

**Input Source:** D:\OP\_Folder\Clients\Essco\_Australia\_Pty\_Ltd\HLA\_A24a\GUN\HLA A24a Mxar 17-Feb-07\DLIS\COMP\_HLA\_A24A\_MXAR\_013.DLI:  
**Format:** DLIS **Max Record Length:** 8192  
**Storage Set ID:** Default Storage Set **Storage Unit Sequence:** 1

**File Header** File: **PERFO\_006PUP** Sequence: 1

**Defining Origin: 95**

File ID: PERFO\_006PUP File Type: PLAYBACK  
 Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 7 18-DEC-2006 19:43:06  
 Company Name: Esso Australia Pty Ltd.  
 Well Name: HLA A24a  
 Field Name: Halibut  
 Tool String: SHM\_GUN, PGGT-D  
 Computations: WELLCAD

**Error Summary** File: **PERFO\_006PUP** Sequence: 1

No errors detected in file.

**Well Site Data** File: **PERFO\_006PUP** Sequence: 1

**Origin: 95**

**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	HLA A24a	WN
Field Name	Halibut	FN
Rig:	453	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland Basin	FL1
	Halibut	FL2
Service Order Number	L0501G207	SON
Longitude	E 148 19' 13.173"	LONG
Latitude	S 38 24' 15.111"	LATI
Maximum Hole Deviation	38.0 (deg)	MHD
Elevation of Kelly Bushing	29.5 (m)	EKB
Elevation of Ground Level	-72.5 (m)	EGL
Elevation of Derrick Floor	29.5 (m)	EDF
Permanent Datum	Mean Sea Level	PDAT, EPD
Log Measured From	Drill Floor	LMF, APD
Drilling Measured From	Rotary Table	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 29.5 (m)	

Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN

**Job Data**

Date as Month-Day-Year	17-Feb-2007	DATE
Run Number	1	RUN
Total Depth - Driller	2986.0 (m)	TDD
Total Depth - Logger	2930.0 (m)	TDL
Bottom Log Interval	2802.0 (m)	BLI
Top Log Interval	2798.5 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	0.0 (m)	CDF
Casing Depth To	2985.0 (m)	CADT
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	700.0 (m)	BSDF
Bit Size Depth To	2986.0 (m)	BSDT
Date Logger At Bottom	17-Feb-2006	DLAB, TLAB
Logging Unit Number	41	LUN, LUL
Engineer's Name	Chris Rowand	ENGI
Witness's Name	Mr G. Smith / Mr D. Bareswill	WITN
Service Order Number	L0501G207	SON
	Time Logger At Bottom 18:15	
	Logging Unit Location AUSL	

Absent Valued Parameters: CASG

**Mud Data**

Drilling Fluid Type Inhited Seawater  
 Drilling Fluid Density 8.55 (g/cm3)  
 Date Logger At Bottom 17-Feb-2006 Time Logger At Bottom 18:15

DFT  
 DFD  
 DLAB, TLAB

Absent Valued Parameters: DfV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS

**PVT Data**

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

**Cement Data**

Cement Job Type Primary CJT

Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

**Remarks**

Log correlated to Esso Composite Correlation Log provided by the client. R1  
 Objective: Rig up wireline, make up junk basket toolstring with PGGT-D and 6" R2  
 gauge ring, RIH to HUD to ensure that the perforation interval can be reached. R3  
 POOH with junk basket, made up MXAR Gun Hanger and a 4 1/2" HSD gun with powerjet omega R4  
 charges and RIH, correlate to the client provided reference log, set MXAR gun hanger so that the HSD guns R5  
 perforate the interval 2798.5m to 2802.0m MDKB, POOH, rig down. R6  
 Tagged HUD with Junk Basket @ 2930 MDKB. R7  
 CCL to Top Shot = 11.42 M R9  
 Schlumberger Crew: R14  
 Operators = P. Flood & N. Simmons (Days) R15  
 = K.Kerr & S.Bradbury (Nights) R16  
 Specialist = C.Rowand ( Wireline) R.Blok & M.Williams (TCP) R17

**Other Services**

JB OS1

**Channels** File: PERFO\_006PUP Sequence: 1**Origin: 95****SHM\_GUN: GUN**

Spacing: -1.0 in Number of Channels: 1  
 SCCL

**PGGT-D: Powered Gun Gamma Ray - D**

Spacing: -6.0 in Number of Channels: 2  
 GR RGR

Spacing: -1.0 in Number of Channels: 2  
 CCL RCCL

**System and Miscellaneous**

Spacing: -6.0 in Number of Channels: 7  
 BS CS CVEL ETIM TDEP TENS TIME

Spacing: -1.0 in Number of Channels: 5  
 IDWD SCD SCDV TDEP;1 TIME;1

**Frame Summary** File: PERFO\_006PUP Sequence: 1**Origin: 95**

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2941.78	2663.04 m	-60.0 (0.1 in) up	9	TDEP	60B
	9651.50	8737.00 ft				
BOREHOLE-DEPTH	2941.78	2663.06 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	9651.50	8737.08 ft				

