

**Input Source:** D:\OP\_Folder\Clients\Eso2008\_OP16\TNA\_A-15\GUN\COMP\_TNA\_A15A\_COMP\_061.DLIS  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

**Max Record Length:** 8192  
**Storage Unit Sequence:** 1

**File Header** File: **PSP\_023PUP** Sequence: **1**

**Defining Origin: 103**

File ID: PSP\_023PUP File Type: PLAYBACK  
Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 22 18-NOV-2008 15:31:47  
Company Name: Esso Australia Pty Ltd.  
Well Name: A-15a  
Field Name: Tuna  
Tool String: PSPT-A/B  
Computations: WELLCAD, BORDYN

**Error Summary** File: **PSP\_023PUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **PSP\_023PUP** Sequence: **1**

**Origin: 103**

**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL08356995	SON
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	26.6 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	26.6 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 26.6 (m)	

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

**Job Data**

Date as Month-Day-Year	18-Nov-2008	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	3045.0 (m)	TDD
Total Depth - Logger	3045.0 (m)	TDL
Bottom Log Interval	3035.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	13.3 (m)	CDF
Casing Depth To	3273.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	535.0 (m)	BSDF
Bit Size Depth To	3273.0 (m)	BSDT
Date Logger At Bottom	18-Nov-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert	ENGI
Witness's Name	B White	WITN
Service Order Number	AUSL08356995	SON
	Time Logger At Bottom 11:00	
	Logging Unit Location Prod 4 / AUSL	

**Mud Data**

**Origin: 116**

## Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL08356995	SON
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	26.6 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	26.6 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
Elevation of Permanent Datum 0.0 (m)		
Above Permanent Datum 26.6 (m)		

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

## Job Data

Date as Month-Day-Year	18-Nov-2008	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	3045.0 (m)	TDD
Total Depth - Logger	3045.0 (m)	TDL
Bottom Log Interval	3035.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	13.3 (m)	CDF
Casing Depth To	3273.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	535.0 (m)	BSDF
Bit Size Depth To	3273.0 (m)	BSDT
Date Logger At Bottom	18-Nov-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert	ENGI
Witness's Name	B White	WITN
Service Order Number	AUSL08356995	SON
Time Logger At Bottom 15:00		
Logging Unit Location Prod 4 / AUSL		

## Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	217.0 (degF)	MRT
	217.0 (degF)	MRT1
Date Logger At Bottom	18-Nov-2008	DLAB, TLAB
Time Logger At Bottom 15:00		

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, 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 ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Set a 7" Posiset plug with top of seal at 3035 m MDKB then dump approximately 1m of cement on top.	R2
Perforate the well over the interval 2796.5m to 2797.5m MDKB using a 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.	R3
Maximum Deviation = 61deg @ 2340m MDKB	R4
Top of seal @ 3035 m MDKB	R5
CCL to top of seal = 7m	R6
CCL Stop Depth: 3028 m MDKB	R7
Gun #1 2796.5m to 2797.5m MDKB	R9
Top Shot @ 2796.5m MDKB	R10
CCL to Top Shot = m	R11
CCL Stop Depth = m MDKB	R12
Before Gun Fired: SBHT = degf SBHP = psia	R13
After gun Fired: SBHT = degF SBHP = psia	R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.	R16
Schlumberger crews: C Shiells , G Blandford	R17

## Other Services

None	OS1
------	-----

Sequence: **2**

**Origin: 116**

<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	2593.09 8507.50	2562.15 m 8406.00 ft	-60.0 (0.1 in) up	7	TDEP	60B
BOREHOLE-DEPTH	2593.09 8507.50	2562.17 m 8406.08 ft	-10.0 (0.1 in) up	7	TDEP;1	10B

## Sequence: 3

## Defining Origin: 116

File ID: MPBT\_037LUP File Type: DEPTH LOG

Producer Name: Schlumberger      Product/Version: OP 16C0-147

File Set: 41

File Number: 36

19-NOV-2008 8:13:46

Company Name: Esso Australia Pty Ltd.

Well Name: A-15a

Field Name: Tuna

Tool String: MPEX-7" 26lb/ft Posiset Plug, MPSU-CA, CCL-I

Computations: WELLCAD

## Sequence: 3

No errors detected in file.

