

**Input Source:** D:\OP\_Folder\Clients\Eso2008\FTA-A4Cb\GUN\COMP\_COMP\_COMP\_044.DLIS  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

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

**File Header** File: **PERFO\_037LUP** Sequence: **1**

**Defining Origin: 41**

File ID: PERFO\_037LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 35

13-JUL-2008 23:10:22

Company Name: Esso Australia Pty Ltd  
Well Name: FTA-A4c  
Field Name: Fortescue  
Tool String: SHM\_GUN, CCL-L  
Computations: WELLCAD

**Error Summary** File: **PERFO\_037LUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **PERFO\_037LUP** Sequence: **1**

**Origin: 41**

**Well Data**

Company Name	Esso Australia Pty Ltd	CN
Well Name	FTA-A4c	WN
Field Name	Fortescue	FN
Rig:	Crane/Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Longitude	148 16'36.62"E	LONG
Latitude	38 24'31.39"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	42.5 (m)	EKB
Elevation of Ground Level	-69.0 (m)	EGL
Elevation of Derrick Floor	42.5 (m)	EDF
Permanent Datum	MSL	PDAT, EPD
Log Measured From	DF	LMF, APD
Drilling Measured From	DF	DMF
	Elevation of Permanent Datum	0.0 (m)
	Above Permanent Datum	42.5 (m)

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

**Job Data**

Date as Month-Day-Year	13-Jul-2008	DATE
Run Number	1	RUN
Total Depth - Driller	3209.0 (m)	TDD
Total Depth - Logger	3202.0 (m)	TDL
Bottom Log Interval	3200.0 (m)	BLI
Top Log Interval	3181.5 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	23.1 (m)	CDF
Casing Depth To	3290.7 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	13-Jul-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright, M Pratt.	ENGI
Witness's Name	G Rimmer, J Digiovanni	WITN
	Time Logger At Bottom	11:50
	Logging Unit Location	AUSL/Prod 4

Absent Valued Parameters: BSDF, BSDT, SON

**Mud Data**

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	107.8 (degC)	MRT

Date Logger At Bottom107.8 (degC)13-Jul-2008Time Logger At Bottom11:50MRT1DLAB, TLAB

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: ODN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

Cement Data

Cement Job TypePrimaryCJT

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

Remarks

Log correlated to Solar composite log provided by client.

Objective: Perforate zone 3181.5m to 3183.0m with 2-1/8" Powerjet.

Set 7" Posiset Plug @ 3200m MDKB using MPBT.

Dump approximately 1m of cement on top of seal.

Maximum deviation 61 deg @ 2075m MBKB.

Gun # 1

Top shot @ 3181.5m MDKB

CCL to Top shot: 4m

CCL Stop depth: 3177.5m MDKB

Plug # 1

Top of seal @ 3200m MDKB

CCL to Top of seal: 6.8m

CCL stop depth: 3193.2m MDKB

SBHT = 226 degF

SBHP= 3114.9 psia

Crew: C Sheills, D Hiskins (Days)

G Martin, R Murray

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R12

R13

R14

R15

R16

R17

Channels

File: PERFO\_037LUPSequence: 1

Origin: 41

CCL-L: Casing Collar Locator

Spacing: -1.0 inNumber of Channels: 1

CCL

System and Miscellaneous

Spacing: -6.0 inNumber of Channels: 7

BS

CS

CVEL

ETIM

TDEP

TENS

TIME

Spacing: -1.0 inNumber of Channels: 6

IDWD

SCCL

SCD

SCDV

TDEP;1

TIME;1

Frame Summary

File: PERFO\_037LUPSequence: 1

Origin: 41

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3202.84	3117.49 m	-60.0 (0.1 in) up	7	TDEP	60B
	10508.00	10228.00 ft				
BOREHOLE-DEPTH	3202.84	3117.52 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	10508.00	10228.08 ft				

