

Schlumberger

Company: **Esso Australia Pty Ltd.**

Well: **FTA A10A ST1**
 Field: **Fortescue**
 Rig: **Nabors Rig 175** Country: **Australia**

Rig: Nabors Rig 175
 Field: Fortescue
 Location: Gippsland
 Well: FTA A10A ST1
 Company: Esso Australia Pty Ltd.

MAXR Setting Correlation
GR-CCL
11-Aug-07

LOCATION		Elev.:	K.B.	42.49 m
Gippsland				
Basin			G.L.	-69 m
Bass Strait			D.F.	42.49 m
Permanent Datum:	Mean Sea Level	Elev.:	0 m	
Log Measured From:	Drill Floor		42.5 m	above Perm. Datum
Drilling Measured From:	Drill Floor			

State: Victoria	Max. Well Deviation 66.89 deg	Longitude 148° 16' 41.149" E	Latitude 38° 24' 25.529" S
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	Run 1	Run 2	Run
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bq			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	66.89 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	11-Aug-2007		
Run Number	1		
Depth Driller	4410 m		
Schlumberger Depth	4373 m		
Bottom Log Interval	4329 m		
Top Log Interval	4230 m		
Casing Fluid Type	Inhibited Seawater		
Salinity			
Density	8.6 lbm/gal		
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	8.500 in		
From	2955 m		
To	4410 m		
Casing/Tubing Size	7.000 in		
Weight	26 lbm/ft		
Grade			
From	2651 m		
To	4408 m		
Maximum Recorded Temperatures			
Logger On Bottom	11-Aug-2007	Time	15:30
Unit Number	3829	Location	AUSL
Recorded By	C.Rowand		
Witnessed By	G. Doty, C.Stead, M.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		Time	
Unit Number		Location	
Recorded By			
Witnessed By			

DEPTH SUMMARY LISTING

Date Created: 12-AUG-2007 2:13:52

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-E Serial Number: 727 Calibration Date: 14-Jan-2007 Calibrator Serial Number: 1009 Calibration Cable Type: 7-46ZV-XS Wheel Correction 1: -5 Wheel Correction 2: -4	Type: CMTD-B/A Serial Number: 1077 Calibration Date: 20-Jul-2007 Calibrator Serial Number: 1174 Calibration Gain: 1.63 Calibration Offset: -700.00	Type: 7-46ZV-XS Serial Number: 76371 Length: 5779.92 M <hr/> Conveyance Method: Wireline Rig Type: Offshore_Fixed

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	LWD RM Ideal Vision
Reference Log Run Number:	LWD
Reference Log Date:	5-Aug-2007

Depth Control Remarks

1. Log correlated to LWD RM Ideal Vision Log of 5-Aug-2007
2. Primaty Depth Control was the IDW
3. Secondary Depth Control was the Z-Chart
4.
5.
6. Log was run inside the 4" Drill Pipe

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 LWD RM Ideal Vision Log of 5-Aug-2007.	
Objective: to correlate the MAXR setting on drill pipe.	
Log was run through drill pipe.	
Casing RA PIP Tag found at 4233.2 M.	
The formation GR. inside the drill pipe is affected by	

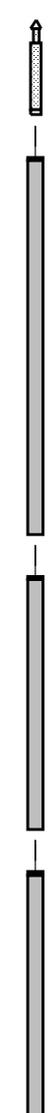
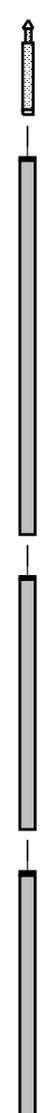
the drill pipe connections (thicker mass -> less GR).					
Resulting in GR dips at the joint connections.					
Drill Pipe to be moved up 0.63 M.					
Schlumberger Crew					
Days		Rick Murray (Crew chief), Zeb Casey			
Nights		Luke Dooley (Crew chief), Nathan Simmons			
RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION: 15C0-309			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