## Sequence: 3

**Origin: 116**

## Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod 4	CLAB, COUNT
State:	Victoria	SLAB, STATE
Nation	Australia	NATION
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL08356995	SON
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LAT
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	26.6 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	26.6 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF

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

## Job Data

Date as Month–Day–Year	18–Nov–2008	DATE
Run Number	1 through 5	RUN
Total Depth – Driller	3045.0 (m)	TDD
Total Depth – Logger	3045.0 (m)	TDL
Bottom Log Interval	3035.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	13.3 (m)	CDF
Casing Depth To	3273.0 (m)	CADT
Casing Grade	L–80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Bit Size Depth From	535.0 (m)			BSD	BSD
Bit Size Depth To	3273.0 (m)			DLAB, TLAB	LUN, LUL
Date Logger At Bottom	18–Nov–2008	Time Logger At Bottom	15:00	ENGI	WITN
Logging Unit Number	889	Logging Unit Location	Prod 4 / AUSL	SON	
Engineer's Name	S Gilbert				
Witness's Name	B White				
Service Order Number	AUSL08356995				
<b>Mud Data</b>					
Drilling Fluid Type	Production Fluids			DFT	
Maximum Recorded Temperature	217.0 (degF)			MRT	
	217.0 (degF)			MRT1	
Date Logger At Bottom	18–Nov–2008	Time Logger At Bottom	15:00	DLAB, TLAB	
Absent Valued Parameters: DFD, DFV, DFL, DFP, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS					
<b>PVT Data</b>					
Absent Valued Parameters: ODN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR					
<b>Cement Data</b>					
Cement Job Type	Primary			CJT	
Absent Valued Parameters: CTO, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA					
<b>Remarks</b>					
Log correlated to ExxonMobil Solar Composite Log supplied with logging program.					R1
Objectives: Set a 7" Posiset plug with top of seal at 3035 m MDKB then dump approximately 1m of cement on top.					R2
Perforate the well over the interval 2796.5m to 2797.5m MDKB using a 2–1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.					R3
Maximum Deviation = 61deg @ 2340m MDKB					R4
Top of seal @ 3035 m MDKB					R5
CCL to top of seal = 7m					R6
CCL Stop Depth: 3028 m MDKB					R7
Gun #1 2796.5m to 2797.5m MDKB					R9
Top Shot @ 2796.5m MDKB					R10
CCL to Top Shot = m					R11
CCL Stop Depth = m MDKB					R12
Before Gun Fired: SBHT = degF SBHP = psia					R13
After gun Fired: SBHT = degF SBHP = psia					R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.					R16
Schlumberger crews: C Shiells , G Blandford					R17
<b>Other Services</b>					
None				OS1	

<b>Frame Summary</b> File: <b>MPBT_037LUP</b> Sequence: <b>3</b>						
<b>Origin: 116</b>						
<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	3025.29	2992.22 m	–60.0 (0.1 in) up	7	TDEP	60B
	9925.50	9817.00 ft				
BOREHOLE–DEPTH	3025.29	2992.09 m	–10.0 (0.1 in) up	7	TDEP;1	10B
	9925.50	9816.58 ft				

File Header		File: MPBT_038LUP	Sequence: 4
Defining Origin: 116			
File ID: MPBT_038LUP		File Type: DEPTH LOG	
Producer Name: Schlumberger		Product/Version: OP 16C0-147	File Set: 41
		File Number: 37	19-NOV-2008 8:25:05
Company Name:	Esso Australia Pty Ltd.		
Well Name:	A-15a		
Field Name:	Tuna		
Tool String:	MPEX-7" 26lb/ft Posiset Plug, MPSU-CA, CCL-I		
Computations:	WELLCAD		

<b>Error Summary</b> File: <b>MPBT_038LUP</b> Sequence: <b>4</b>						
No errors detected in file.						

<b>Well Site Data</b> File: <b>MPBT_038LUP</b> Sequence: <b>4</b>						
<b>Origin: 116</b>						
<b>Well Data</b>						
Company Name	Esso Australia Pty Ltd.					

