

Company:	Eso Australia Pty Ltd
Well:	SNA A26a
Field:	Bass Strait
Rig:	175
Country:	Australia

	Run 1	Run 2	Run 3
PVT DATA			
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	83 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			

DEPTH SUMMARY LISTING

Date Created: 17-JAN-2009 11:11:39

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-E	Type:	CMTD-B/A	Type:	7-46ZV XS
Serial Number:	727	Serial Number:	2268	Serial Number:	708356
Calibration Date:	30 Nov 08	Calibration Date:	16-Jan-2009	Length:	7116 M
Calibrator Serial Number:	30	Calibrator Serial Number:	1174		
Calibration Cable Type:	7-46ZV XS	Calibration Gain:	1.24	Conveyance Method:	Wireline
Wheel Correction 1:	-2	Calibration Offset:	-904.00	Rig Type:	Offshore_Fixed
Wheel Correction 2:	-2				

Depth Control Parameters	
Depth (m)	0.0
Depth (m)	0.5
Depth (m)	1.0
Depth (m)	1.5
Depth (m)	2.0
Depth (m)	2.5
Depth (m)	3.0
Depth (m)	3.5
Depth (m)	4.0
Depth (m)	4.5
Depth (m)	5.0
Depth (m)	5.5
Depth (m)	6.0
Depth (m)	6.5
Depth (m)	7.0
Depth (m)	7.5
Depth (m)	8.0
Depth (m)	8.5
Depth (m)	9.0
Depth (m)	9.5
Depth (m)	10.0
Depth (m)	10.5
Depth (m)	11.0
Depth (m)	11.5
Depth (m)	12.0
Depth (m)	12.5
Depth (m)	13.0
Depth (m)	13.5
Depth (m)	14.0
Depth (m)	14.5
Depth (m)	15.0
Depth (m)	15.5
Depth (m)	16.0
Depth (m)	16.5
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Depth (m)	18.0
Depth (m)	18.5
Depth (m)	19.0
Depth (m)	19.5
Depth (m)	20.0
Depth (m)	20.5
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Depth (m)	21.5
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Depth (m)	22.5
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Depth (m)	23.5
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Depth (m)	25.5
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Depth (m)	26.5
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Depth (m)	33.5
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Depth (m)	34.5
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Depth (m)	35.5
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Depth (m)	40.5
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Depth (m)	41.5
Depth (m)	42.0
Depth (m)	42.5
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Depth (m)	43.5
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Depth (m)	44.5
Depth (m)	45.0
Depth (m)	45.5
Depth (m)	46.0
Depth (m)	46.5
Depth (m)	47.0
Depth (m)	47.5
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Depth (m)	48.5
Depth (m)	49.0
Depth (m)	49.5
Depth (m)	50.0
Depth (m)	50.5
Depth (m)	51.0
Depth (m)	51.5
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Depth (m)	52.5
Depth (m)	53.0
Depth (m)	53.5
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Depth (m)	54.5
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Depth (m)	55.5
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Depth (m)	56.5
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Depth (m)	57.5
Depth (m)	58.0
Depth (m)	58.5
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Depth (m)	59.5
Depth (m)	60.0
Depth (m)	60.5
Depth (m)	61.0
Depth (m)	61.5
Depth (m)	62.0
Depth (m)	62.5
Depth (m)	63.0
Depth (m)	63.5
Depth (m)	64.0
Depth (m)	64.5
Depth (m)	65.0
Depth (m)	65.5
Depth (m)	66.0
Depth (m)	66.5
Depth (m)	67.0
Depth (m)	67.5
Depth (m)	68.0
Depth (m)	68.5
Depth (m)	69.0
Depth (m)	69.5
Depth (m)	70.0
Depth (m)	70.5
Depth (m)	71.0
Depth (m)	71.5
Depth (m)	72.0
Depth (m)	72.5
Depth (m)	73.0
Depth (m)	73.5
Depth (m)	74.0
Depth (m)	74.5
Depth (m)	75.0
Depth (m)	75.5
Depth (m)	76.0
Depth (m)	76.5
Depth (m)	77.0
Depth (m)	77.5
Depth (m)	78.0

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	SNA A26a RM LWD EcoScope 200MD
Reference Log Run Number:	
Reference Log Date:	14-Dec-2008

Depth Control Remarks	
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1. Used IDW as primary depth control
2. Used Z-Chart as secondary depth control
3. Correlated to GR peaks located @ 5648.6 & 5642.6m MDKB
- 4.
- 5.
- 6.