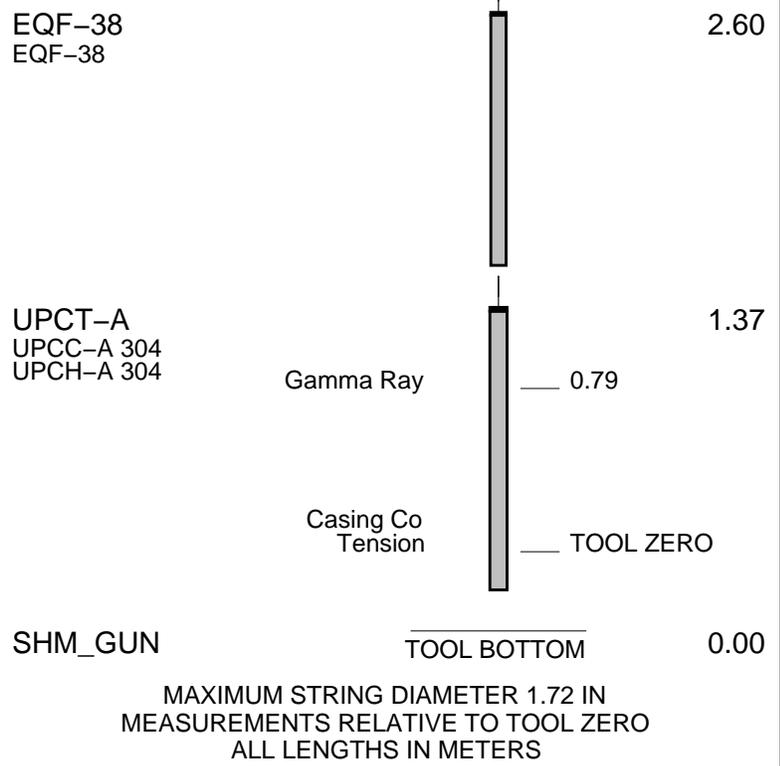
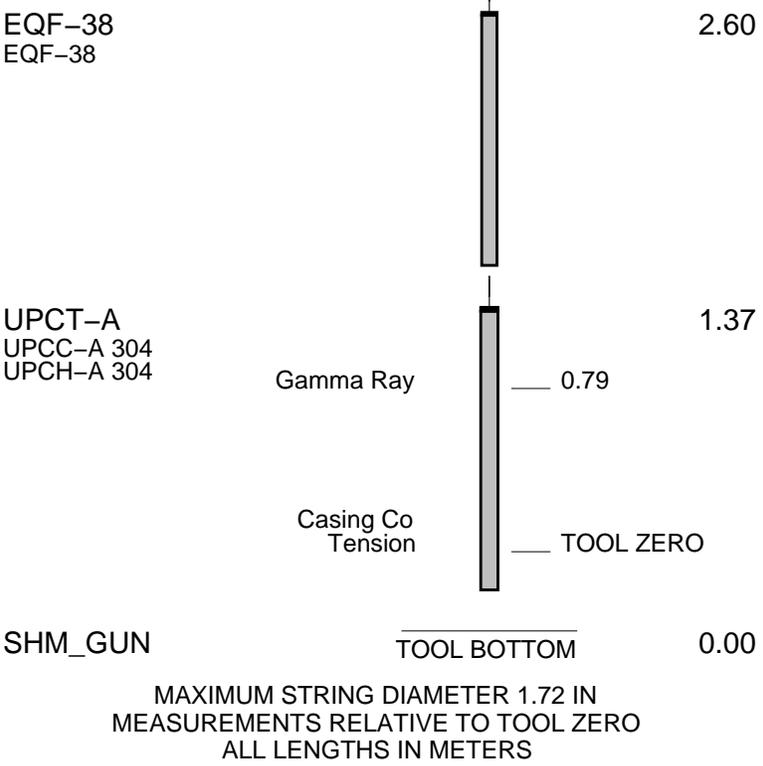
EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT	SURFACE EQUIPMENT
SHM-EA	SHM-EA

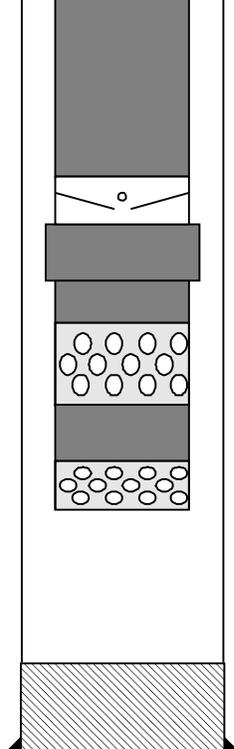
DOWNHOLE EQUIPMENT

<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>MH-22 MH-22</p> <p>EQF-43 EQF-43</p> <p>EQF-38 EQF-38</p> <p>EQF-38 EQF-38</p> </div> <div style="width: 30%; text-align: center;">  </div> <div style="width: 30%;"> <p>7.36</p> <p>6.88</p> <p>5.05</p> <p>3.83</p> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>MH-22 MH-22</p> <p>EQF-43 EQF-43</p> <p>EQF-38 EQF-38</p> <p>EQF-38 EQF-38</p> </div> <div style="width: 30%; text-align: center;">  </div> <div style="width: 30%;"> <p>7.36</p> <p>6.88</p> <p>5.05</p> <p>3.83</p> </div> </div>
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Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
4" Drill Pipe	4.000		0					Casing String
					2651.0	7.000	6.276	Casing String Liner Hanger
					2651.0	9.625	7.000	Casing Shoe
						9.625		

Baker 'J' Tool	4.000	4294.0
MAXR	5.500	4297.0
Spacer	5.500	4303.0
	4.500	4303.0
Perforation Guns	4.500	4306.0
Spacer	4.500	4318.5
Perforation Guns	4.500	4327.5
	4.500	4333.0



