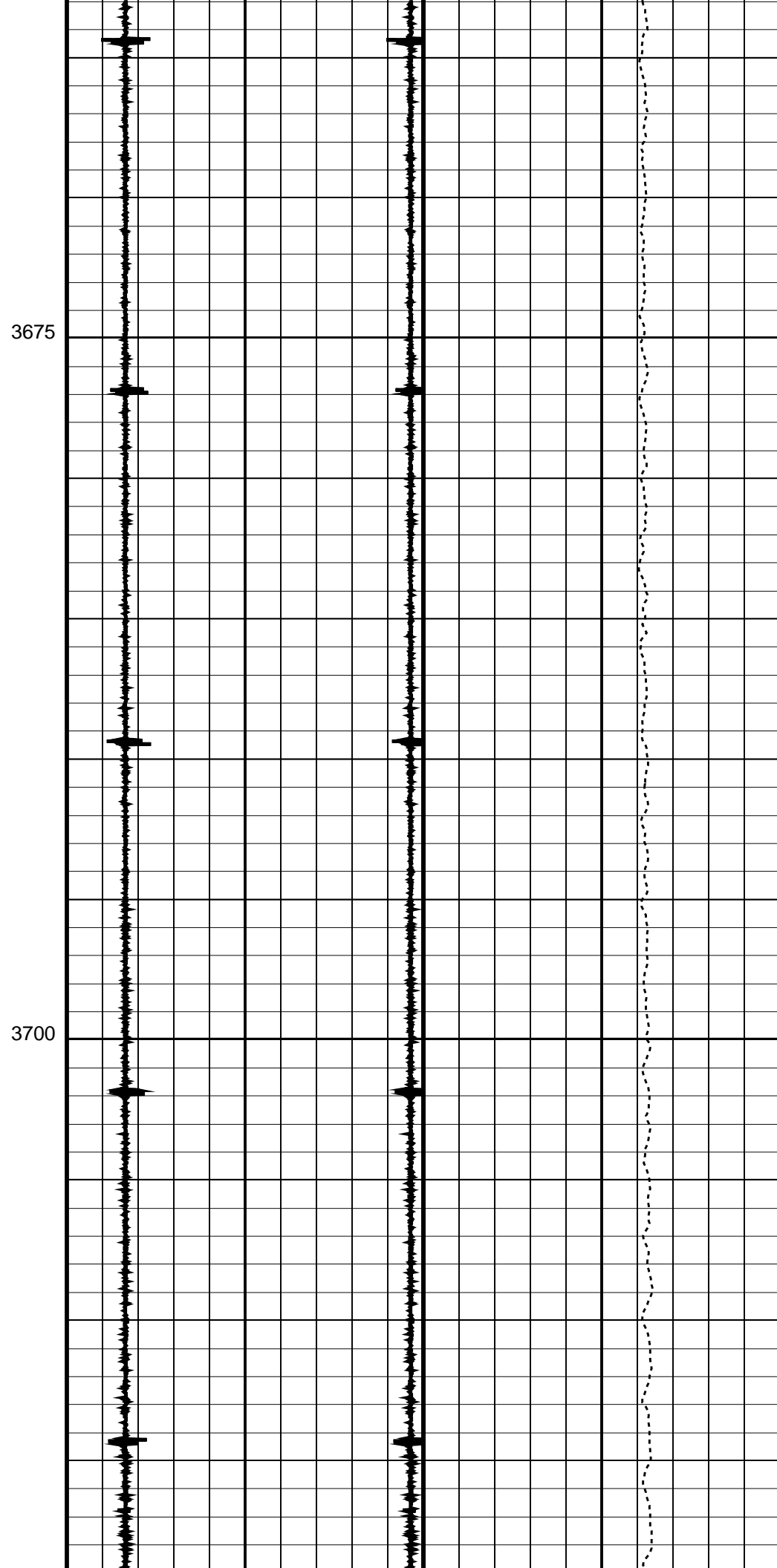
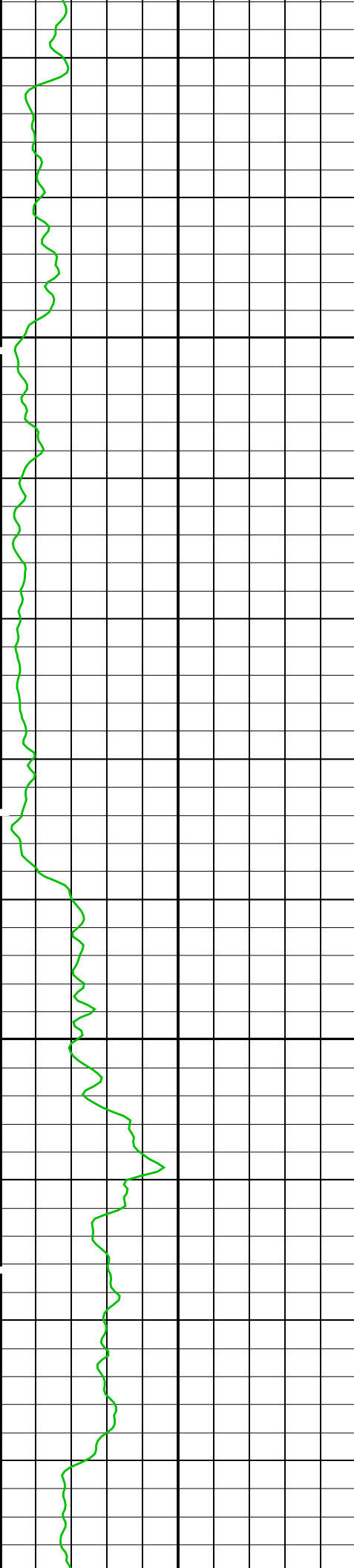
Well: Cobia A21a