File Header

File: PERFO\_031LUPSequence: 2

Defining Origin: 41

File ID: PERFO\_031LUPFile Type: DEPTH LOG

Producer Name: SchlumbergerProduct/Version: OP 15C0-309File Set: 41File Number: 2913-JUL-2008 20:31:30

Company Name:

Well Name:

Field Name:

Tool String:

Computations:

Esso Australia Pty Ltd

FTA-A4c

Fortescue

SHM\_GUN, CCL-L

WEI I CAD

Computations: WELLSUM		
<b>Error Summary</b>	File: <b>PERFO_031LUP</b>	Sequence: <b>2</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>PERFO_031LUP</b>	Sequence: <b>2</b>
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**Origin: 41**

**Well Data**

Company Name	Esso Australia Pty Ltd		CN
Well Name	FTA-A4c		WN
Field Name	Fortescue		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	Ausl08509125		SON
Longitude	148 16'36.62"E		LONG
Latitude	38 24'31.39"S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	42.5 (m)		EKB
Elevation of Ground Level	-69.0 (m)		EGL
Elevation of Derrick Floor	42.5 (m)		EDF
Permanent Datum	MSL	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	DF	Above Permanent Datum 42.5 (m)	LMF, APD
Drilling Measured From	DF		DMF

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

**Job Data**

Date as Month-Day-Year	13-Jul-2008		DATE
Run Number	1		RUN
Total Depth - Driller	3209.0 (m)		TDD
Total Depth - Logger	3209.0 (m)		TDL
Bottom Log Interval	3209.0 (m)		BLI
Top Log Interval	3150.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	23.1 (m)		CDF
Casing Depth To	3290.7 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	13-Jul-2008		DLAB
Logging Unit Number	889	Logging Unit Location AUSL/Prod 4	LUN, LUL
Engineer's Name	G Wright, M Pratt.		ENGI
Witness's Name	G Rimmer, JD.		WITN
Service Order Number	Ausl08509125		SON

Absent Valued Parameters: BSDF, BSDT, TLAB

**Mud Data**

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	107.8 (degC)		MRT
	107.8 (degC)		MRT1
Date Logger At Bottom	13-Jul-2008		DLAB

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

<b>PVT Data</b>	
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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 Solar composite log provided by client.		R1
Objective: Perforate zone 3181.5m to 3183.0m with 2-1/8" Powerjet.		R2
Set 7" Posiset Plug @ 3200m MDKB using MPBT.		R3
Dump approximately 1m of cement on top of seal.		R4
Maximum deviation 61 deg @ 2075m MBKB.		R5
Gun # 1		R6
Top shot @ 3181.5m MDKB		R7
CCL to Top shot: 4m		R8

CCL Stop depth:	R9
Plug # 1	R10
Top of seal @ m MDKB	R11
CCL to Top of seal: 6.8m	R12
CCL stop depth: 3193.2m MDKB	R13
SBHT = 226 degF	R14
SBHP= 3114.9 psia	R15
Crew: C Sheills, D Hiskins (Days)	R16
G Martin, R Murray	R17

Channels		File: PERFO_031LUP	Sequence: 2
Origin: 41			
CCL–L: Casing Collar Locator			
Spacing: –1.0 in		Number of Channels: 1	
CCL			
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: 6	
IDWD	SCCL	SCD	SCDV
		TDEP;1	TIME;1

Frame Summary		File: PERFO_031LUP	Sequence: 2			
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	3197.81	3116.73 m	-60.0 (0.1 in) up	7	TDEP	60B
	10491.50	10225.50 ft				
BOREHOLE-DEPTH	3197.81	3116.61 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	10491.50	10225.08 ft				

File Header		File: CCL_019LUP	Sequence: 3
Defining Origin: 74			
File ID: CCL_019LUP    File Type: DEPTH LOG			
Producer Name: Schlumberger		Product/Version: OP 15C0–309	File Set: 41
		File Number: 18	13–JUL–2008 17:04:10
Company Name:	Esso Australia Pty Ltd		
Well Name:	FTA–A4c		
Field Name:	Fortescue		
Tool String:	MPEX–EA_L, MPSU–BA, CCL–		
Computations:	WELLCAD		

