

Company: Esso Australia Ltd.

Well: HLA A-6a

Field: Halibut

Rig: Prod 2 / ISS CWU Country: Austrlalia

2 1/8" Phased Enerjet  
MWPT-Perforating record  
PGGT-Perforating record

Prod 2 / ISS CWU  
Halibut  
Gippsland  
HLA A-6a  
Esso Australia Ltd.

LOCATION		
Gippsland		Elev.: K.B. 29.45 m
Basin		G.L. -73 m
Bass Strait		D.F. 29.45 m
Permanent Datum:	Mean Sea Level	Elev.: 0 m
Log Measured From:	Kelly Bushing	29.5 m above Perm. Datum
Drilling Measured From:	Kelly Bushing	
State: Victoria	Max. Well Deviation 63 deg	Longitude 148°19' 07.62"E
		Latitude 38°24' 20.36"S

Logging Date 31-May-2006

Run Number 1

Depth Driller 3445 m

Schlumberger Depth Not tagged

Bottom Log Interval 3338.5 m

Top Log Interval 3329.5 m

Casing Fluid Type Production Fluids

Salinity

Density

Fluid Level

BIT/CASING/TUBING STRING

Bit Size 8.500 in

From 549.5 m

To 3473.5 m

Casing/Tubing Size 7.000 in

Weight 26 lbm/ft

Grade L-80

From 12.8 m

To 3466.5 m

Maximum Recorded Temperatures 108 degC

Logger On Bottom 31-May-2006 21:30

Unit Number 3827 AUSL

Recorded By J Hogan, O Tahmisiic, S Gilbert

Witnessed By J Dean, D Broomfield

PVT DATA		Run 1	Run 2
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	63 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 31-May-2006 21:30

Unit Number 3827 AUSL

Recorded By J Hogan, O Tahmisiic, S Gilbert

Witnessed By J Dean, D Broomfield

Run 4

## DEPTH SUMMARY LISTING

Type:	2-32ZT
Serial Number:	24031
Length:	6249.92 M
Conveyance Method:	Wireline
Rig Type:	Offshore Fixed

## Depth Control Parameters

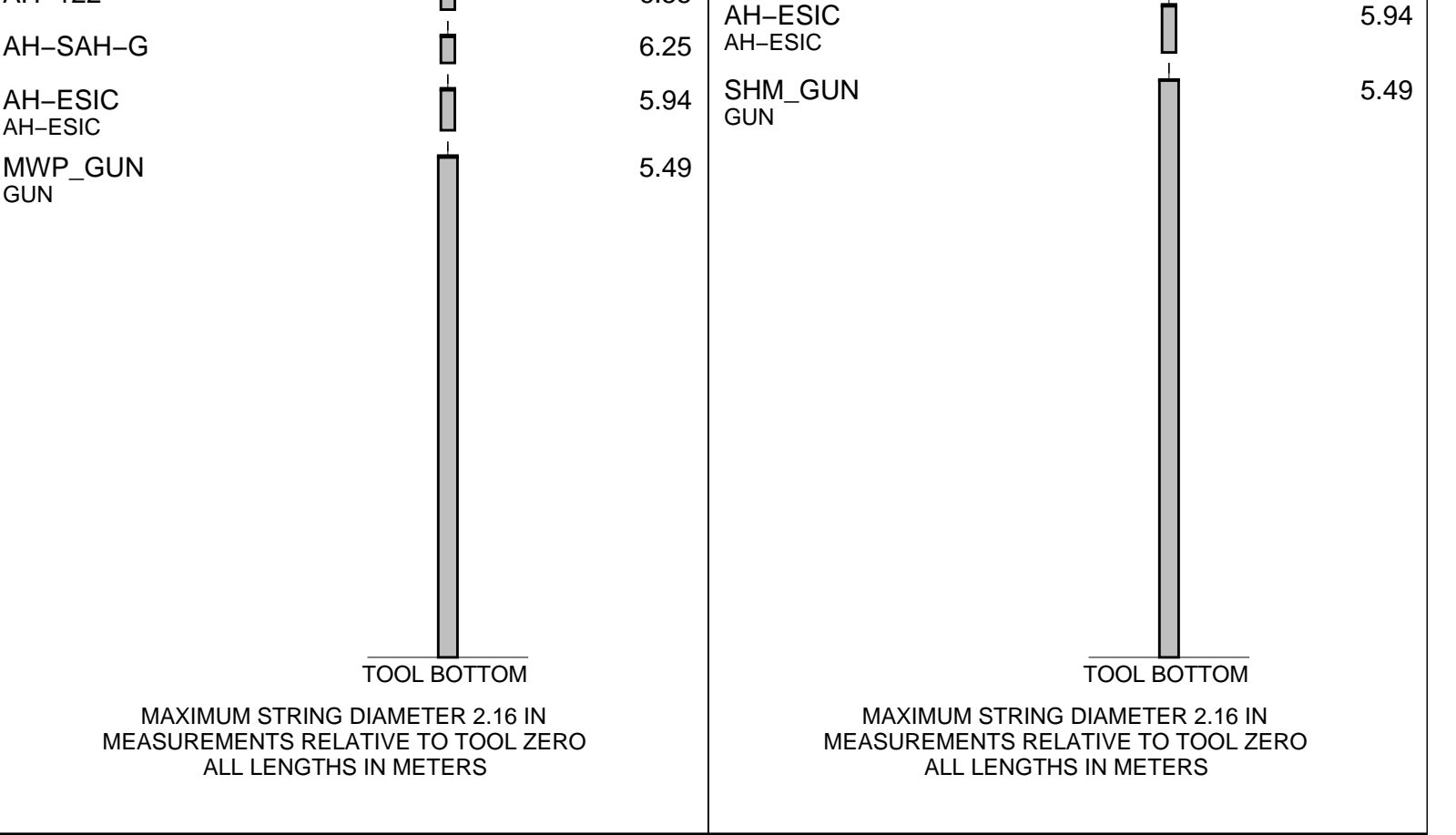
Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Solar Log
Reference Log Run Number:	Unknown
Reference Log Date:	26-Dec-2003