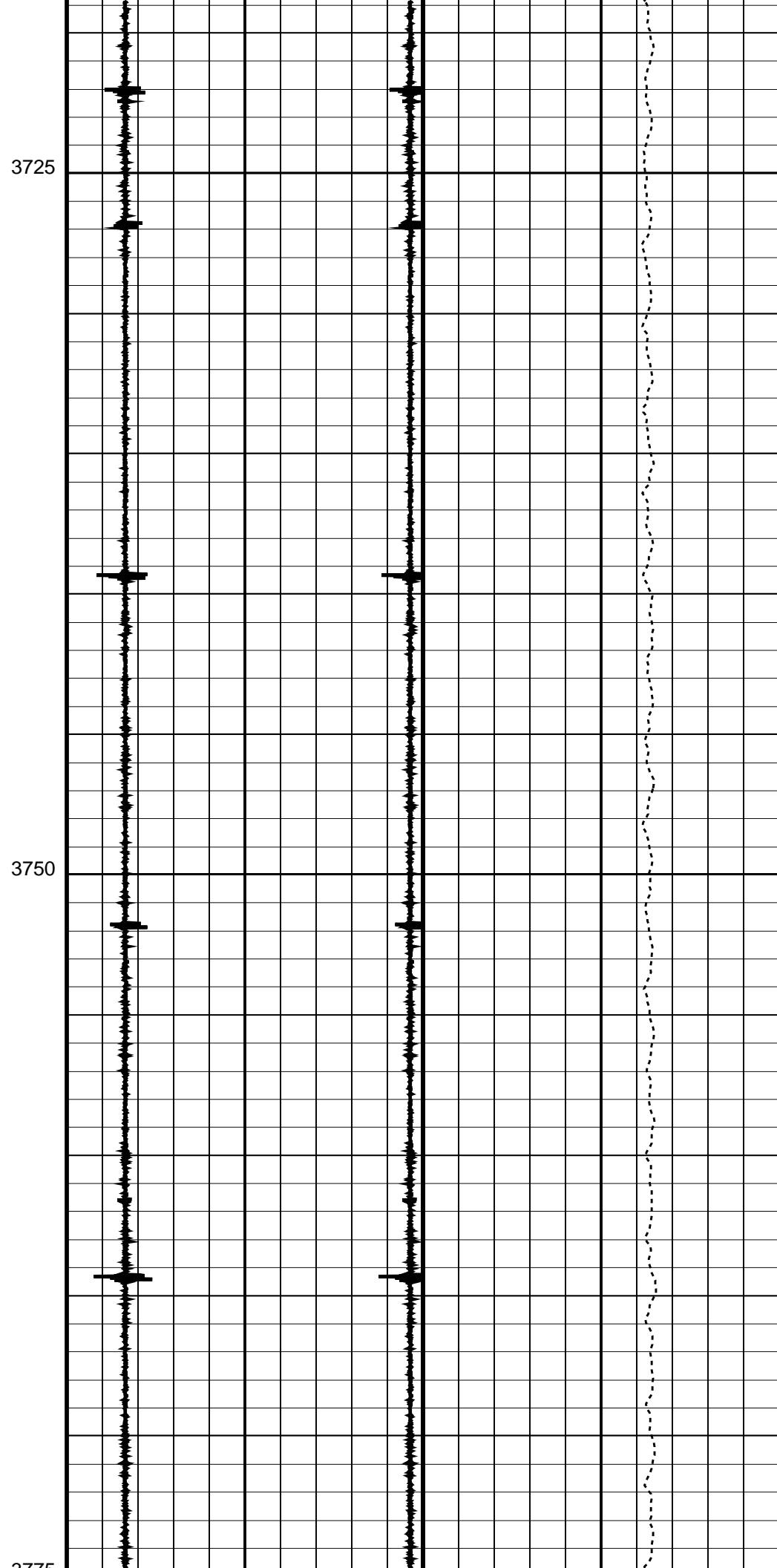
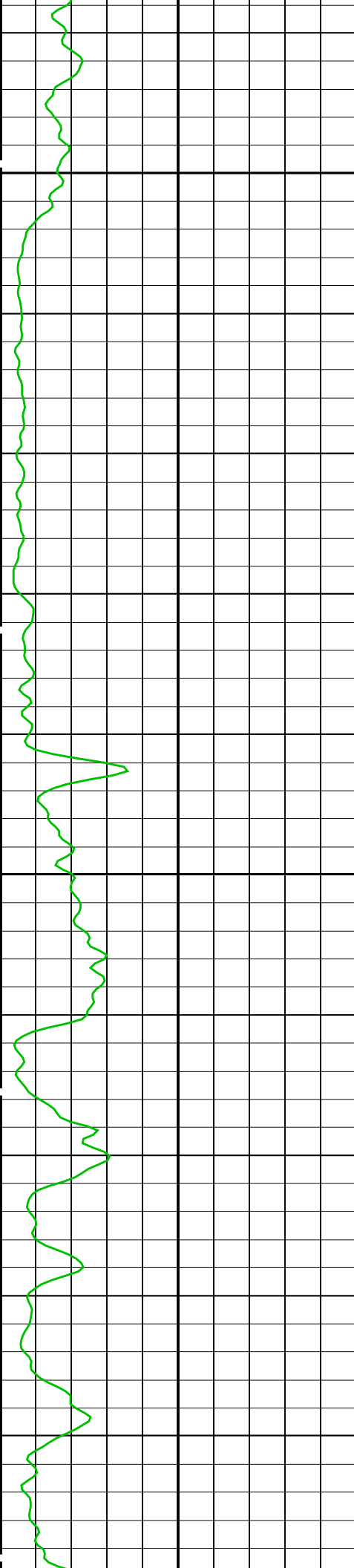
Output DLIS Files