<b>Error Summary</b>	File: <b>CCL_019LUP</b>	Sequence: <b>3</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>CCL_019LUP</b>	Sequence: <b>3</b>
<b>Origin: 74</b>		
<b>Well Data</b>		
Company Name	Esso Australia Pty Ltd	CN
Well Name	FTA–A4c	WN
Field Name	Fortescue	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	Ausl08509125	SON
Longitude	148 16'36.62"E	LONG

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

Date as Month-Day-Year	13-Jul-2008		DATE
Run Number	1		RUN
Total Depth – Driller	3209.0 (m)		TDD
Total Depth – Logger	3209.0 (m)		TDL
Bottom Log Interval	3209.0 (m)		BLI
Top Log Interval	3150.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	23.1 (m)		CDF
Casing Depth To	3290.7 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	13-Jul-2008		DLAB
Logging Unit Number	889	Logging Unit Location	AUSL/Prod 4
Engineer's Name	G Wright, M Pratt.		LUN, LUL
Witness's Name	G Rimmer, JD.		ENGI
Service Order Number	Ausl08509125		WITN
			SON

### Absent Valued Parameters: BSDF, BSDT, TLAB

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	107.8 (degC)	MRT
	107.8 (degC)	MRT1
Date Logger At Bottom	13-Jul-2008	DLAB

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

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

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

Log correlated to Solar composite log provided by client.	R1
Objective: Set a 7" Posiset Plug using MPBT, with top of seal surface at 3200m.	R2
Dump approximately 1m of cement on top of seal.	R3
Maximum deviation 61 deg @ 2075m MDKB.	R4
Plug # 1	R6
Top of seal: 3200m MDKB.	R7
CCL to Top of seal: 6.8m	R8
Crew: C Sheills, D Hiskins (Days)	R16
G Martin, C Marshall	R17

File: **CCL\_019LUP** Sequence: **3**

## MPSU-BA: MECHANICAL PLUGBACK SETTING UNIT \_\_\_\_\_

SCCL

## BS CS CVEL ETIM TDEP TENS TIME

**Spacing:** -1.0 in  
TDEP;1 TIME;1

Frame Summary

File: CCL\_019LUP

Sequence: 3

Origin: 74						
<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	12192.00	11888.42 m	-60.0 (0.1 in) up	7	TDEP	60B
	40000.00	39004.00 ft				
BOREHOLE-DEPTH	12192.00	11888.44 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00	39004.08 ft				

File Header

File: CCL\_022PUP

Sequence: 4

Defining Origin: 74					
File ID: CCL_022PUP   File Type: PLAYBACK					
Producer Name: Schlumberger		Product/Version: OP 15C0-309		File Set: 41	File Number: 20
13-JUL-2008 17:32:31					
Company Name:		Esso Australia Pty Ltd			
Well Name:		FTA-A4c			
Field Name:		Fortescue			
Tool String:		MPEX-EA_L, MPSU-BA, CCL-			
Computations:		WELLCAD			

Error Summary

File: CCL\_022PUP

Sequence: 4

No errors detected in file.
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Well Site Data

File: CCL\_022PUP

Sequence: 4

Origin: 74			
Well Data			
Company Name	Esso Australia Pty Ltd		CN
Well Name	FTA-A4c		WN
Field Name	Fortescue		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	Ausl08509125		SON
Longitude	148 16'36.62"E		LONG
Latitude	38 24'31.39"S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	42.5 (m)		EKB
Elevation of Ground Level	-69.0 (m)		EGL
Elevation of Derrick Floor	42.5 (m)		EDF
Permanent Datum	MSL	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	DF	Above Permanent Datum 42.5 (m)	LMF, APD
Drilling Measured From	DF		DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN			

Job Data			
Date as Month-Day-Year	13-Jul-2008		DATE
Run Number	1		RUN
Total Depth - Driller	3209.0 (m)		TDD
Total Depth - Logger	3209.0 (m)		TDL
Bottom Log Interval	3209.0 (m)		BLI
Top Log Interval	3150.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	23.1 (m)		CDF
Casing Depth To	3290.7 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI

Bit Size8.50 (in)

Date Logger At Bottom13-Jul-2008

Logging Unit Number889

Engineer's NameG Wright, M Pratt.