4390.0

PBTD

4408.0

7.000

6.276

Casing Shoe

Schlumberger

**GR-CCL # 3
Correlation**

MAXIS Field Log

Company: Esso Australia Pty Ltd

Well: FTA A10A ST1

Input DLIS Files

DEFAULT PERFO_021LUP FN:29 PRODUCER 12-Aug-2007 01:33 4285.0 M 4230.0 M

Output DLIS Files

DEFAULT PERFO_021PUP FN:30 PRODUCER 12-Aug-2007 01:40 4281.7 M 4227.1 M

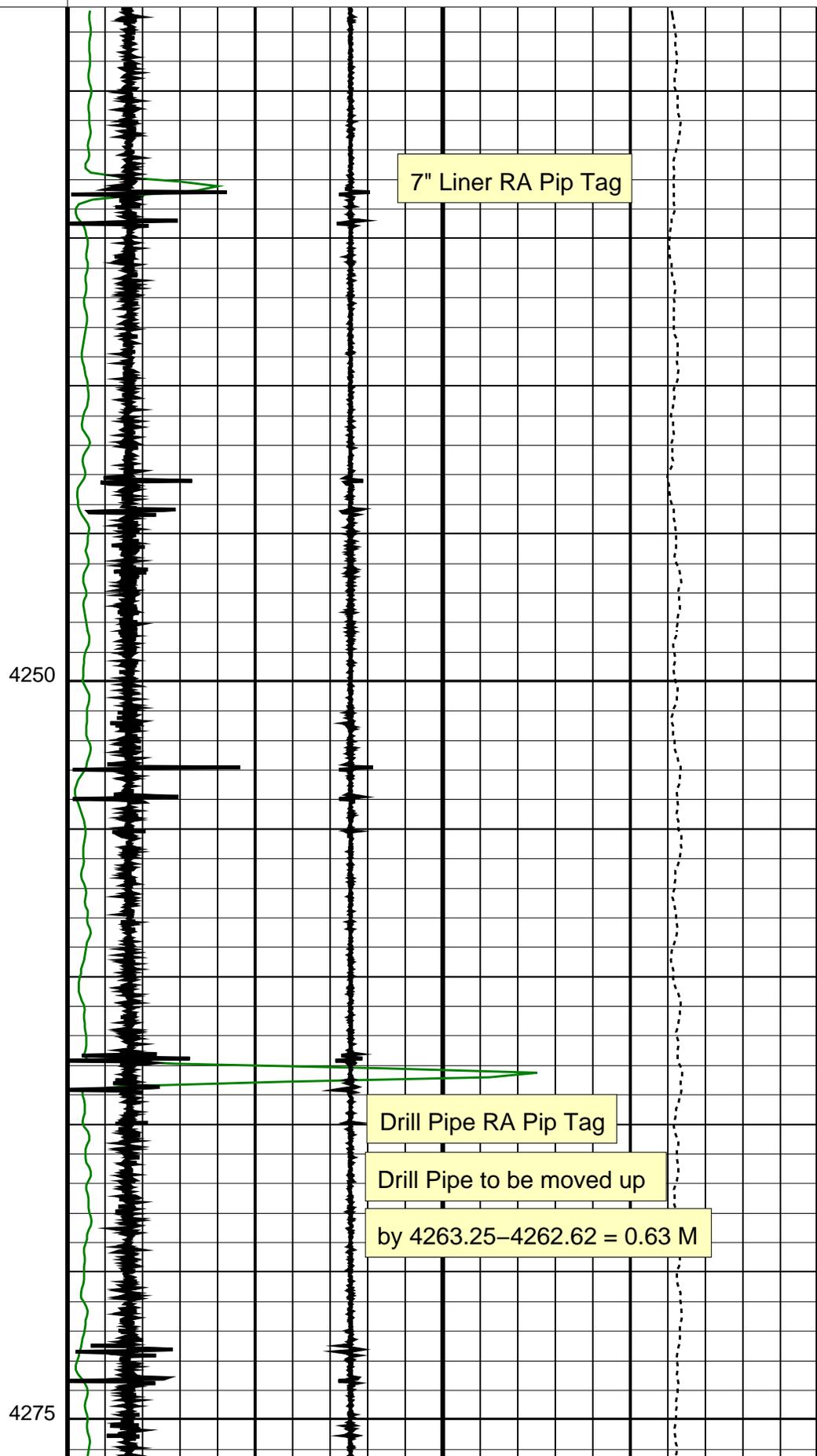
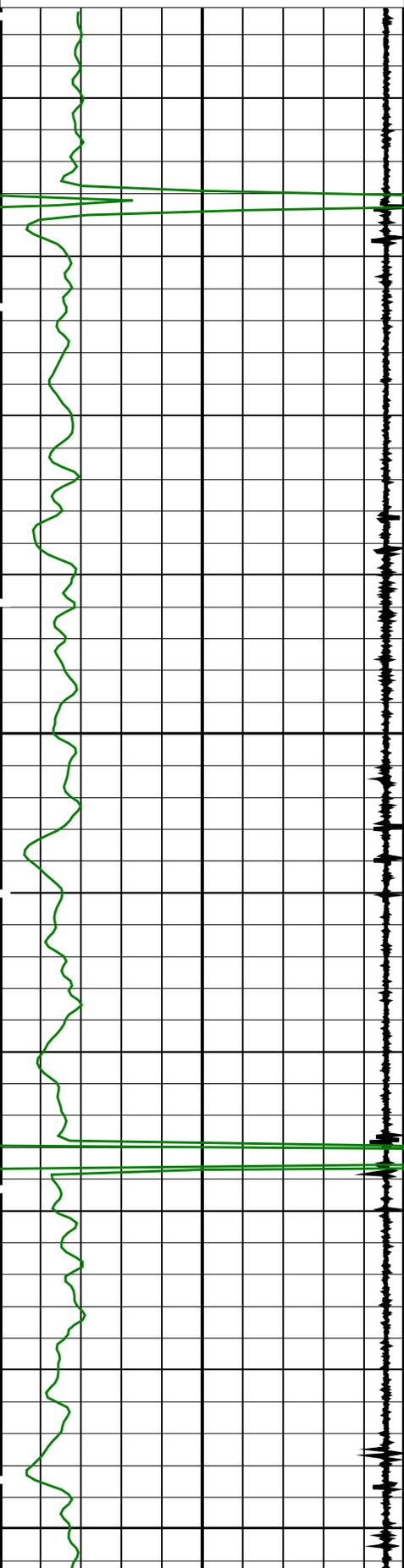
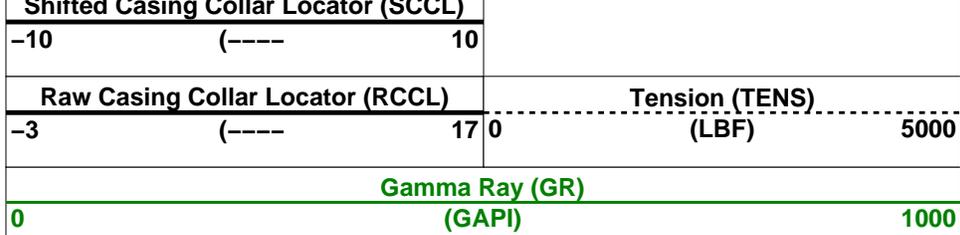
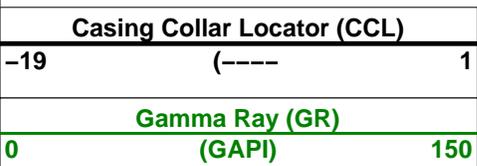
OP System Version: 15C0-309