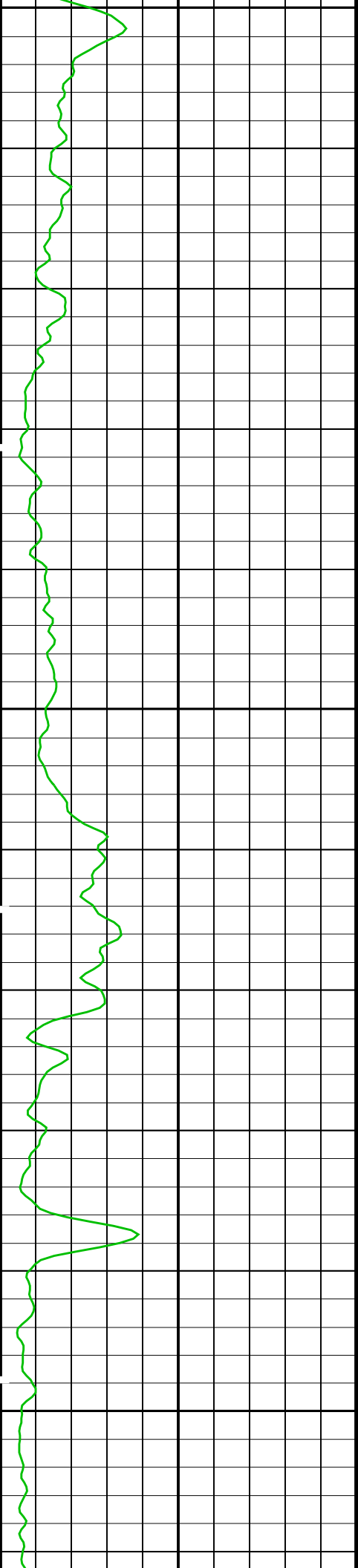
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OP System Version: 17C0-154