DISCLAIMER

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OTHER SERVICES1	OTHER SERVICES2
OS1: None	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

OS1:	None	OS1:
OS2:		OS2:
OS3:		OS3:
OS4:		OS4:
OS5:		OS5:

OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

OS4:	OS4:
OS5:	OS5:

OS5:	OS5:
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REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Correlated to SNA A26a RM LWD EcoScope 200MD log provided by client.	

Correlated to SNA A26a RM LWD EcoScope 200MD log provided by client.

	1	9	7

Objective:

Rig up wireline through CSES-N and RIH with a slimhole toolstring incorporating

GR/CCL. Correlate depth to formation.


Locate pip tag installed in drill pipe and advise driller of the depth

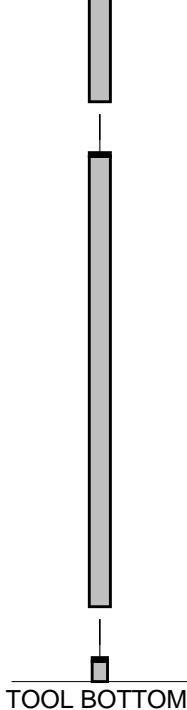
adjustment required

adjustment required.
Perform final correlation pass confirming correct depth of drill pipe pip tag,
POOH.
Casing pip tag = 5219.0 m
DP pip tag = 5640.35 m
Perforation interval = 5742.0 – 5751.5 m MDKB
Schlumberger Crew:
Specialists / Engineers : Owen D, Gaffar F
Operators: Max hancock & Andrew Pratt: Days
: David Stuckey & Chris Sheills: Nights

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

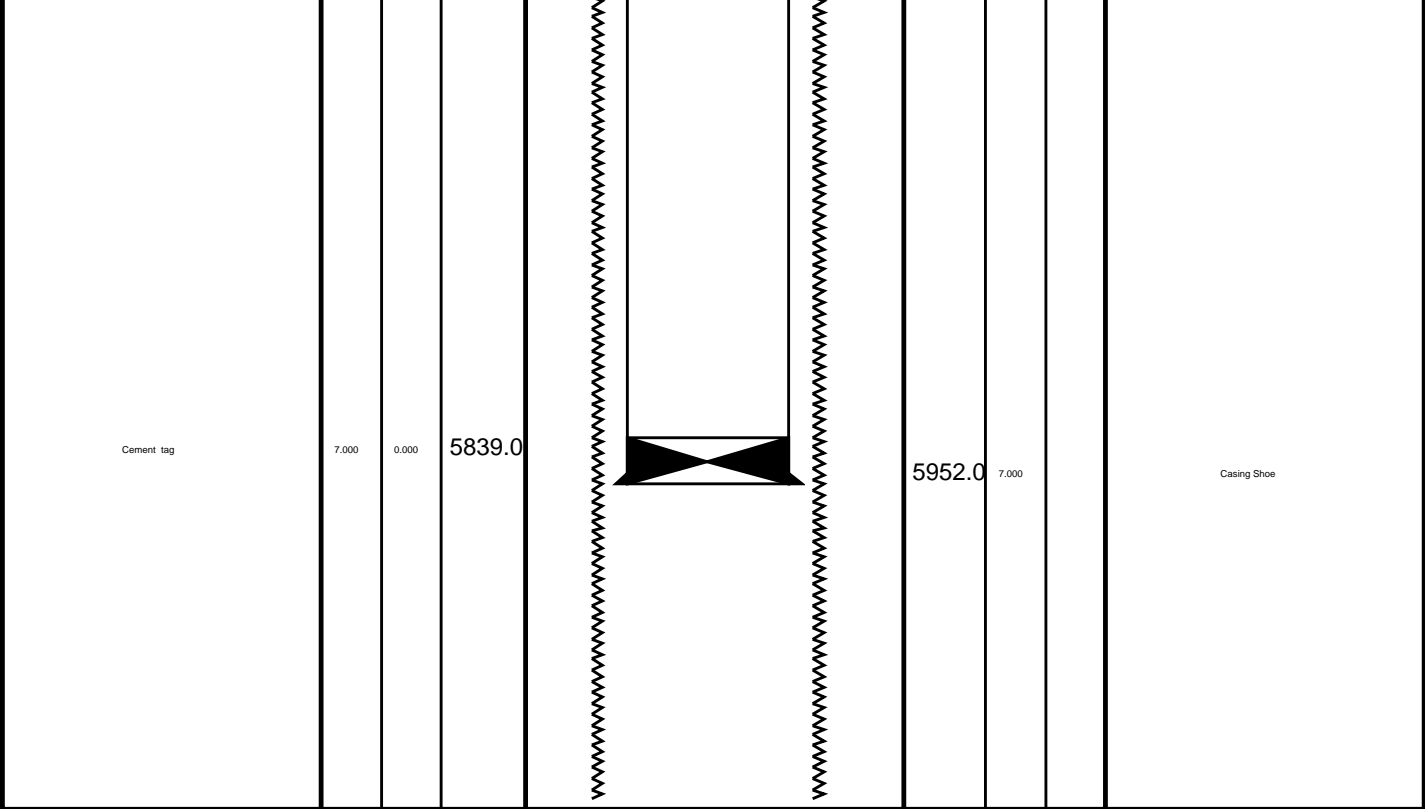
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT					
DOWNHOLE EQUIPMENT					
MH-22 MH-22		5.07			
UPCT-A UPCC-A UPCH-A	Gamma Ray	4.59			
		0.79			
	Casing Co Tension	TOOL ZERO			
AH-Pump down mandrels AH-Pump down mandrels		3.22			