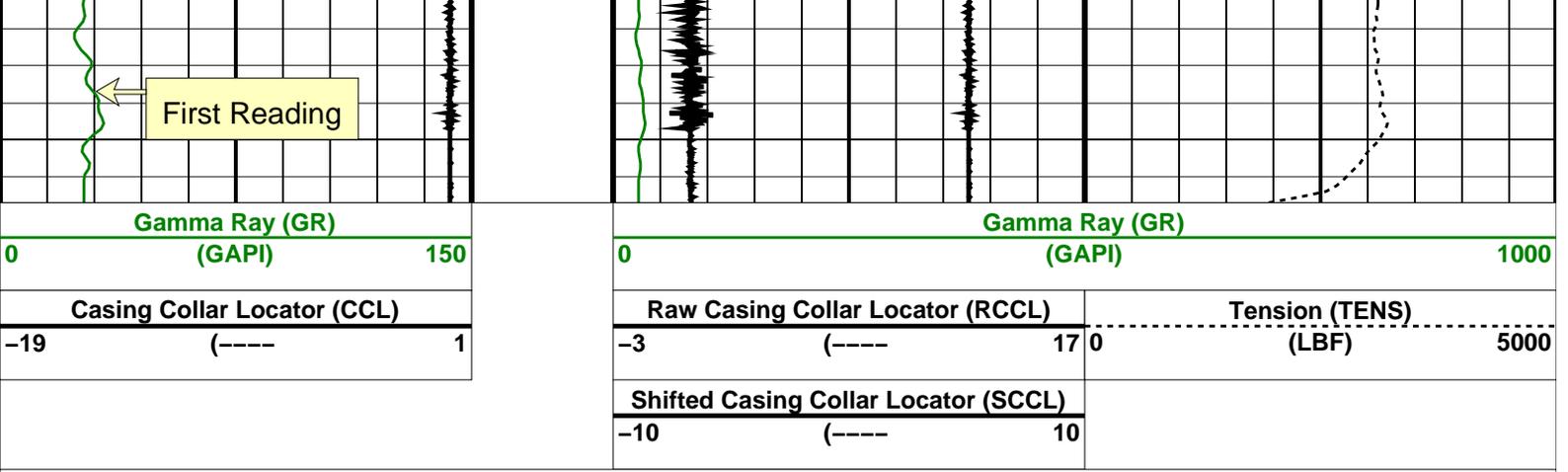
MCM

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

PIP SUMMARY

Time Mark Every 60 S





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback Playback Processing	-3.4 M NORMAL