**File Header** File: PERFO\_009LUP Sequence: 2**Defining Origin: 41**

File ID: PERFO\_009LUP File Type: DEPTH LOG  
 Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 10 18-DEC-2006 22:29:28

Company Name: Esso Australia Pty Ltd.  
 Well Name: HLA A24a  
 Field Name: Halibut  
 Tool String: SHM\_GUN, PGGT-D  
 Computations: WEI | CAD

**Error Summary**File: **PERFO\_009LUP** Sequence: **2**

No errors detected in file.

**Well Site Data**File: **PERFO\_009LUP** Sequence: **2****Origin: 41****Well Data**

Company Name	Esso Australia Pty Ltd.		CN
Well Name	HLA A24a		WN
Field Name	Gippsland Basin		FN
Rig:	453		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Bass Strait		FL
	Gippsland Basin		FL1
	Halibut		FL2
Service Order Number	L0501G207		SON
Longitude	E 148 19' 13.173"		LONG
Latitude	S 38 24' 15.111"		LATI
Maximum Hole Deviation	38.0 (deg)		MHD
Elevation of Kelly Bushing	29.5 (m)		EKB
Elevation of Ground Level	-72.5 (m)		EGL
Elevation of Derrick Floor	29.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 29.5 (m)	LMF, APD
Drilling Measured From	Rotary Table		DMF

Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN

**Job Data**

Date as Month-Day-Year	17-Feb-2007		DATE
Run Number	1		RUN
Total Depth - Driller	2986.0 (m)		TDD
Total Depth - Logger	2930.0 (m)		TDL
Bottom Log Interval	2802.0 (m)		BLI
Top Log Interval	2798.5 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	0.0 (m)		CDF
Casing Depth To	2985.0 (m)		CADT
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	700.0 (m)		BSDF
Bit Size Depth To	2986.0 (m)		BSDT
Date Logger At Bottom	17-Feb-2006	Time Logger At Bottom 18:15	DLAB, TLAB
Logging Unit Number	41	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	Chris Rowand		ENGI
Witness's Name	Mr G. Smith / Mr D. Bareswill		WITN
Service Order Number	L0501G207		SON

Absent Valued Parameters: CASG

**Mud Data**

Drilling Fluid Type	Inhited Seawater		DFT
Drilling Fluid Density	8.55 (g/cm3)		DFD
Date Logger At Bottom	17-Feb-2006	Time Logger At Bottom 18:15	DLAB, TLAB

Absent Valued Parameters: DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS

**PVT Data**

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

**Cement Data**

Cement Job Type	Primary		CJT
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

**Remarks**

Log correlated to Esso Composite Correlation Log provided by the client.	R1
Objective: Rig up wireline, make up junk basket toolstring with PGGT-D and 6" gauge ring, RIH to HUD to ensure that the perforation interval can be reached.	R2
POOH with junk basket, made up MXAR Gun Hanger and a 4 1/2" HSD gun with powerjet omega charges and RIH, correlate to the client provided reference log, set MXAR gun hanger so that the HSD guns perforate the interval 2798.5m to 2802.0m MDKB, POOH, rig down.	R3
Tagged HUD with Junk Basket @ 2930 MDKB.	R4
CCL to Top Shot = 11.42 M	R5
	R6
	R7
	R9

Schlumberger Crew:  
 Operators = P. Flood & N. Simmons (Days)  
 = K.Kerr & S.Bradbury (Nights)  
 Specialist = C.Rowand ( Wireline) R.Blok & M.Williams (TCP)

R14  
 R15  
 R16  
 R17

**Other Services**

JB

OS1

**Channels** File: **PERFO\_009LUP** Sequence: **2**

**Origin: 41**

**SHM\_GUN: GUN**

Spacing: -1.0 in Number of Channels: 1  
 SCCL

**PGGT-D: Powered Gun Gamma Ray - D**

Spacing: -6.0 in Number of Channels: 2  
 GR RGR

Spacing: -1.0 in Number of Channels: 2  
 CCL RCCL

**System and Miscellaneous**

Spacing: -6.0 in Number of Channels: 7  
 BS CS CVEL ETIM TDEP TENS TIME

Spacing: -1.0 in Number of Channels: 5  
 IDWD SCD SCDV TDEP;1 TIME;1

**Frame Summary** File: **PERFO\_009LUP** Sequence: **2**

**Origin: 41**

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2839.36	2772.46 m	-60.0 (0.1 in) up	9	TDEP	60B
	9315.50	9096.00 ft				
BOREHOLE-DEPTH	2839.36	2772.49 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	9315.50	9096.08 ft				

**File Header** File: **PERFO\_010LUP** Sequence: **3**

**Defining Origin: 41**

File ID: PERFO\_010LUP File Type: DEPTH LOG  
 Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 11 18-DEC-2006 22:42:35  
 Company Name: Esso Australia Pty Ltd.  
 Well Name: HLA A24a  
 Field Name: Halibut  
 Tool String: SHM\_GUN, PGGT-D  
 Computations: WELLCAD

**Error Summary** File: **PERFO\_010LUP** Sequence: **3**

No errors detected in file.