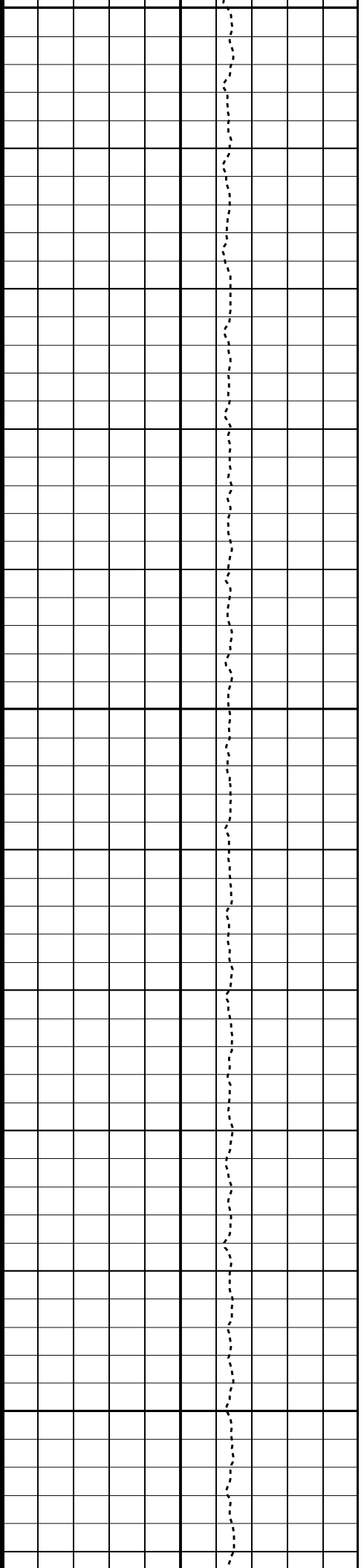
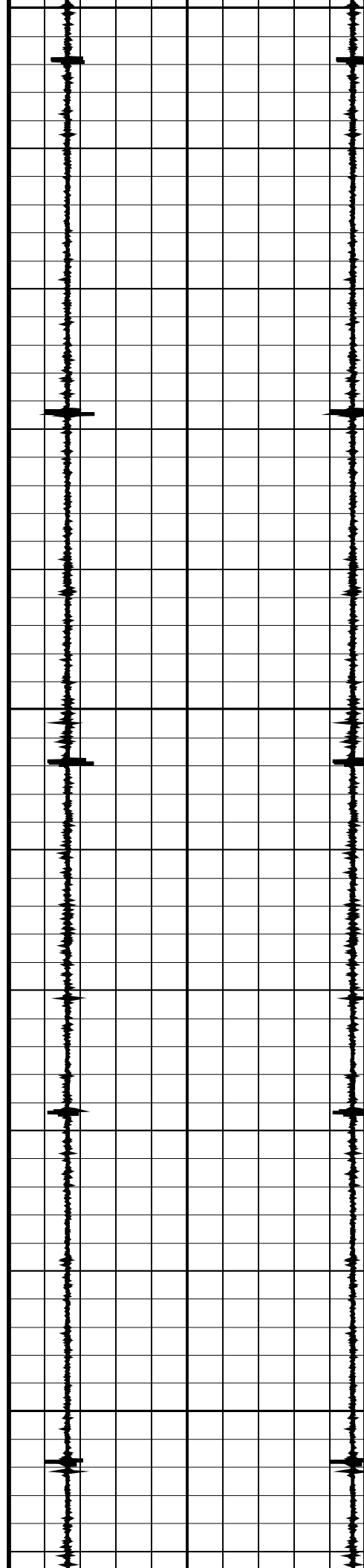