Witness's NameG Rimmer, JD.

Service Order NumberAusl08509125

BS

DLAB

LUN, LUL

ENGI

WITN

SON

Absent Valued Parameters: BSDF, BSDT, TLAB

Mud Data

Drilling Fluid TypeProduction Fluids

Maximum Recorded Temperature107.8 (degC)

107.8 (degC)

Date Logger At Bottom13-Jul-2008

DFT

MRT

MRT1

DLAB

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

PVT Data

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

Cement Data

Cement Job TypePrimary

CJT

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

Remarks

Log correlated to Solar composite log provided by client.

Objective: Set a 7" Posiset Plug using MPBT, with top of seal surface at 3200m.

Dump approximately 1m of cement on top of seal.

Maximum deviation 61 deg @ 2075m MDKB.

Plug # 1

Top of seal: 3200m MDKB.

CCL to Top of seal: 6.8m

Crew: C Sheills, D Hiskins (Days)

G Martin, C Marshall

R1

R2

R3

R4

R6

R7

R8

R16

R17

Channels

File: CCL\_022PUP

Sequence: 4

Origin: 74

MPSU-BA: MECHANICAL PLUGBACK SETTING UNIT

Spacing: -1.0 in

Number of Channels: 1

SCCL

CCL-L: Casing Collar Locator

Spacing: -1.0 in

Number of Channels: 1

CCL

System and Miscellaneous

Spacing: -6.0 in

Number of Channels: 7

BSCS  CVEL  ETIM  TDEPTENS  TIME

Spacing: -1.0 in

Number of Channels: 2

TDEP;1  TIME;1

Frame Summary		File: CCL_022PUP		Sequence: 4		
Origin: 74						
<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	3193.08	3150.41 m	-60.0 (0.1 in) up	7	TDEP	60B
	10476.00	10336.00 ft				
BOREHOLE-DEPTH	3193.08	3150.44 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	10476.00	10336.08 ft				

File Header

File: PERFO\_013PUP

Sequence: 5

Defining Origin: 39				
File ID: PERFO_013PUP   File Type: PLAYBACK				
Producer Name: Schlumberger		Product/Version: OP 15C0-309	File Set: 41	File Number: 12      13-JUL-2008 14:12:46
Company Name:    Esso Australia Pty Ltd.				
Well Name:        A-4c				
Field Name:       Fortescue				
Tool String:      MWP_GUN, MWPT-CA, MWGT-AA				
Computations:    WELLCAD, BORDYN				

Error Summary

File: PERFO\_013PUP    Sequence: 5

No errors detected in file.

Well Site Data

File: PERFO\_013PUP    Sequence: 5

Origin: 39

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4c	WN
Field Name	Fortescue	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	AUSL08509125	SON
Longitude	148°16'36.62"E	LONG
Latitude	038°24'31.39"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	42.3 (m)	EKB
Elevation of Ground Level	-69.0 (m)	EGL
Elevation of Derrick Floor	42.3 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
Elevation of Permanent Datum    0.0 (m)		
Above Permanent Datum    42.3 (m)		

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

Job Data

Date as Month-Day-Year	13-Jul-2008	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	3222.0 (m)	TDD
Total Depth - Logger	3221.5 (m)	TDL
Bottom Log Interval	3215.0 (m)	BLI
Top Log Interval	3150.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	21.4 (m)	CDF
Casing Depth To	3303.6 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	2068.0 (m)	BSDF
Bit Size Depth To	3304.0 (m)	BSDT
Date Logger At Bottom	13-Jul-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright.	ENGI
Witness's Name	G Rimmer.	WITN
Service Order Number	AUSL08509125	SON
Time Logger At Bottom    8:00		
Logging Unit Location    Prod 4 / AUSL		