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL08356995	SON
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	26.6 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	26.6 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
Elevation of Permanent Datum 0.0 (m)		
Above Permanent Datum 26.6 (m)		

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

Job Data

Date as Month–Day–Year	18–Nov–2008		DATE
Run Number	1 through 5		RUN
Total Depth – Driller	3045.0 (m)		TDD
Total Depth – Logger	3045.0 (m)		TDL
Bottom Log Interval	3035.0 (m)		BLI
Top Log Interval	2550.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L–80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	535.0 (m)		BSDF
Bit Size Depth To	3273.0 (m)		BSDT
Date Logger At Bottom	18–Nov–2008	Time Logger At Bottom 15:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert		ENGI
Witness's Name	B White		WITN
Service Order Number	AUSL08356995		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	217.0 (degF)		MRT
	217.0 (degF)		MRT1
Date Logger At Bottom	18–Nov–2008	Time Logger At Bottom 15:00	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, 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 ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Set a 7" Posiset plug with top of seal at 3035 m MDKB then dump approximately 1m of cement on top.	R2
Perforate the well over the interval 2796.5m to 2797.5m MDKB using a 2–1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.	R3
Maximum Deviation = 61deg @ 2340m MDKB	R4
Top of seal @ 3035 m MDKB	R5
CCL to top of seal = 7m	R6
CCL Stop Depth: 3028 m MDKB	R7
Gun #1 2796.5m to 2797.5m MDKB	R9
Top Shot @ 2796.5m MDKB	R10
CCL to Top Shot = m	R11
CCL Stop Depth = m MDKB	R12
Before Gun Fired: SBHT = degF SBHP = psia	R13
After gun Fired: SBHT = degF SBHP = psia	R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.	R16
Schlumberger crews: C Shiells , G Blandford	R17

Other Services

None	OS1
------	-----

Origin: 116

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	12192.00	11797.59 m	-60.0 (0.1 in) up	7	TDEP	60B
	40000.00	38706.00 ft				
BOREHOLE-DEPTH	12192.00	11797.61 m	-10.0 (0.1 in) up	4	TDEP,1	10B
	40000.00	38706.08 ft				

File Header

File: MPBT\_039LUP Sequence: 5

Defining Origin: 116

File ID: MPBT\_039LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 16C0-147

File Set: 41

File Number: 38

19-NOV-2008 8:51:52

Company Name: Esso Australia Pty Ltd.

Well Name: A-15a

Field Name: Tuna

Tool String: MPEX-7" 26lb/ft Posiset Plug, MPSU-CA, CCL-I

Computations: WELLCAD

Error Summary

File: MPBT\_039LUP Sequence: 5

No errors detected in file.

Well Site Data

File: MPBT\_039LUP Sequence: 5

Origin: 116

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL08356995	SON
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	26.6 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	26.6 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 26.6 (m)	

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

Job Data

Date as Month-Day-Year	18-Nov-2008	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	3045.0 (m)	TDD
Total Depth - Logger	3045.0 (m)	TDL
Bottom Log Interval	3035.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	13.3 (m)	CDF
Casing Depth To	3273.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI

Bit Size	8.50 (in)				BS
Bit Size Depth From	535.0 (m)				BSDF
Bit Size Depth To	3273.0 (m)				BSDT
Date Logger At Bottom	18–Nov–2008	Time Logger At Bottom	15:00		DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod 4 / AUSL		LUN, LUL
Engineer's Name	S Gilbert				ENGI
Witness's Name	B White				WITN
Service Order Number	AUSL08356995				SON
Mud Data					
Drilling Fluid Type	Production Fluids				DFT
Maximum Recorded Temperature	217.0 (degF)				MRT
	217.0 (degF)				MRT1
Date Logger At Bottom	18–Nov–2008	Time Logger At Bottom	15:00		DLAB, TLAB
Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, 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 ExxonMobil Solar Composite Log supplied with logging program.					R1
Objectives: Set a 7" Posiset plug with top of seal at 3035 m MDKB then dump approximately 1m of cement on top.					R2
Perforate the well over the interval 2796.5m to 2797.5m MDKB using a 2–1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.					R3
Maximum Deviation = 61deg @ 2340m MDKB					R4
Top of seal @ 3035 m MDKB					R5
CCL to top of seal = 7m					R6
CCL Stop Depth: 3028 m MDKB					R7
Gun #1 2796.5m to 2797.5m MDKB					R9
Top Shot @ 2796.5m MDKB					R10
CCL to Top Shot = m					R11
CCL Stop Depth = m MDKB					R12
Before Gun Fired: SBHT = degf SBHP = psia					R13
After gun Fired: SBHT = degF SBHP = psia					R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.					R16
Schlumberger crews: C Shiells , G Blandford					R17
Other Services					
None					OS1