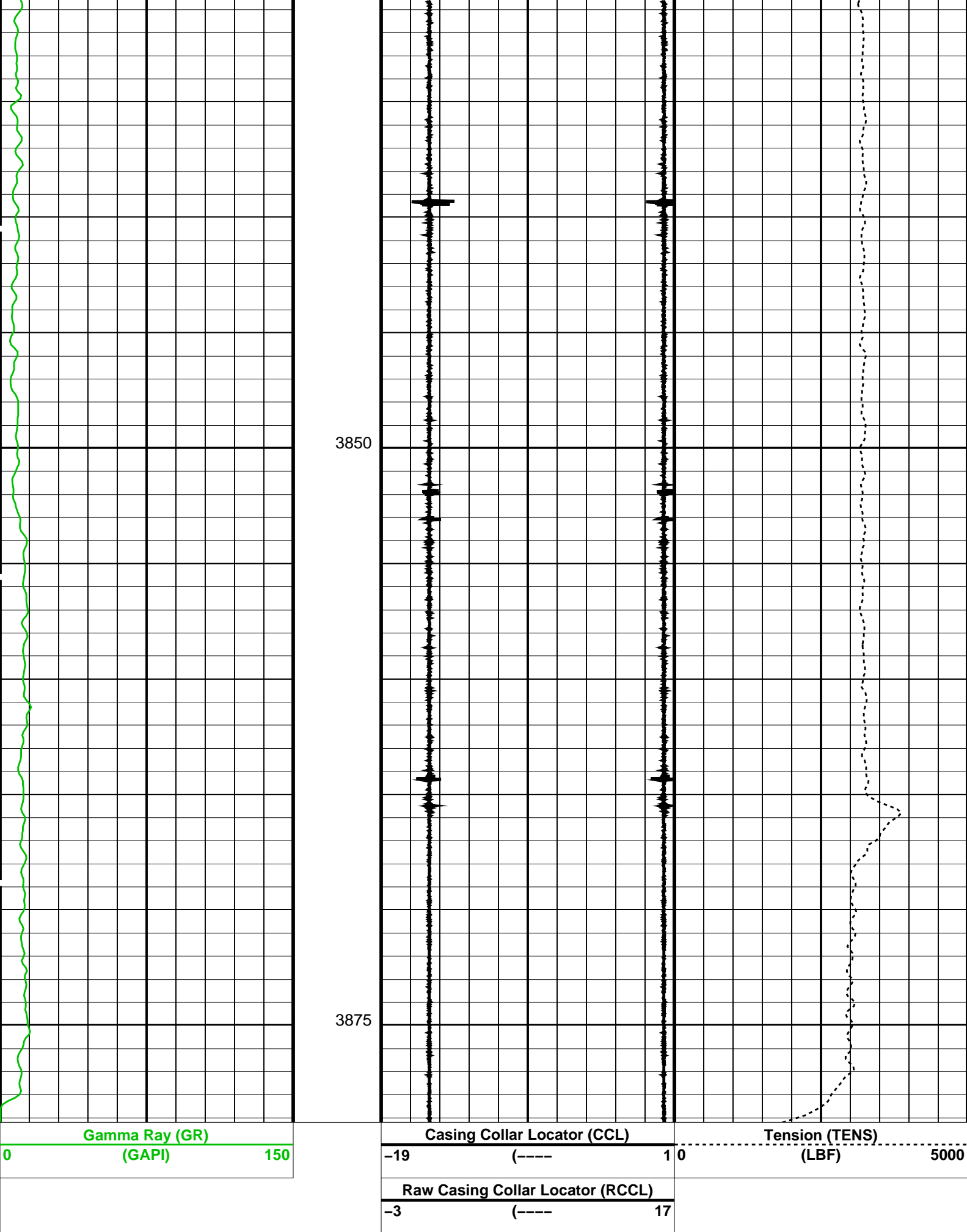


3775

3800

3825





OP System Version: 17C0-154

PGGT-D	17C0-154	SHM_GUN	17C0-154
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Output DLIS Files

DEFAULT	PERFO_018LUP	FN:12	PRODUCER	28-Mar-2009 17:36
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Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **Cobia A21a**
Field: **Cobia**
Rig: **RIG 175**
Country: **Australia**

Junk Basket with 5.9" Gauge Ring
Max-R Setting Record