**Well Site Data** File: **PERFO\_010LUP** Sequence: **3**

**Origin: 41**

**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	HLA A24a	WN
Field Name	Gippsland Basin	FN
Rig:	453	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland Basin	FL1
	Halibut	FL2
Service Order Number	L0501G207	SON
Longitude	E 148 19' 13.173"	LONG

Latitude	S 38 24' 15.111"		LATI
Maximum Hole Deviation	38.0 (deg)		MHD
Elevation of Kelly Bushing	29.5 (m)		EKB
Elevation of Ground Level	-72.5 (m)		EGL
Elevation of Derrick Floor	29.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 29.5 (m)	LMF, APD
Drilling Measured From	Rotary Table		DMF

Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN

### Job Data

Date as Month-Day-Year	17-Feb-2007		DATE
Run Number	1		RUN
Total Depth - Driller	2986.0 (m)		TDD
Total Depth - Logger	2930.0 (m)		TDL
Bottom Log Interval	2802.0 (m)		BLI
Top Log Interval	2798.5 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	0.0 (m)		CDF
Casing Depth To	2985.0 (m)		CADT
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	700.0 (m)		BSDF
Bit Size Depth To	2986.0 (m)		BSDT
Date Logger At Bottom	17-Feb-2006	Time Logger At Bottom 18:15	DLAB, TLAB
Logging Unit Number	41	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	Chris Rowand		ENGI
Witness's Name	Mr G. Smith / Mr D. Bareswill		WITN
Service Order Number	L0501G207		SON

Absent Valued Parameters: CASG

### Mud Data

Drilling Fluid Type	Inhited Seawater		DFT
Drilling Fluid Density	8.55 (g/cm3)		DFD
Date Logger At Bottom	17-Feb-2006	Time Logger At Bottom 18:15	DLAB, TLAB

Absent Valued Parameters: DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS

### PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

### Cement Data

Cement Job Type	Primary		CJT
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCY, TCDE, TCWL, TCA

### Remarks

Log correlated to Esso Composite Correlation Log provided by the client.	R1
Objective: Rig up wireline, make up junk basket toolstring with PGGT-D and 6" gauge ring, RIH to HUD to ensure that the perforation interval can be reached.	R2
POOH with junk basket, made up MXAR Gun Hanger and a 4 1/2" HSD gun with powerjet omega charges and RIH, correlate to the client provided reference log, set MXAR gun hanger so that the HSD guns perforate the interval 2798.5m to 2802.0m MDKB, POOH, rig down.	R3
Tagged HUD with Junk Basket @ 2930 MDKB.	R4
CCL to Top Shot = 11.42 M	R5
Schlumberger Crew:	R6
Operators = P. Flood & N. Simmons (Days)	R7
= K.Kerr & S.Bradbury (Nights)	R9
Specialist = C.Rowand ( Wireline) R.Blok & M.Williams (TCP)	R14
	R15
	R16
	R17

### Other Services

JB	OS1
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## Channels

File: **PERFO\_010LUP** Sequence: **3**

### Origin: 41

#### SHM\_GUN: GUN

Spacing: -1.0 in      Number of Channels: 1  
SCCL

#### PGGT-D: Powered Gun Gamma Ray - D

Spacing: -6.0 in      Number of Channels: 2  
GR    RGR

Spacing: -1.0 in      Number of Channels: 2  
CCL    RCCL

### System and Miscellaneous

**System and miscellaneous****Spacing:** -6.0 in**Number of Channels:** 7

BS CS CVEL ETIM TDEP TENS TIME

**Spacing:** -1.0 in**Number of Channels:** 5

IDWD SCD SCDV TDEP;1 TIME;1

**Frame Summary** File: **PERFO\_010LUP** Sequence: **3****Origin: 41**

<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	2840.43	2752.50 m	-60.0 (0.1 in) up	9	TDEP	60B
	9319.00	9030.50 ft				
BOREHOLE-DEPTH	2840.43	2752.37 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	9319.00	9030.08 ft				

**Verification Listing****Listing Completed:** 18-DEC-2006 23:29:14