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	225.0 (degF)	MRT
	225.0 (degF)	MRT1
Date Logger At Bottom	13-Jul-2008	DLAB, TLAB
Time Logger At Bottom    8:00		

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



<b>Remarks</b>	
Objective: Perforate the Well over the interval 3m to 3m MDKB using a 1.8m Phased Powerjet Gun	R1
Set a 7" 26lb/ft posiset Plug at 3m MDKB and dump approx 1m on top	R2
Log Correlated to ExxonMobil Solar Composite Log Supplied with Logging Program .	R3
Maximum Well Deviation: 61deg @ 2075m MDKB	R4
Gun#1 @ 3m MDKB	R5
Top shot @ 3m MDKB	R6
CCL to top Shot = m	R7
CCL stop depth = m MDKB	R8
7" Posiset Plug	R9
Top of seal @ 3m MDKB	R10
CCL to Top of Seal = m	R11
CCL stop Depth = 3m MDKB	R12
CCL to Bottom of Dump Bailers = 12 m	R14
Crew :	R16
<b>Other Services</b>	
RST-C Sigma Survey	OS1

<b>Channels</b>	File: <b>PERFO_013PUP</b>	Sequence: <b>5</b>
<b>Origin: 39</b>		
<b>MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL</b>		
<b>Spacing:</b> -6.0 in	<b>Number of Channels:</b> 10	
CSGP DPRE DTEM ESGP ETIM PSGP SGP SGPA SGPT TEMP_MWPT		
<b>Spacing:</b> -1.0 in	<b>Number of Channels:</b> 4	
CCL CCL_COR FCCL RCCL		
<b>MWGT-AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL</b>		
<b>Spacing:</b> -6.0 in	<b>Number of Channels:</b> 2	
GR RGR		
<b>System and Miscellaneous</b>		
<b>Spacing:</b> -6.0 in	<b>Number of Channels:</b> 10	
BHPR BS CS CVEL GTEM TDEP TENS TIME TOD7_DL TOJ_DL		
<b>Spacing:</b> -1.0 in	<b>Number of Channels:</b> 6	
IDWD SCCL SCD SCDV TDEP;1 TIME;1		

<b>Frame Summary</b>	File: <b>PERFO_013PUP</b>	Sequence: <b>5</b>
<b>Origin: 39</b>		
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>
BOREHOLE-DEPTH	3214.73	3121.15 m
	10547.00	10240.00 ft
		<u>Spacing</u>
		-60.0 (0.1 in) up
		<u>Channels</u>
		22
		<u>Index Channel</u>
		TDEP
		<u>Frame Name</u>
		60B
BOREHOLE-DEPTH	3214.73	3121.18 m
	10547.00	10240.08 ft
		<u>Spacing</u>
		-10.0 (0.1 in) up
		<u>Channels</u>
		10
		<u>Index Channel</u>
		TDEP;1
		<u>Frame Name</u>
		10B

<b>File Header</b>	File: <b>PERFO_012LUP</b>	Sequence: <b>6</b>
<b>Defining Origin: 39</b>		
File ID: PERFO_012LUP	File Type: DEPTH LOG	
Producer Name: Schlumberger	Product/Version: OP 15C0-309	File Set: 41
		File Number: 11
		13-JUL-2008 14:05:21
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A-4c	
Field Name:	Fortescue	
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA	
Computations:	WELLCAD, BORDYN	

<b>Error Summary</b>	File: <b>PERFO_012LUP</b>	Sequence: <b>6</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>PERFO_012LUP</b>	Sequence: <b>6</b>
<b>Origin: 39</b>		
<b>Well Data</b>		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4c	WN

