

Input Source: D:\OP_Folder\Clients\Essso_2009\BMA_A4b\RSTC\COMP_MWPT_COMP_102.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_042LUP** Sequence: **1**

Defining Origin: 5

File ID: PERFO_042LUP File Type: DEPTH LOG

Producer Name: Schlumberger Product/Version: OP 17C0-154 File Set: 41 File Number: 40 13-NOV-2009 2:42:58

Company Name: Esso Australia Pty Ltd.
Well Name: A-4b
Field Name: Bream A
Tool String: MWP_GUN, MWPT-CA, MWGT-AA
Computations: WELLCAD

Error Summary File: **PERFO_042LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_042LUP** Sequence: **1**

Origin: 5

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4b	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07484979	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	33.5 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	33.5 (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	25-Sep-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2770.0 (m)	TDD
Total Depth - Logger	2764.0 (m)	TDL
Bottom Log Interval	2759.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	4.50 (in)	CSIZ
Casing Depth From	2606.0 (m)	CDF
Casing Depth To	2770.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	12.6 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	25-Sep-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert.	ENGI
Witness's Name	G Rimmer	WITN
Service Order Number	Ausl07484979	SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type

Maximum Recorded Temperature

Date Logger At Bottom

Production Fluids

205.0 (degF)

205.0 (degF)

25-Sep-2007

Time Logger At Bottom

9:23

DFT

MRT

MRT1

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 composite supplied with logging program.

Maximum well deviation = 63 degrees at 1335m MDKB.

Objective: Perforate the well over the interval 2752.5m to 2756.3m MDKB

using a 2 1/8" 45 deg Phased Powerjet Gun . Set a 4.5" Posiset Plug with

Top of seal @ 2758.5m MDKB and top with approx 1m of

Cement on top . Tool ZERO to BOT on Dummy pass = 4.7m

Before Gun SBHP:2620.2psia SBHT:203.4degf HUD :2764m MDKBm MDKB

After Gun SBHP:2620.6psia SBHT:205degf

Gun # 1

Top shot @ 2752.5m MDKB

CCL to Top Shot :4.5 m

CCL Stop Depth : 2758 m MDKB

4.5" Plug

Top of Seal @ 2758.5m MDKB

CCL to top of seal : 6.8 m

CCL Stop Depth : 2751.7 m MDKB

SLB Crew: A Hall, C Shiells L Light , J Annear

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R12

R13

R14

R15

R16

R17

Other Services

None

OS1

Frame Summary						
File: PERFO_042LUP		Sequence: 1				
Origin: 5						
<div>Index Type</div>	<div>Start</div>	<div>Stop</div>	<div>Spacing</div>	<div>Channels</div>	<div>Index Channel</div>	<div>Frame Name</div>
BOREHOLE-DEPTH	2748.38	2690.01 m	-60.0 (0.1 in) up	22	TDEP	60B
	9017.00	8825.50 ft				
BOREHOLE-DEPTH	2748.38	2690.04 m	-10.0 (0.1 in) up	10	TDEP,1	10B
	9017.00	8825.58 ft				

File Header

File: PERFO_043LUP

Sequence: 2

Defining Origin: 5

File ID: PERFO_043LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 41

13-NOV-2009 2:51:21

Company Name: Esso Australia Pty Ltd.

Well Name: A-4b

Field Name: Bream A

Tool String: MWP_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD

Error Summary		
File: PERFO_043LUP		Sequence: 2
No errors detected in file.		