Format: CCLLog Vertical Scale: 1:200 Graphics File Created: 12-Aug-2007 01:41

OP System Version: 15C0-309
MCM

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

Input DLIS Files

DEFAULT PERFO_021LUP FN:29 PRODUCER 12-Aug-2007 01:33 4285.0 M 4230.0 M

Output DLIS Files

DEFAULT PERFO_021PUP FN:30 PRODUCER 12-Aug-2007 01:40



GR-CCL # 2
Correlation

MAXIS Field Log

Company: Esso Australia Pty Ltd

Well: FTA A10A ST1

Input DLIS Files

DEFAULT PERFO_017LUP FN:19 PRODUCER 11-Aug-2007 20:56 4336.1 M 4231.5 M

Output DLIS Files

DEFAULT PERFO_017PUP FN:25 PRODUCER 11-Aug-2007 23:05 4332.4 M 4228.3 M

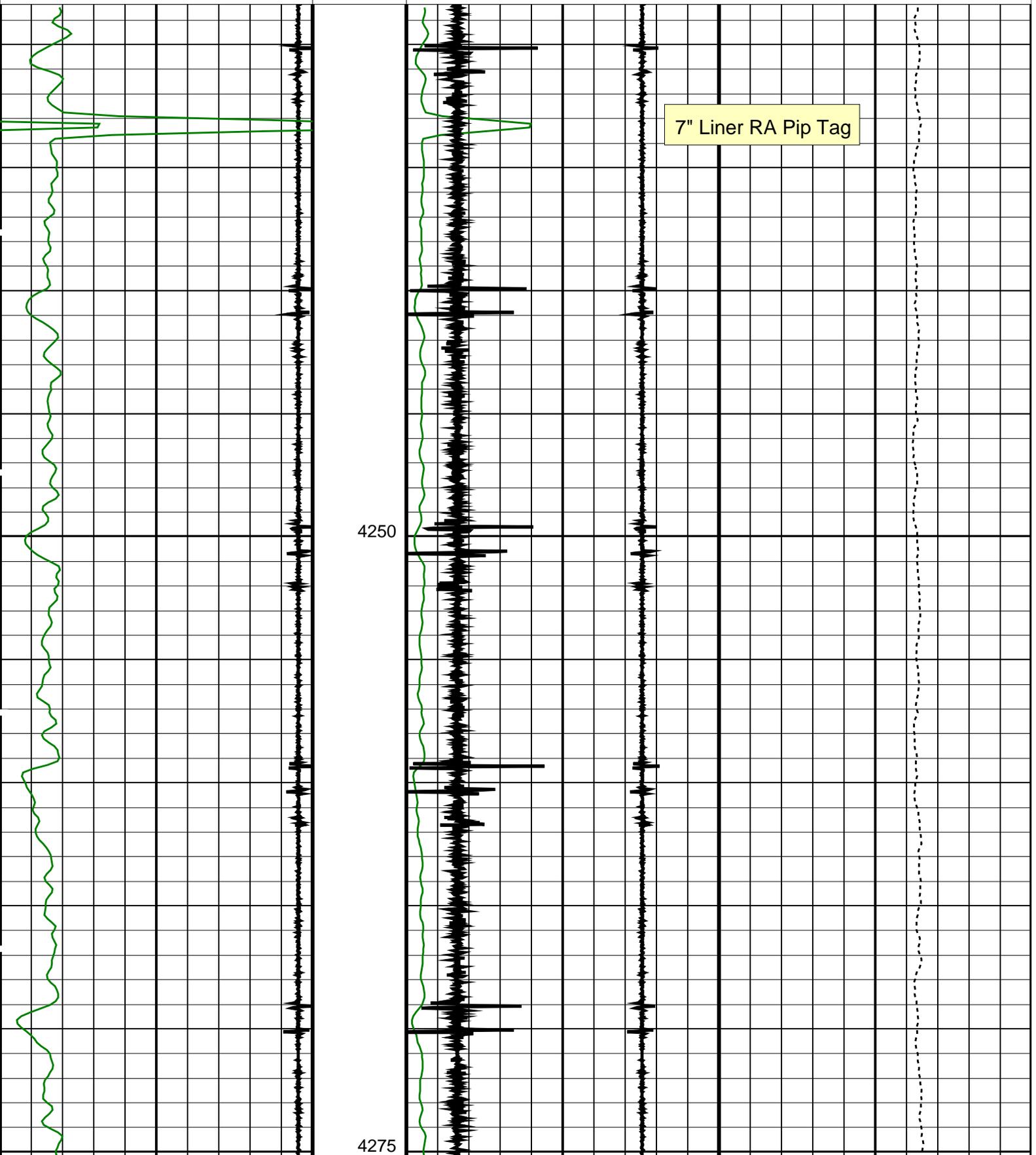
OP System Version: 15C0-309
MCM

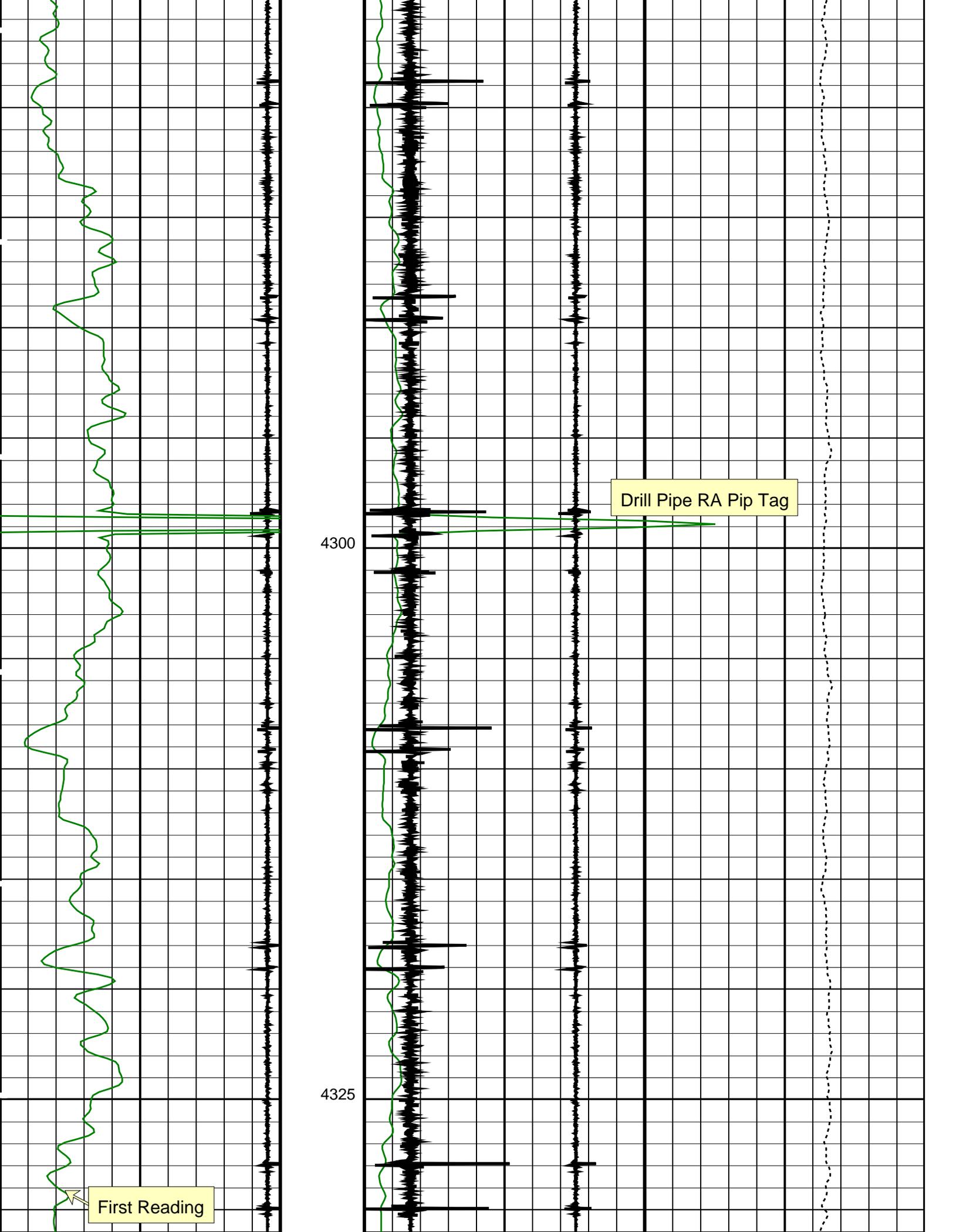
SHM_GUN 15C0-309 UPCT-A 15C0-309

PIP SUMMARY

Time Mark Every 60 S

Casing Collar Locator (CCL)		Shifted Casing Collar Locator (SCCL)		Tension (TENS)	
-19	(----) 1	-10	(----) 10	-3	(----) 17 0
Gamma Ray (GR) (GAPI)		Gamma Ray (GR) (GAPI)		Tension (TENS) (LBF)	
0	150	0	1000		5000





Gamma Ray (GR)		
0	(GAPI)	150
Casing Collar Locator (CCL)		
-19	(----	1

Gamma Ray (GR)		