Field Name	Fortescue		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	AUSL08509125		SON
Longitude	148°16'36.62"E		LONG
Latitude	038°24'31.39"S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	42.3 (m)		EKB
Elevation of Ground Level	-69.0 (m)		EGL
Elevation of Derrick Floor	42.3 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)
Log Measured From	D.F	Above Permanent Datum	42.3 (m)
Drilling Measured From	D.F		DMF

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

Job Data

Date as Month–Day–Year	13–Jul–2008		DATE
Run Number	1 through 5		RUN
Total Depth – Driller	3222.0 (m)		TDD
Total Depth – Logger	3221.5 (m)		TDL
Bottom Log Interval	3215.0 (m)		BLI
Top Log Interval	3150.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	21.4 (m)		CDF
Casing Depth To	3303.6 (m)		CADT
Casing Grade	L–80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	2068.0 (m)		BSDF
Bit Size Depth To	3304.0 (m)		BSDT
Date Logger At Bottom	13–Jul–2008	Time Logger At Bottom	8:00
Logging Unit Number	889	Logging Unit Location	Prod 4 / AUSL
Engineer's Name	G Wright.		DLAB, TLAB
Witness's Name	G Rimmer.		LUN, LUL
Service Order Number	AUSL08509125		ENGI
			WITN
			SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	225.0 (degF)		MRT
	225.0 (degF)		MRT1
Date Logger At Bottom	13–Jul–2008	Time Logger At Bottom	8:00
			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
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Remarks

Objective: Perforate the Well over the interval 3m to 3m MDKB using a 1.8m Phased Powerjet Gun	R1
Set a 7" 26lb/ft posiset Plug at 3m MDKB and dump approx 1m on top	R2
Log Correlated to ExxonMobil Solar Composite Log Supplied with Logging Program .	R3
Maximum Well Deviation: 61deg @ 2075m MDKB	R4
Gun#1 @ 3m MDKB	R5
Top shot @ 3m MDKB	R6
CCL to top Shot = m	R7
CCL stop depth = m MDKB	R8
7" Posiset Plug	R9
Top of seal @ 3m MDKB	R10
CCL to Top of Seal = m	R11
CCL stop Depth = 3m MDKB	R12
CCL to Bottom of Dump Bailers = 12 m	R14
Crew :	R16

Other Services

RST–C Sigma Survey	OS1
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Origin: 39

MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL

Spacing: -6.0 in      Number of Channels: 10  
CSGP    DPRE    DTEM    ESGP    ETIM    PSGP    SGP    SGPA    SGPT    TEMP\_MWPT  
Spacing: -1.0 in      Number of Channels: 4  
CCL    CCL\_COR    FCCL    RCCL

MWGT-AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL

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

System and Miscellaneous

Spacing: -6.0 in      Number of Channels: 10  
BHPR    BS    CS    CVEL    GTEM    TDEP    TENS    TIME    TOD7\_DL    TOJ\_DL  
Spacing: -1.0 in      Number of Channels: 6  
IDWD    SCCL    SCD    SCDV    TDEP;1    TIME;1

Frame Summary      File: PERFO\_012LUP      Sequence: 6

Origin: 39

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3206.80	3112.77 m	-60.0 (0.1 in) up	22	TDEP	60B
	10521.00	10212.50 ft				
BOREHOLE-DEPTH	3206.80	3112.80 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	10521.00	10212.58 ft				

File Header      File: PERFO\_007LUP      Sequence: 7

Defining Origin: 12

File ID: PERFO\_007LUP    File Type: DEPTH LOG  
Producer Name: Schlumberger      Product/Version: OP 15C0-309      File Set: 41      File Number: 6      13-JUL-2008 11:59:20  
Company Name:    Esso Australia Pty Ltd.  
Well Name:        A-4c  
Field Name:       Fortescue  
Tool String:      MWP\_GUN, MWPT-CA, MWGT-AA  
Computations:    WELLCAD, BORDYN

Error Summary      File: PERFO\_007LUP      Sequence: 7

No errors detected in file.