Well Site Data		
File: PERFO_043LUP		Sequence: 2
Origin: 5		

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4b	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07484979	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	33.5 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	33.5 (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 33.5 (m)	

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

Job Data

Date as Month-Day-Year	25-Sep-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2770.0 (m)	TDD
Total Depth - Logger	2764.0 (m)	TDL
Bottom Log Interval	2759.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	4.50 (in)	CSIZ
Casing Depth From	2606.0 (m)	CDF
Casing Depth To	2770.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	12.6 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	25-Sep-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert.	ENGI
Witness's Name	G Rimmer	WITN
Service Order Number	Ausl07484979	SON
	Time Logger At Bottom 9:23	
	Logging Unit Location Prod4 / Ausl	

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	205.0 (degF)	MRT
	205.0 (degF)	MRT1
Date Logger At Bottom	25-Sep-2007	DLAB, TLAB
	Time Logger At Bottom 9:23	

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

Log correlated to ExxonMobil composite supplied with logging program.	R1
Maximum well deviation = 63 degrees at 1335m MDKB.	R2
Objective: Perforate the well over the interval 2752.5m to 2756.3m MDKB	R3
using a 2 1/8" 45 deg Phased Powerjet Gun . Set a 4.5" Posiset Plug with	R4
Top of seal @ 2758.5m MDKB and top with approx 1m of	R5
Cement on top . Tool ZERO to BOT on Dummy pass = 4.7m	R6
Before Gun SBHP:2620.2psia SBHT:203.4degf HUD :2764m MDKBm MDKB	R7
After Gun SBHP:2620.6psia SBHT:205degf	R8
Gun # 1	R9
Top shot @ 2752.5m MDKB	R10
CCL to Top Shot :4.5 m	R11
CCL Stop Depth : 2758 m MDKB	R12
4.5" Plug	R13
Top of Seal @ 2758.5m MDKB	R14
CCL to top of seal : 6.8 m	R15
CCL Stop Depth : 2751.7 m MDKB	R16
SLB Crew: A Hall, C Shiells L Light , J Annear	R17

Other Services

Other Services

None

OS1

Frame Summary

File: PERFO_043LUP

Sequence: 2

Origin: 5

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2748.23	2692.76 m	-60.0 (0.1 in) up	22	TDEP	60B
	9016.50	8834.50 ft				
BOREHOLE-DEPTH	2748.23	2692.78 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	9016.50	8834.58 ft				

File Header

File: PERFO_093PTP

Sequence: 3

Defining Origin: 35

File ID: PERFO_093PTP

File Type: PLAYBACK

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 91

14-NOV-2009 2:36:31

Company Name: Esso Australia Pty Ltd.

Well Name: A-4b

Field Name: Bream A

Tool String: MWP_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD

Error Summary

File: PERFO_093PTP

Sequence: 3

No errors detected in file.

Well Site Data

File: PERFO_093PTP

Sequence: 3

Origin: 35

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4b	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07484979	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	33.5 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	33.5 (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 33.5 (m)

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

Job Data

Date as Month-Day-Year	25-Sep-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2770.0 (m)	TDD
Total Depth - Logger	2764.0 (m)	TDL
Bottom Log Interval	2759.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	4.50 (in)	CSIZ
Casing Depth From	2606.0 (m)	CDF
Casing Depth To	2770.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	12.6 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Date Logger At Bottom25-Sep-2007Time Logger At Bottom9:23DLAB, TLAB

Logging Unit Number889Logging Unit LocationProd4 / AuslLUN, LUL

Engineer's NameS Gilbert.ENG

Witness's NameG RimmerWIT

Service Order NumberAusl07484979SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid TypeProduction FluidsDFT

Maximum Recorded Temperature205.0 (degF)MRT

205.0 (degF)MRT1

Date Logger At Bottom25-Sep-2007Time Logger At Bottom9:23DLAB, 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 TypePrimaryCJT