Rig Name: 175
Reference Datum: Mean Sea Level
Elevation: 55.0 m

Production String	(in)		(m)	Well Schematic	(m)		(in)	Casing String
	OD	ID	MD		MD	OD	ID	
					0.0 4711.0 4711.0 5483.0 5483.0	12.125 10.750 7.000 10.750 10.750 9.500	7.000 7.000	Borehole Segment Casing String Casing String Liner Hanger Casing Shoe Borehole Segment



Schlumberger

Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
Simulated Log	16-Jan-2009 12:58	000:03	PERFO_007LUP
OP checked primary toolstring	16-Jan-2009 19:04	000:03	PERFO_008LUP
Simulated Log	16-Jan-2009 21:30		
OP Checked secondary toolstring	16-Jan-2009 23:41	003:48	PERFO_017LDP
Rig Up Started	17-Jan-2009 3:30	000:18	PERFO_018LUP
Log Pass (down)	17-Jan-2009 3:55	000:06	PERFO_020LDP
RIH	17-Jan-2009 4:02	000:11	PERFO_021LUP
Log Pass (up)	17-Jan-2009 4:30	000:16	PERFO_023LUP
Correlation pass 1			
Log Pass (down)			
Correlation pass 2			
Log Pass (up)			
Final correlation pass – on depth			
Log Pass (up)			
POOH			