0	(GAPI)	1000
Raw Casing Collar Locator (RCCL)		Tension (TENS)
-3	(----	17 0
Shifted Casing Collar Locator (SCCL)		(LBF)
-10	(----	10

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback	-3.7 M
	Playback Processing	NORMAL

Format: CCLLog Vertical Scale: 1:200 Graphics File Created: 11-Aug-2007 23:05

OP System Version: 15C0-309

MCM

SHM_GUN	15C0-309	UPCT-A	15C0-309
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Input DLIS Files

DEFAULT	PERFO_017LUP	FN:19	PRODUCER	11-Aug-2007 20:56	4336.1 M	4231.5 M
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Output DLIS Files

DEFAULT	PERFO_017PUP	FN:25	PRODUCER	11-Aug-2007 23:05
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GR-CCL # 1
Correlation

MAXIS Field Log

Company: Esso Australia Pty Ltd

Well: FTA A10A ST1

Input DLIS Files

DEFAULT	PERFO_009LUP	FN:8	PRODUCER	11-Aug-2007 15:09	4309.1 M	4232.0 M
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Output DLIS Files

DEFAULT	PERFO_009PUP	FN:26	PRODUCER	11-Aug-2007 23:09	4305.8 M	4229.1 M
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OP System Version: 15C0-309