### Depth Control Remarks

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.

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Log correlated to Solar composite log dated 26-Dec-03	
Provided by client.	
Purpose of log- to perforate two intervals,	
Interval one 3336.5MDKB to 3338.5MDKB using MWPT.	
CCL to top shot-4.38m. CCL stop depth-3332.12MDKB.	

SBHP=3370Psia SBHT=226degF					
FBHP=3270Psia FBHT=224degF					
Interval two 3329.5MDKB to 3333MDKB using PGGT.					
CCL to top shot-4.38m, CCL stop depth-3325.12MDKB.					
When RIH run one toolstring held-up at 3048MDKB,					
no issues were found on subsequent run.					
Unable to achieve 300psi underbalance as no open perms in well.					
Schlumberger crew- P Lawrence, B Flynn (days)					
D Stuckey, S Kiss (nights)					
Performed by Schlumberger.					
<b>RUN 1</b> SERVICE ORDER #: L050-3G021 PROGRAM VERSION: 14C0-302 FLUID LEVEL:			<b>RUN 2</b> SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
<b>EQUIPMENT DESCRIPTION</b>					
<b>RUN 1</b>			<b>RUN 2</b>		
<b>SURFACE EQUIPMENT</b>			<b>SURFACE EQUIPMENT</b>		
MWPM-AA			SHM-EA		
<b>DOWNHOLE EQUIPMENT</b>			<b>DOWNHOLE EQUIPMENT</b>		
MH-SWHS-A 14.93 MH-SWHS-A 759 EQF-46 14.45 EQF-46 EQF-46 12.62 EQF-46 AH-124 10.79 MWGT-AA 10.48 MWPG-AA MWPG GR 2.41 MWGH-AA MWPT-CA 9.50 MWPH-AA 10 MWPS-AA 93 CCL SMWP Pres SMWP Temp Tension TOOL ZERO AH-Flex Joint 6.69 AH-122 6.55			MH-SWHS-A 13.08 MH-SWHS-A 759 EQF-46 12.60 EQF-46 EQF-46 10.77 EQF-46 AH-124 8.95 PGGT-C 8.64 PGGC PGGH-A Gamma Ray 0.48 Casing Co Tension TOOL ZERO AH-Flex Joint 6.69 AH-122 6.55 AH-SAH-G 6.25		



Client: Esso Australia Ltd.

Well: HLA A-6a

Field: Halibut

State: Victoria

Country: Australia

Rig Name: Halibut








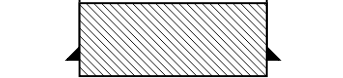
Reference Datum: Kelly Bushing

Elevation: 29.4 m

Drawing Date:

API #:

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Tubing	3.500	2.900	12.1		11.2	10.750	10.050	Casing String
Tubing Hanger	10.750	3.500	12.1		12.8	7.000	6.276	Casing String
					12.8	10.750	7.000	Liner Hanger
Shutin Valve	3.500		138.0					
Gas Lift Mandrel	3.500		750.0		549.5	10.750	10.050	Casing Shoe
Gas Lift Mandrel	3.500		1031.0					
Gas Lift Mandrel	3.500		1463.0					
Gas Lift Mandrel	3.500		1879.0					
Packer	7.000	3.500	3010.0					

Sliding Sleeve	3.500		3028.0		3163.0			Perforation Zone
Packer	7.000	3.500	3170.0					
Sliding Sleeve	3.500		3178.0		3180.5			Perforation Zone
Packer	7.000	3.500	3202.0					
Bell Nipple Guide	3.500		3208.0					
					3329.5			Perforation Zone
					3336.5			Perforation Zone
					3444.0			PBT
					3466.0	7.000	6.276	Casing Shoe