Well Site Data      File: PERFO\_007LUP      Sequence: 7

Origin: 12

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4c	WN
Field Name	Fortescue	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	AUSL08509125	SON
Longitude	148°16'36.62"E	LONG
Latitude	038°24'31.39"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	42.3 (m)	EKB
Elevation of Ground Level	-69.0 (m)	EGL
Elevation of Derrick Floor	42.3 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
	Elevation of Permanent Datum    0.0 (m)	
	Above Permanent Datum    42.3 (m)	

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

Job Data

Date as Month-Day-Year	13-Jul-2008	DATE
Run Number	1 through 5	RUN
Total Depth    Driller	3222.0 (m)	TDD

Total Depth – Driller	3222.0 (m)			TDL
Total Depth – Logger	3221.5 (m)			BLI
Bottom Log Interval	3215.0 (m)			TLI
Top Log Interval	3150.0 (m)			CSIZ
Current Casing Size	7.00 (in)			CDF
Casing Depth From	21.4 (m)			CADT
Casing Depth To	3303.6 (m)			CASG
Casing Grade	L–80			CWEI
Casing Weight	26.0 (lbm/ft)			BS
Bit Size	8.50 (in)			BSDF
Bit Size Depth From	2068.0 (m)			BSDT
Bit Size Depth To	3304.0 (m)			DLAB, TLAB
Date Logger At Bottom	13–Jul–2008	Time Logger At Bottom	8:00	LUN, LUL
Logging Unit Number	889	Logging Unit Location	Prod 4 / AUSL	ENGI
Engineer's Name	G Wright.			WITN
Witness's Name	G Rimmer.			SON
Service Order Number	AUSL08509125			

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	225.0 (degF)			MRT
	225.0 (degF)			MRT1
Date Logger At Bottom	13–Jul–2008	Time Logger At Bottom	8:00	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
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Remarks

Objective: Perforate the Well over the interval 3m to 3m MDKB using a 1.8m Phased Powerjet Gun	R1
Set a 7" 26lb/ft posiset Plug at 3m MDKB and dump approx 1m on top	R2
Log Correlated to ExxonMobil Solar Composite Log Supplied with Logging Program .	R3
Maximum Well Deviation: 61deg @ 2075m MDKB	R4
Gun#1 @ 3m MDKB	R5
Top shot @ 3m MDKB	R6
CCL to top Shot = m	R7
CCL stop depth = m MDKB	R8
7" Posiset Plug	R9
Top of seal @ 3m MDKB	R10
CCL to Top of Seal = m	R11
CCL stop Depth = =3m MDKB	R12
CCL to Bottom of Dump Bailers = 12 m	R14
Crew :	R16

Other Services

RST–C Sigma Survey	OS1
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Channels

File: PERFO\_007LUP    Sequence: 7

Origin: 12

MWPT–CA: MEASUREMENT WHILE PERFORATING TOOL

Spacing: –6.0 in	Number of Channels: 10									
CSGP	DPRE	DTM	ESGP	ETIM	PSGP	SGP	SGPA	SGPT	TEMP_MWPT	
Spacing: –1.0 in	Number of Channels: 4									
CCL	CCL_COR	FCCL	RCCL							

MWGT–AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL

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

System and Miscellaneous

Spacing: –6.0 in	Number of Channels: 10									
BHPR	BS	CS	CVEL	GTEM	TDEP	TENS	TIME	TOD7_DL	TOJ_DL	
Spacing: –1.0 in	Number of Channels: 6									
IDWD	SCCL	SCD	SCDV	TDEP;1	TIME;1					

Frame Summary

File: PERFO\_007LUP    Sequence: 7

Origin: 12

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
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BOREHOLE-DEPTH	3193.85	3147.06 m	-60.0 (0.1 in) up	22	TDEP	60B
BOREHOLE-DEPTH	10478.50	10325.00 ft				
BOREHOLE-DEPTH	3193.85	3147.09 m	-10.0 (0.1 in) up	10	TDEP,1	10B
	10478.50	10325.08 ft				

## File Header

File: **PERFO\_006LUP** Sequence: **8**

### Defining Origin: 12

File ID: PERFO\_006LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 5

13-JUL-2008 11:53:22

Company Name: Esso Australia Pty Ltd.