Frame Summary	File: MPBT_039LUP	Sequence: 5
---------------	-------------------	-------------

Origin: 116						
<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	3027.88	2974.09 m	–60.0 (0.1 in) up	7	TDEP	60B
	9934.00	9757.50 ft				
BOREHOLE–DEPTH	3027.88	2974.11 m	–10.0 (0.1 in) up	7	TDEP;1	10B
	9934.00	9757.58 ft				

File Header	File: PERFO_043LUP	Sequence: 6
-------------	--------------------	-------------

Defining Origin: 8					
File ID: PERFO_043LUP	File Type: DEPTH LOG				
Producer Name: Schlumberger	Product/Version: OP 16C0–147	File Set: 41	File Number: 42	19–NOV–2008 11:17:02	
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A–15a				
Field Name:	Tuna				
Tool String:	SHM_GUN, CCL–L				
Computations:	WELLCAD				

Error Summary	File: PERFO_043LUP	Sequence: 6
---------------	--------------------	-------------

No errors detected in file
----------------------------



**Well Site Data**File: **PERFO\_043LUP** Sequence: **6****Origin: 8****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL08356995	SON
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	26.6 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	26.6 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 26.6 (m)	

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

**Job Data**

Date as Month-Day-Year	18-Nov-2008	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	3045.0 (m)	TDD
Total Depth - Logger	3045.0 (m)	TDL
Bottom Log Interval	3035.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	13.3 (m)	CDF
Casing Depth To	3273.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	535.0 (m)	BSDF
Bit Size Depth To	3273.0 (m)	BSDT
Date Logger At Bottom	18-Nov-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert	ENGI
Witness's Name	B White	WITN
Service Order Number	AUSL08356995	SON
	Time Logger At Bottom 15:00	
	Logging Unit Location Prod 4 / AUSL	

**Mud Data**

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	217.0 (degF)	MRT
	217.0 (degF)	MRT1
Date Logger At Bottom	18-Nov-2008	DLAB, TLAB
	Time Logger At Bottom 15:00	

Absent Valued Parameters: DFD, DFV, DFL, DFP, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, 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 ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Set a 7" Posiset plug with top of seal at 3035 m MDKB then dump approximately 1m of cement on top.	R2
Perforate the well over the interval 2796.5m to 2797.5m MDKB using a 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.	R3
Maximum Deviation = 61deg @ 2340m MDKB	R4
Top of seal @ 3035 m MDKB	R5
CCL to top of seal = 7m	R6
CCL Stop Depth: 3028 m MDKB	R7
Gun #1 2796.5m to 2797.5m MDKB	R9
Top Shot @ 2796.5m MDKB	R10
CCL to Top Shot = m	R11
CCL Stop Depth = m MDKB	R12
Before Gun Fired: SRHT = denf SRHP = nsia	R13

Before Gun Fired: SBHT = degF SBHP = psia	R10
After gun Fired: SBHT = degF SBHP = psia	R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.	R16
Schlumberger crews: C Shiells , G Blandford	R17
Other Services	
None	OS1

Frame Summary		File: PERFO_043LUP	Sequence: 6			
Origin: 8						
<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	3026.36	2974.70 m	-60.0 (0.1 in) up	7	TDEP	60B
	9929.00	9759.50 ft				
BOREHOLE-DEPTH	3026.36	2974.72 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	9929.00	9759.58 ft				

File Header	File: PERFO_046LUP	Sequence: 7
Defining Origin: 8		
File ID: PERFO_046LUP	File Type: DEPTH LOG	
Producer Name: Schlumberger	Product/Version: OP 16C0-147	File Set: 41
		File Number: 45
		19-NOV-2008 13:17:21
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A-15a	
Field Name:	Tuna	
Tool String:	SHM_GUN, CCL-L	
Computations:	WELLCAD	

Error Summary	File: PERFO_046LUP	Sequence: 7
No errors detected in file.		