Schlumberger**Depth Determination for Max-R on DP
Correlation Pass**

MAXIS Field Log

Company: Esso Australia Pty Ltd

Well: SNA A26a

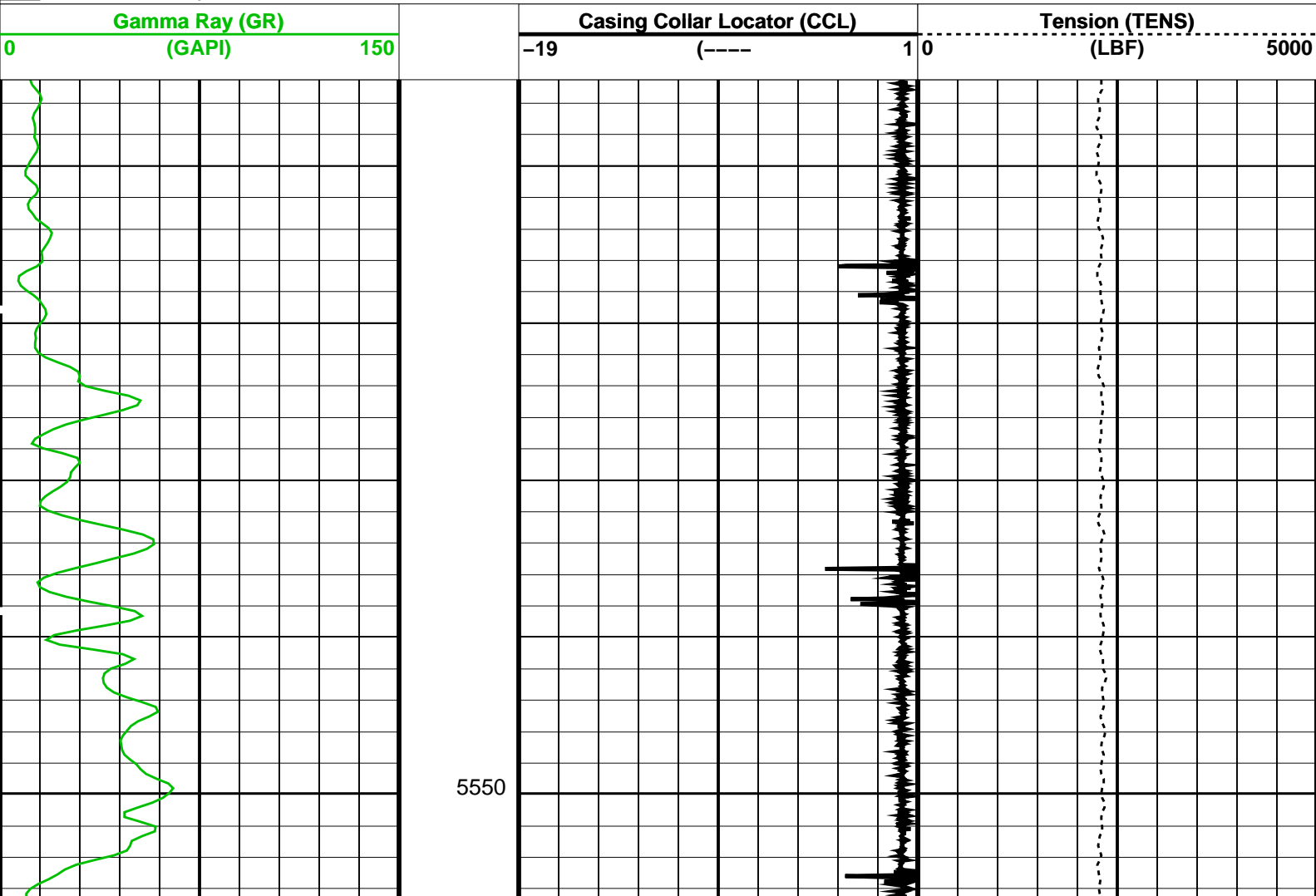
Output DLIS Files

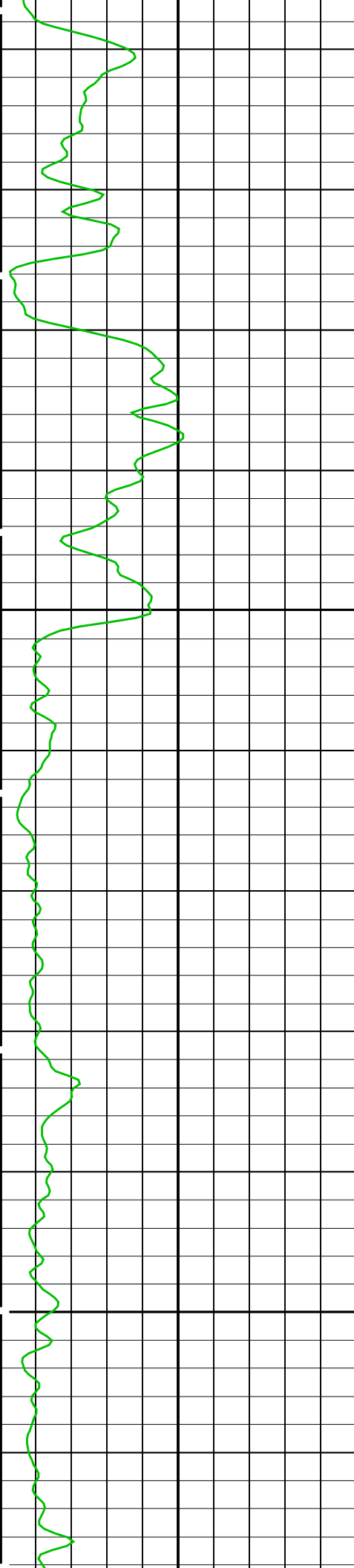
DEFAULT	PERFO_023LUP	FN:28	PRODUCER	17-Jan-2009 04:30	5664.7 M	5527.2 M
RTB	PERFO_023LUP	FN:29	PRODUCER	17-Jan-2009 04:30	5664.7 M	5527.2 M