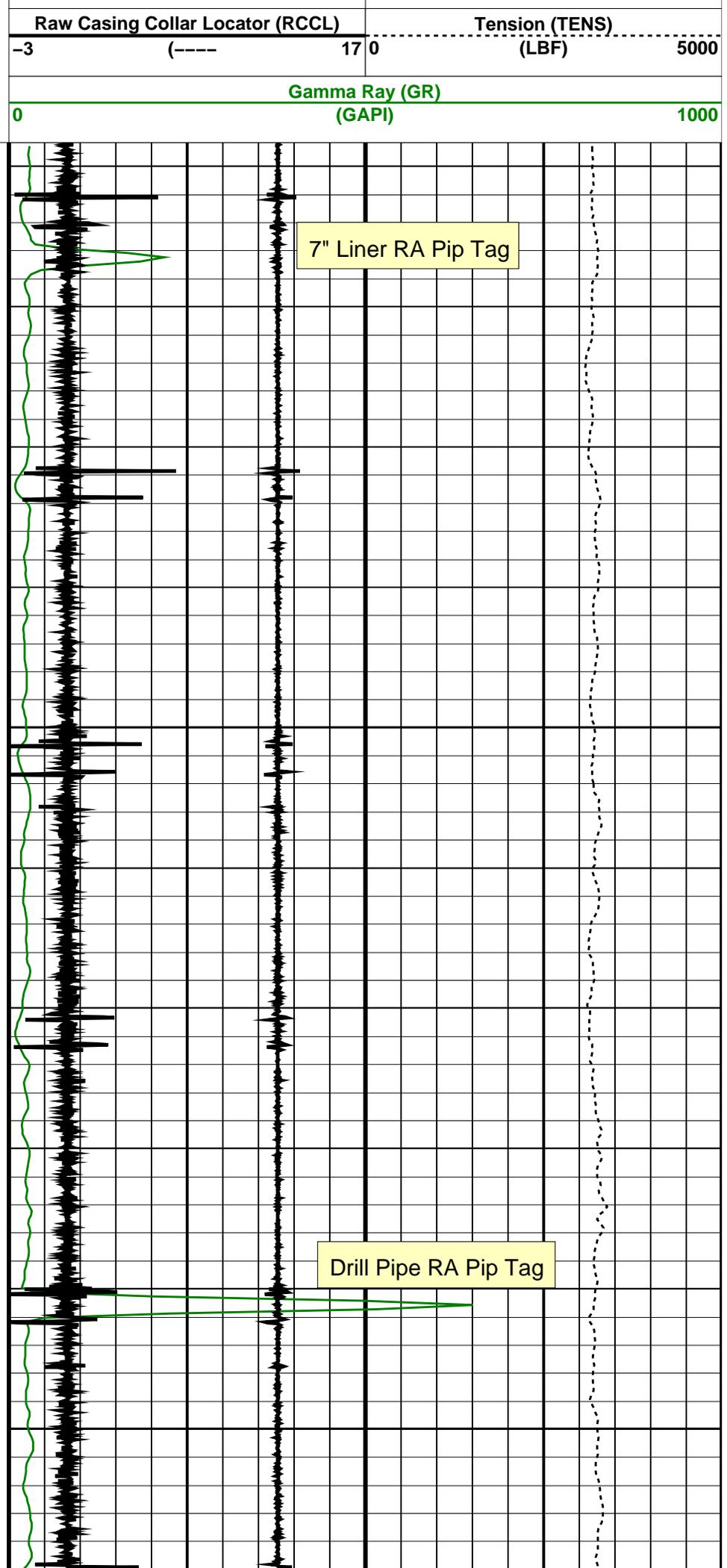
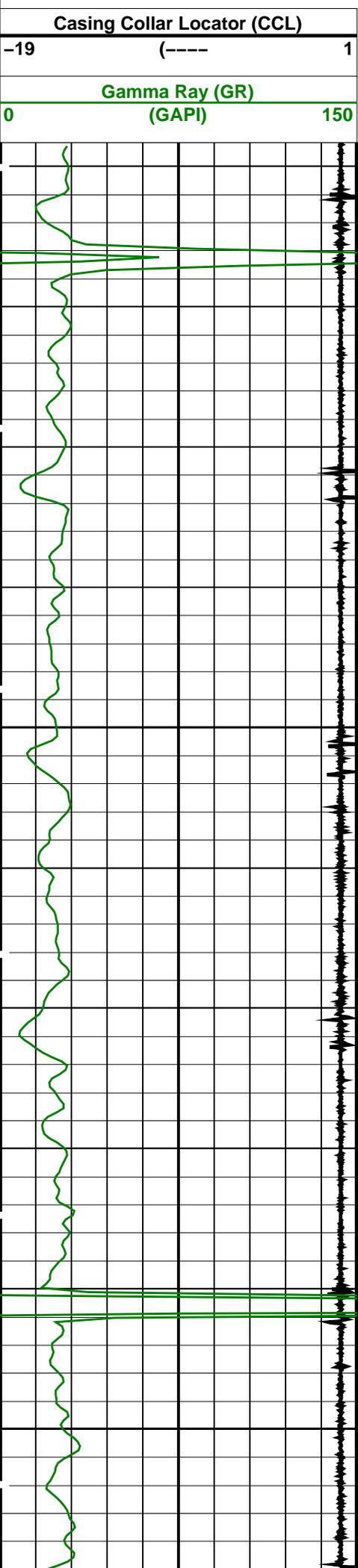
MCM