Well Site Data	File: PERFO_046LUP	Sequence: 7
Origin: 8		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL08356995	SON
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	26.6 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	26.6 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum	0.0 (m)
	Above Permanent Datum	26.6 (m)
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN		

Job Data		
Date as Month-Day-Year	18-Nov-2008	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	3045.0 (m)	TDD
Total Depth - Logger	3045.0 (m)	TDL
Bottom Log Interval	3035.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	13.3 (m)	CDF
Casing Depth To	3273.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	535.0 (m)	BSDF

Bit Size Depth To	3273.0 (m)	Time Logger At Bottom	15:00	BSDT
Date Logger At Bottom	18–Nov–2008	Logging Unit Location	Prod 4 / AUSL	DLAB, TLAB
Logging Unit Number	889			LUN, LUL
Engineer's Name	S Gilbert			ENGI
Witness's Name	B White			WITN
Service Order Number	AUSL08356995			SON
<b>Mud Data</b>				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	217.0 (degF)			MRT
	217.0 (degF)			MRT1
Date Logger At Bottom	18–Nov–2008	Time Logger At Bottom	15:00	DLAB, TLAB
Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS				
<b>PVT Data</b>				
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR				
<b>Cement Data</b>				
Cement Job Type	Primary			CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA				
<b>Remarks</b>				
Log correlated to ExxonMobil Solar Composite Log supplied with logging program.				R1
Objectives: Set a 7" Posiset plug with top of seal at 3035 m MDKB then dump approximately 1m of cement on top.				R2
Perforate the well over the interval 2796.5m to 2797.5m MDKB using a 2–1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.				R3
Maximum Deviation = 61deg @ 2340m MDKB				R4
Top of seal @ 3035 m MDKB				R5
CCL to top of seal = 7m				R6
CCL Stop Depth: 3028 m MDKB				R7
Gun #1 2796.5m to 2797.5m MDKB				R9
Top Shot @ 2796.5m MDKB				R10
CCL to Top Shot = m				R11
CCL Stop Depth = m MDKB				R12
Before Gun Fired: SBHT = degf SBHP = psia				R13
After gun Fired: SBHT = degF SBHP = psia				R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.				R16
Schlumberger crews: C Shiells , G Blandford				R17
<b>Other Services</b>				
None				OS1

<b>Frame Summary</b> File: <b>PERFO_046LUP</b> Sequence: <b>7</b>						
<b>Origin: 8</b>						
<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	3025.60	2971.19 m	–60.0 (0.1 in) up	7	TDEP	60B
	9926.50	9748.00 ft				
BOREHOLE–DEPTH	3025.60	2971.22 m	–10.0 (0.1 in) up	7	TDEP,1	10B
	9926.50	9748.08 ft				

<b>File Header</b>	File: <b>PERFO_056LUP</b>	Sequence: <b>8</b>
<b>Defining Origin: 38</b>		
File ID: PERFO_056LUP    File Type: DEPTH LOG		
Producer Name: Schlumberger      Product/Version: OP 16C0–147      File Set: 41      File Number: 55      20–NOV–2008 8:00:56		
Company Name: Esso Australia Pty Ltd.		
Well Name: A–15a		
Field Name: Tuna		
Tool String: MWP_GUN, MWPT–CA, MWGT–AA		
Computations: WELLCAD, BORDYN		

<b>Error Summary</b>	File: <b>PERFO_056LUP</b>	Sequence: <b>8</b>
----------------------	---------------------------	--------------------

Origin: 38

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-15a		WN
Field Name	Tuna		FN
Rig:	Crane / Prod 4		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	AUSL08356995		SON
Longitude	148° 25' 05.29"E		LONG
Latitude	38° 10' 16.00"S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	26.6 (m)		EKB
Elevation of Ground Level	91.4 (m)		EGL
Elevation of Derrick Floor	26.6 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 26.6 (m)	LMF, APD
Drilling Measured From	K.B		DMF