OP System Version: 16C0-147

MCM

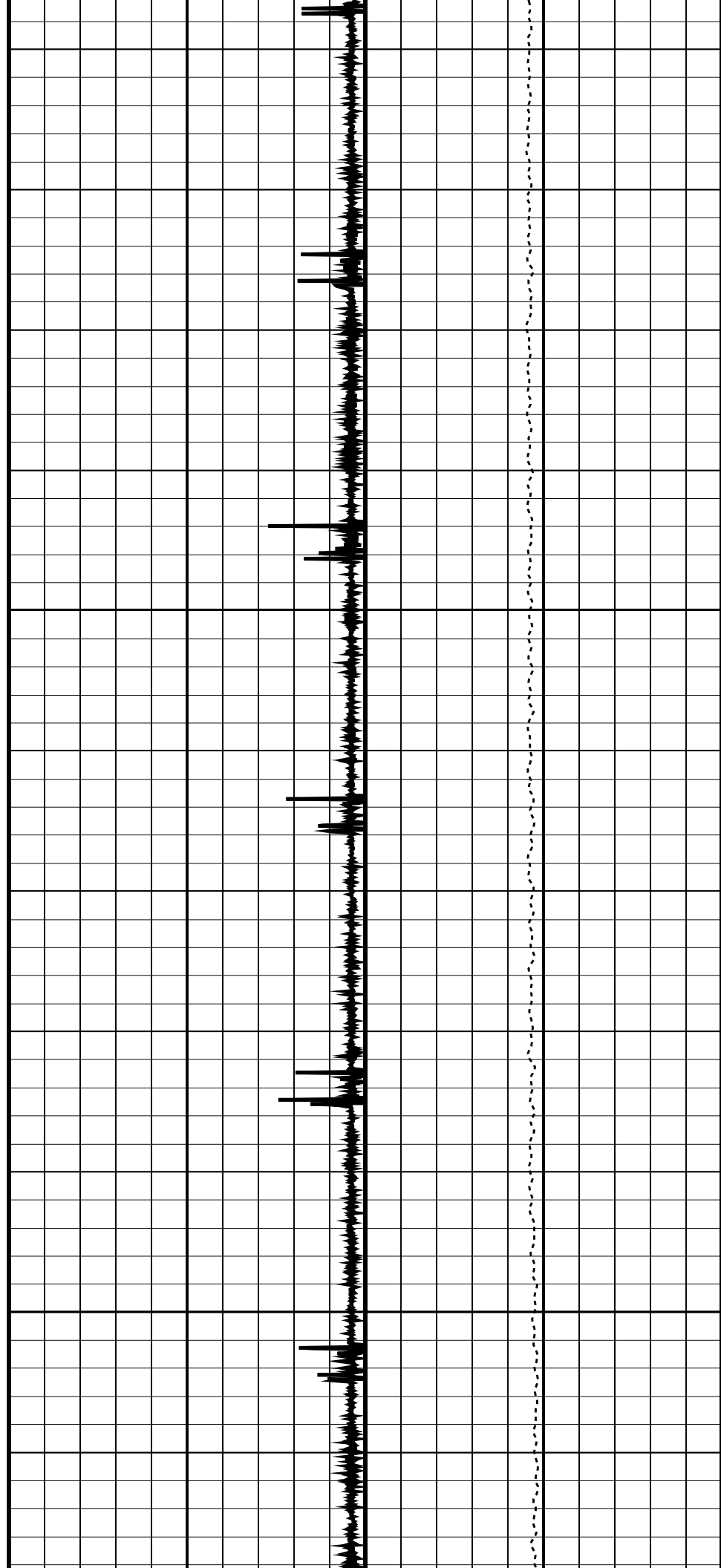
UPCT-A	16C0-147	SHM_GUN	16C0-147
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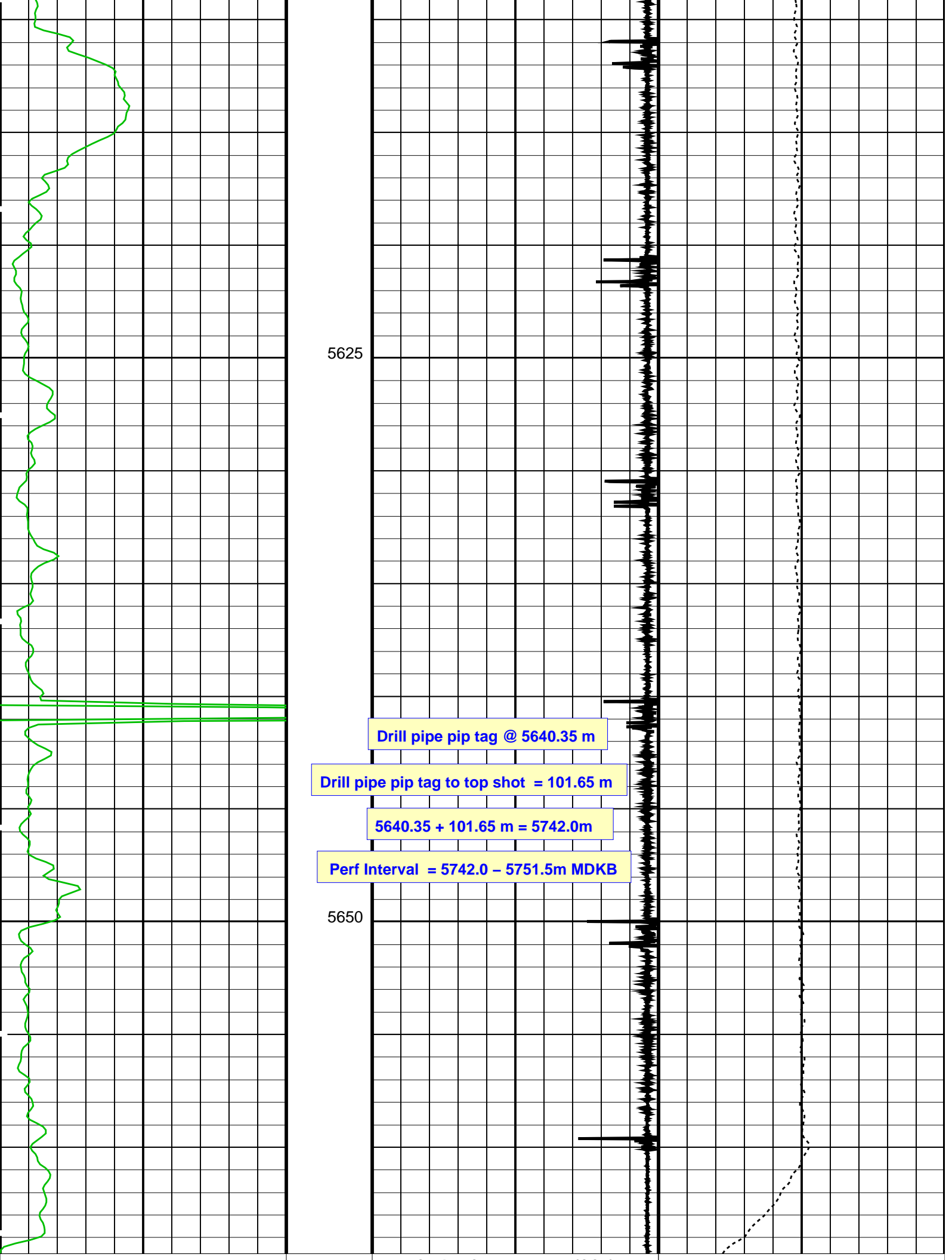
PIP SUMMARY☒ Time Mark Every 60 S



5575

5600





Gamma Ray (GR)			Casing Collar Locator (CCL)		Tension (TENS)	
0	(GAPI)	150	-19	(----	10	(LBF) 5000

PIP SUMMARY

Time Mark Every 60 S

Format: PERFO Vertical Scale: 1:200

Graphics File Created: 17-Jan-2009 04:30

OP System Version: 16C0-147

MCM

UPCT-A	16C0-147	SHM_GUN	16C0-147
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Output DLIS Files

DEFAULT	PERFO_023LUP	FN:28	PRODUCER	17-Jan-2009 04:30
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RTB	PERFO_023LUP	FN:29	PRODUCER	17-Jan-2009 04:30
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Company: **Esso Australia Pty Ltd**

Schlumberger

Well: **SNA A26a**

Field: Bass Strait

Rig: 175

Country: **Australia**

Depth Determination for Max-R setting on DP 17-Jan-2009