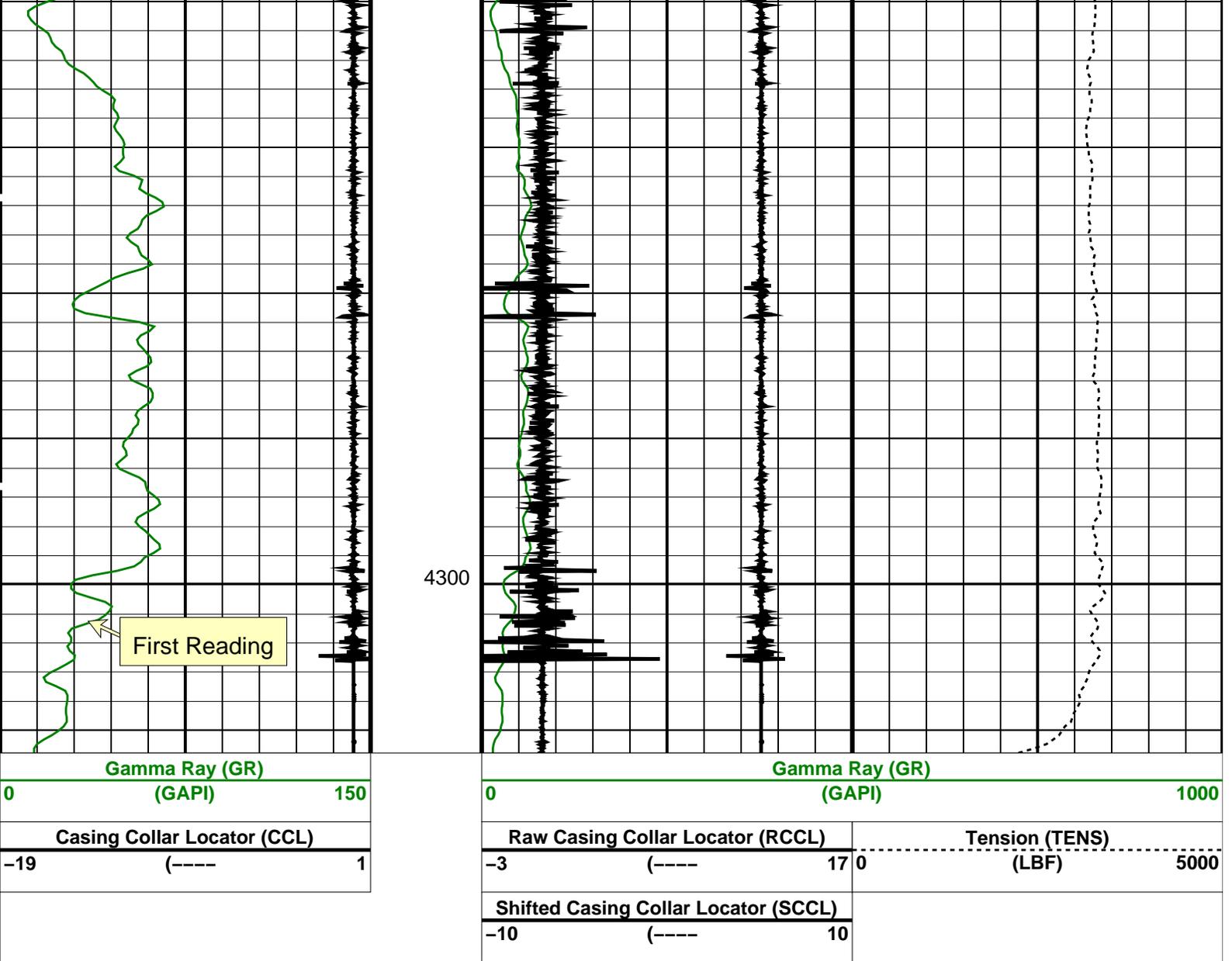
SHM_GUN	15C0-309	UPCT-A	15C0-309
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PIP SUMMARY

Time Mark Every 60 S

Shifted Casing Collar Locator (SCCL)		
-10	(----	10





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback	-3.3 M
	Playback Processing	NORMAL

Format: CCLLog Vertical Scale: 1:200 Graphics File Created: 11-Aug-2007 23:09

OP System Version: 15C0-309
MCM

SHM_GUN	15C0-309	UPCT-A	15C0-309
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Input DLIS Files

DEFAULT	PERFO_009LUP	FN:8	PRODUCER	11-Aug-2007 15:09	4309.1 M	4232.0 M
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Output DLIS Files

DEFAULT	PERFO_009PUP	FN:26	PRODUCER	11-Aug-2007 23:09
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Well: **FTA A10A ST1**
Field: **Fortescue**
Rig: **Nabors Rig 175**
Country: **Australia**

MAXR Setting Correlation
GR-CCL
11-Aug-07