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

Remarks

Log correlated to ExxonMobil composite supplied with logging program.R1

Maximum well deviation = 63 degrees at 1335m MDKB.R2

Objective: Perforate the well over the interval 2752.5m to 2756.3m MDKB.R3

using a 2 1/8" 45 deg Phased Powerjet Gun . Set a 4.5" Posiset Plug withR4

Top of seal @ 2758.5m MDKB and top with approx 1m ofR5

Cement on top . Tool ZERO to BOT on Dummy pass = 4.7mR6

Befor Gun SBHP:2620.2psia SBHT:203.4degf HUD :2764m MDKBm MDKB.R7

After Gun SBHP:2620.6psia SBHT:205degfR8

Gun # 1R9

Top shot @ 2752.5m MDKB.R10

CCL to Top Shot :4.5 mR11

CCL Stop Depth : 2758 m MDKB.R12

4.5" PlugR13

Top of Seal @ 2758.5m MDKB.R14

CCL to top of seal : 6.8 mR15

CCL Stop Depth : 2751.7 m MDKB.R16

SLB Crew: A Hall, C Shiells L Light , J AnnearR17

Other Services

NoneOS1

Frame SummaryFile: PERFO_093PTPSequence: 3						
Origin: 35						
<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	1.00	424.00 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	1.00	423.50 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	1.00	423.75 s	500.0 (0.5 ms)	4	TIME;5	500T

File Header

File: PERFO_058PUPSequence: 4

Defining Origin: 114

File ID: PERFO_058PUPFile Type: PLAYBACK

Producer Name: SchlumbergerProduct/Version: OP 17C0-154File Set: 41File Number: 5613-NOV-2009 19:13:45

Company Name:Esso Australia Pty Ltd.

Well Name:A-4b

Field Name:Bream A

Tool String:MWP_GUN, MWPT-CA, MWGT-AA

Computations:WELLCAD

Error SummaryFile: PERFO_058PUPSequence: 4	
No errors detected in file.	

Well Site Data

File: PERFO_058PUPSequence: 4

Origin: 114

Well Data

Company Name	Eso Australia Pty Ltd.	CN
Well Name	A-4b	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07484979	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	33.5 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	33.5 (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 33.5 (m)		

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

Job Data

Date as Month-Day-Year	25-Sep-2007	DATE
Run Number	One	RUN
Total Depth – Driller	2770.0 (m)	TDD
Total Depth – Logger	2764.0 (m)	TDL
Bottom Log Interval	2759.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	4.50 (in)	CSIZ
Casing Depth From	2606.0 (m)	CDF
Casing Depth To	2770.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	12.6 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	25-Sep-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert.	ENGI
Witness's Name	G Rimmer	WITN
Service Order Number	Ausl07484979	SON
Time Logger At Bottom 9:23		
Logging Unit Location Prod4 / Ausl		

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	205.0 (degF)	MRT
	205.0 (degF)	MRT1
Date Logger At Bottom	25-Sep-2007	DLAB, TLAB
Time Logger At Bottom 9:23		

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

Log correlated to ExxonMobil composite supplied with logging program.	R1
Maximum well deviation = 63 degrees at 1335m MDKB.	R2
Objective: Perforate the well over the interval 2752.5m to 2756.3m MDKB	R3
using a 2 1/8" 45 deg Phased Powerjet Gun . Set a 4.5" Posiset Plug with	R4
Top of seal @ 2758.5m MDKB and top with approx 1m of	R5
Cement on top . Tool ZERO to BOT on Dummy pass = 4.7m	R6
Before Gun SBHP:2620.2psia SBHT:203.4degf HUD :2764m MDKBm MDKB	R7
After Gun SBHP:2620.6psia SBHT:205degf	R8
Gun # 1	R9
Top shot @ 2752.5m MDKB	R10
CCL to Top Shot :4.5 m	R11
CCL Stop Depth : 2758 m MDKB	R12
4.5" Plug	R13
Top of Seal @ 2758.5m MDKB	R14
CCL to top of seal : 6.8 m	R15
CCL Stop Depth : 2751.7 m MDKB	R16
SLB Crew: A Hall, C Shiells L Light , J Annear	R17