Well Name: A-4c

Field Name: Fortescue

Tool String: MWP\_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD, BORDYN

## Error Summary

File: **PERFO\_006LUP** Sequence: **8**

No errors detected in file.

## Well Site Data

File: **PERFO\_006LUP** Sequence: **8**

### Origin: 12

#### Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4c	WN
Field Name	Fortescue	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	AUSL08509125	SON
Longitude	148°16'36.62"E	LONG
Latitude	038°24'31.39"S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	42.3 (m)	EKB
Elevation of Ground Level	-69.0 (m)	EGL
Elevation of Derrick Floor	42.3 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF

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

#### Job Data

Date as Month-Day-Year	13-Jul-2008	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	3222.0 (m)	TDD
Total Depth - Logger	3221.5 (m)	TDL
Bottom Log Interval	3215.0 (m)	BLI
Top Log Interval	3150.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	21.4 (m)	CDF
Casing Depth To	3303.6 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	2068.0 (m)	BSDF
Bit Size Depth To	3304.0 (m)	BSDT
Date Logger At Bottom	13-Jul-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright.	ENGI
Witness's Name	G Rimmer.	WITN
Service Order Number	AUSL08509125	SON

Time Logger At Bottom 8:00

Logging Unit Location Prod 4 / AUSL

#### Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	225.0 (degF)	MRT
	225.0 (degF)	MRT1
Date Logger At Bottom	13-Jul-2008	DLAB, TLAB
	Time Logger At Bottom 8:00	

**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**

Objective: Perforate the Well over the interval 3m to 3m MDKB using a 1.8m Phased Powerjet Gun R1  
 Set a 7" 26lb/ft posiset Plug at 3m MDKB and dump approx 1m on top R2  
 Log Correlated to ExxonMobil Solar Composite Log Supplied with Logging Program . R3  
 Maximum Well Deviation: 61deg @ 2075m MDKB R4  
 Gun#1 @ 3m MDKB R5  
 Top shot @ 3m MDKB R6  
 CCL to top Shot = m R7  
 CCL stop depth = m MDKB R8  
 7" Posiset Plug R9  
 Top of seal @ 3m MDKB R10  
 CCL to Top of Seal = m R11  
 CCL stop Depth = 3m MDKB R12  
 CCL to Bottom of Dump Bailers = 12 m R14  
 Crew : R16

**Other Services**

RST-C Sigma Survey OS1

**Channels**

File: PERFO\_006LUP Sequence: 8

**Origin: 12****MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL**

**Spacing:** -6.0 in **Number of Channels:** 10  
 CSGP DPRE DTEM ESGP ETIM PSGP SGP SGPA SGPT TEMP\_MWPT  
**Spacing:** -1.0 in **Number of Channels:** 4  
 CCL CCL\_COR FCCL RCCL

**MWGT-AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL**

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

**System and Miscellaneous**

**Spacing:** -6.0 in **Number of Channels:** 10  
 BHPR BS CS CVEL GTEM TDEP TENS TIME TOD7\_DL TOJ\_DL  
**Spacing:** -1.0 in **Number of Channels:** 6  
 IDWD SCCL SCD SCDV TDEP;1 TIME;1

**Frame Summary**

File: PERFO\_006LUP Sequence: 8

**Origin: 12**

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3204.06	3162.30 m	-60.0 (0.1 in) up	22	TDEP	60B
	10512.00	10375.00 ft				
BOREHOLE-DEPTH	3204.06	3162.17 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	10512.00	10374.58 ft				

**Verification Listing**

Listing Completed: 14-JUL-2008 1:10:55