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

Job Data

Date as Month-Day-Year	18-Nov-2008		DATE
Run Number	1 through 5		RUN
Total Depth – Driller	3045.0 (m)		TDD
Total Depth – Logger	3045.0 (m)		TDL
Bottom Log Interval	3035.0 (m)		BLI
Top Log Interval	2550.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	535.0 (m)		BSDF
Bit Size Depth To	3273.0 (m)		BSDT
Date Logger At Bottom	18-Nov-2008	Time Logger At Bottom 15:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert		ENGI
Witness's Name	B White		WITN
Service Order Number	AUSL08356995		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	217.0 (degF)		MRT
	217.0 (degF)		MRT1
Date Logger At Bottom	18-Nov-2008	Time Logger At Bottom 15:00	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, 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 ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Set a 7" Posiset plug with top of seal at 3035 m MDKB then dump approximately 1m of cement on top.	R2
Perforate the well over the interval 2796.5m to 2797.5m MDKB using a 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.	R3
Maximum Deviation = 61deg @ 2340m MDKB	R4
Top of seal @ 3035 m MDKB	R5
CCL to top of seal = 7m	R6
CCL Stop Depth: 3028 m MDKB	R7
Gun #1 2796.5m to 2797.5m MDKB	R9
Top Shot @ 2796.5m MDKB	R10
CCL to Top Shot = 3.5m	R11
CCL Stop Depth = 2793m MDKB	R12

R13  
R14  
R16  
R17

None	OS1
------	-----

<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	2816.35	2772.31 m	-60.0 (0.1 in) up	22	TDEP	60B
	9240.00	9095.50 ft				
BOREHOLE-DEPTH	2816.35	2772.33 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	9240.00	9095.58 ft				

File ID: PERFO\_057LUP File Type: DEPTH LOG  
 Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 56 20-NOV-2008 8:07:27  
 Company Name: Esso Australia Pty Ltd.  
 Well Name: A-15a  
 Field Name: Tuna  
 Tool String: MWP\_GUN, MWPT-CA, MWGT-AA  
 Computations: WELLCAD, BORDYN

No errors detected in file.

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL08356995	SON
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	26.6 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	26.6 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF

Date as Month–Day–Year	18–Nov–2008	DATE
Run Number	1 through 5	RUN
Total Depth – Driller	3045.0 (m)	TDD
Total Depth – Logger	3045.0 (m)	TDL
Bottom Log Interval	3035.0 (m)	BLI



Origin: 38

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL08356995	SON
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	26.6 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	26.6 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
Elevation of Permanent Datum 0.0 (m)		
Above Permanent Datum 26.6 (m)		

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

Job Data

Date as Month-Day-Year	18-Nov-2008	DATE
Run Number	1 through 5	RUN
Total Depth – Driller	3045.0 (m)	TDD
Total Depth – Logger	3045.0 (m)	TDL
Bottom Log Interval	3035.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	13.3 (m)	CDF
Casing Depth To	3273.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	535.0 (m)	BSDF
Bit Size Depth To	3273.0 (m)	BSDT
Date Logger At Bottom	18-Nov-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert	ENGI
Witness's Name	B White	WITN
Service Order Number	AUSL08356995	SON
Time Logger At Bottom 15:00		
Logging Unit Location Prod 4 / AUSL		

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	217.0 (degF)	MRT
	217.0 (degF)	MRT1
Date Logger At Bottom	18-Nov-2008	DLAB, TLAB
Time Logger At Bottom 15:00		

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, 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 ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Set a 7" Posiset plug with top of seal at 3035 m MDKB then dump approximately 1m of cement on top.	R2
Perforate the well over the interval 2796.5m to 2797.5m MDKB using a 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.	R3
Maximum Deviation = 61deg @ 2340m MDKB	R4
Top of seal @ 3035 m MDKB	R5
CCL to top of seal = 7m	R6
CCL Stop Depth: 3028 m MDKB	R7
Gun #1 2796.5m to 2797.5m MDKB	R9
Top Shot @ 2796.5m MDKB	R10
CCL to Top Shot = 3.5m	R11
CCL Stop Depth = 2793m MDKB	R12
Before Gun Fired: SBHT = degF SBHP = psia	R13
After gun Fired: SBHT = degF SBHP = psia	R14

After gun fired: SDR1 = 0 degf SDR11 = 0 psi  
2.13 Dummy Plug Ran to ensure access for Posiset Plug.  
Schlumberger crews: C Shiells , G Blandford

R14  
R16  
R17

## Other Services

None OS1

## Frame Summary

File: **PERFO\_058LTP** Sequence: **10**

### Origin: 38

<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	2732.25	3347.25 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	2732.25	3347.25 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	2732.25	3347.25 s	500.0 (0.5 ms)	4	TIME;5	500T



## Verification Listing

Listing Completed: 20-NOV-2008 8:38:57