Other Services

None	OS1
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Frame Summary File: PERFO_058PUP Sequence: 4						
Origin: 114						
<div>Index Type</div> BOREHOLE-DEPTH	<div>Start</div> 2753.11 9032.50	<div>Stop</div> 2672.18 m 8767.00 ft	<div>Spacing</div> -60.0 (0.1 in) up	<div>Channels</div> 22	<div>Index Channel</div> TDEP	<div>Frame Name</div> 60B
BOREHOLE-DEPTH	2753.11 9032.50	2672.36 m 8767.58 ft	-10.0 (0.1 in) up	10	TDEP,1	10B

File Header							File: PERFO_059PUP		Sequence: 5			
Defining Origin: 114												
File ID: PERFO_059PUP File Type: PLAYBACK												
Producer Name: Schlumberger				Product/Version: OP 17C0-154			File Set: 41		File Number: 57		13-NOV-2009 19:27:59	
Company Name:		Esso Australia Pty Ltd.										
Well Name:		A-4b										
Field Name:		Bream A										
Tool String:		MWP_GUN, MWPT-CA, MWGT-AA										
Computations:		WELLCAD										

Error Summary File: PERFO_059PUP Sequence: 5		
No errors detected in file.		

Well Site Data File: PERFO_059PUP Sequence: 5		
Origin: 114		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4b	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07484979	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	33.5 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	33.5 (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	25-Sep-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2770.0 (m)	TDD
Total Depth - Logger	2764.0 (m)	TDL
Bottom Log Interval	2759.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	4.50 (in)	CSIZ
Casing Depth From	2606.0 (m)	CDF
Casing Depth To	2770.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	12.6 (lbm/ft)	CWEI

Bit Size	8.50 (in)	Time Logger At Bottom	9:23	BS
Date Logger At Bottom	25-Sep-2007	Logging Unit Location	Prod4 / Ausl	DLAB, TLAB
Logging Unit Number	889			LUN, LUL
Engineer's Name	S Gilbert.			ENGI
Witness's Name	G Rimmer			WITN
Service Order Number	Ausl07484979			SON
Absent Valued Parameters: BSDF, BSDT				
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	205.0 (degF)			MRT
	205.0 (degF)			MRT1
Date Logger At Bottom	25-Sep-2007	Time Logger At Bottom	9:23	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 composite supplied with logging program.				R1
Maximum well deviation = 63 degrees at 1335m MDKB.				R2
Objective: Perforate the well over the interval 2752.5m to 2756.3m MDKB				R3
using a 2 1/8" 45 deg Phased Powerjet Gun . Set a 4.5" Posiset Plug with				R4
Top of seal @ 2758.5m MDKB and top with approx 1m of				R5
Cement on top . Tool ZERO to BOT on Dummy pass = 4.7m				R6
Befor Gun SBHP:2620.2psia SBHT:203.4degf HUD :2764m MDKBm MDKB				R7
After Gun SBHP:2620.6psia SBHT:205degf				R8
Gun # 1				R9
Top shot @ 2752.5m MDKB				R10
CCL to Top Shot :4.5 m				R11
CCL Stop Depth : 2758 m MDKB				R12
4.5" Plug				R13
Top of Seal @ 2758.5m MDKB				R14
CCL to top of seal : 6.8 m				R15
CCL Stop Depth : 2751.7 m MDKB				R16
SLB Crew: A Hall, C Shiells L Light , J Annear				R17
Other Services				
None				OS1

Frame Summary File: PERFO_059PUP Sequence: 5						
Origin: 114						
<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	2635.00	2584.40 m	-60.0 (0.1 in) up	22	TDEP	60B
	8645.00	8479.00 ft				
BOREHOLE-DEPTH	2635.00	2584.58 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	8645.00	8479.58 ft				

File Header		File: PERFO_096PUP	Sequence: 6
Defining Origin: 35			
File ID: PERFO_096PUP File Type: PLAYBACK			
Producer Name: Schlumberger		Product/Version: OP 17C0-154	File Set: 41
		File Number: 93	14-NOV-2009 2:40:38
Company Name:	Esso Australia Pty Ltd.		
Well Name:	A-4b		
Field Name:	Bream A		
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA		
Computations:	WELLCAD		

Error Summary File: PERFO_096PUP Sequence: 6		
No error data stored in file		

Well Site DataFile: **PERFO_096PUP** Sequence: **6****Origin: 35****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4b	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07484979	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	33.5 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	33.5 (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 33.5 (m)	

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

Job Data

Date as Month-Day-Year	25-Sep-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2770.0 (m)	TDD
Total Depth - Logger	2764.0 (m)	TDL
Bottom Log Interval	2759.0 (m)	BLI
Top Log Interval	2550.0 (m)	TLI
Current Casing Size	4.50 (in)	CSIZ
Casing Depth From	2606.0 (m)	CDF
Casing Depth To	2770.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	12.6 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	25-Sep-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert.	ENGI
Witness's Name	G Rimmer	WITN
Service Order Number	Ausl07484979	SON
	Time Logger At Bottom 9:23	
	Logging Unit Location Prod4 / Ausl	

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	205.0 (degF)	MRT
	205.0 (degF)	MRT1
Date Logger At Bottom	25-Sep-2007	DLAB, TLAB
	Time Logger At Bottom 9:23	

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

Log correlated to ExxonMobil composite supplied with logging program.	R1
Maximum well deviation = 63 degrees at 1335m MDKB.	R2
Objective: Perforate the well over the interval 2752.5m to 2756.3m MDKB	R3
using a 2 1/8" 45 deg Phased Powerjet Gun . Set a 4.5" Posiset Plug with	R4
Top of seal @ 2758.5m MDKB and top with approx 1m of	R5
Cement on top . Tool ZERO to BOT on Dummy pass = 4.7m	R6
Before Gun SBHP:2620.2psia SBHT:203.4degf HUD :2764m MDKBm MDKB	R7
After Gun SBHP:2620.6psia SBHT:205degf	R8
Gun # 1	R9
Top shot @ 2752.5m MDKB	R10
CCL to Top Shot :4.5 m	R11
CCL Stop Depth : 2758 m MDKB	R12

4.5" Plug	R13
Top of Seal @ 2758.5m MDKB	R14
CCL to top of seal : 6.8 m	R15
CCL Stop Depth : 2751.7 m MDKB	R16
SLB Crew: A Hall, C Shiells L Light , J Annear	R17
Other Services	
None	OS1

Frame Summary		File: PERFO_096PUP	Sequence: 6			
Origin: 35						
<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	2744.72	2669.59 m	-60.0 (0.1 in) up	9	TDEP	60B
	9005.00	8758.50 ft				
BOREHOLE-DEPTH	2744.72	2669.62 m	-10.0 (0.1 in) up	6	TDEP;1	10B
	9005.00	8758.58 ft				

File Header	File: CCL_073LUP	Sequence: 7
Defining Origin: 35		
File ID: CCL_073LUP	File Type: DEPTH LOG	
Producer Name: Schlumberger	Product/Version: OP 17C0-154	File Set: 41
		File Number: 71
		13-NOV-2009 21:23:13
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A-4b	
Field Name:	Bream A	
Tool String:	MPEX-CA, MPSU-CA, CCL-I	
Computations:	WELLCAD	

Error Summary	File: CCL_073LUP	Sequence: 7
No errors detected in file.		

Well Site Data	File: CCL_073LUP	Sequence: 7
Origin: 35		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4b	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AusI07484979	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	62.9 (deg)	MHD
Elevation of Kelly Bushing	33.5 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	33.5 (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 33.5 (m)	
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN		
Job Data		
Date as Month-Day-Year	12-Nov-2009	DATE
Run Number	One	RUN
Total Depth - Driller	2770.0 (m)	TDD
Total Depth - Logger	2764.0 (m)	TDL
Bottom Log Interval	2750.0 (m)	BLI
Top Log Interval	2748.0 (m)	TLI
Current Casing Size	4.50 (in)	CSIZ
Casing Depth From	2606.0 (m)	CDF
Casing Depth To	2770.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	12.6 (lbm/ft)	CWEI
Bit Size	9.38 (in)	BS

Bit Size Depth From	1447.0 (ft)			BSDF
Bit Size Depth To	2845.0 (ft)			BSDT
Date Logger At Bottom	12–Nov–2009	Time Logger At Bottom	20:30	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	O Darby			ENGI
Witness's Name	G Rimmer			WITN
Service Order Number	Ausl07484979			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	205.0 (degF)			MRT
	205.0 (degF)			MRT1
Date Logger At Bottom	12–Nov–2009	Time Logger At Bottom	20:30	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 composite supplied with logging program.				R1
Maximum well deviation = 63 degrees at 1335m MDKB.				R2
Objective: Perforate the well over the interval 2752.5m to 2756.3m MDKB				R3
using a 2 1/8" 45 deg Phased Powerjet Gun . Set a 4.5" Posiset Plug with				R4
Top of seal @ 2758.5m MDKB and top with approx 1m of				R5
Cement on top . Tool ZERO to BOT on Dummy pass = 4.7m				R6
Before Gun SBHP:2620.2psia SBHT:203.4degf HUD :2764m MDKBm MDKB				R7
After Gun SBHP:2620.6psia SBHT:205degf				R8
Gun # 1				R9
Top shot @ 2752.5m MDKB				R10
CCL to Top Shot :4.5 m				R11
CCL Stop Depth : 2758 m MDKB				R12
4.5" Plug				R13
Top of Seal @ 2758.5m MDKB				R14
CCL to top of seal : 6.8 m				R15
CCL Stop Depth : 2751.7 m MDKB				R16
SLB Crew: A Hall, C Shiells L Light , J Annear				R17
Other Services				
None				OS1

Frame Summary		File: CCL_073LUP	Sequence: 7			
Origin: 35						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	12192.00	11919.36 m	-60.0 (0.1 in) up	7	TDEP	60B
	40000.00	39105.50 ft				
BOREHOLE-DEPTH	12192.00	11919.38 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00	39105.58 ft				

File Header		File: PERFO_084PUP	Sequence: 8	
Defining Origin: 113				
File ID: PERFO_084PUP File Type: PLAYBACK				
Producer Name: Schlumberger		Product/Version: OP 17C0–154	File Set: 41	File Number: 82
14–NOV–2009 0:19:53				
Company Name:	Esso Australia Pty Ltd.			
Well Name:	A–4b			
Field Name:	Bream A			
Tool String:	SHM_GUN, CCL–L			
Computations:	WELLCAD			

Error Summary		File: PERFO_084PUP	Sequence: 8
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Origin: 113

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-4b		WN
Field Name	Bream A		FN
Rig :	Prod4 / Crane		CLAB, COUN
State :	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	Ausl07484979		SON
Longitude	147 46'15"E		LONG
Latitude	038 30'04"S		LATI
Maximum Hole Deviation	63.0 (deg)		MHD
Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 33.5 (m)	LMF, APD
Drilling Measured From	D.F		DMF

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

Job Data

Date as Month-Day-Year	25-Sep-2007		DATE
Run Number	One		RUN
Total Depth - Driller	2770.0 (m)		TDD
Total Depth - Logger	2764.0 (m)		TDL
Bottom Log Interval	2759.0 (m)		BLI
Top Log Interval	2550.0 (m)		TLI
Current Casing Size	4.50 (in)		CSIZ
Casing Depth From	2606.0 (m)		CDF
Casing Depth To	2770.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	12.6 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	25-Sep-2007	Time Logger At Bottom 9:23	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod4 / Ausl	LUN, LUL
Engineer's Name	S Gilbert.		ENGI
Witness's Name	G Rimmer		WITN
Service Order Number	Ausl07484979		SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	205.0 (degF)		MRT
	205.0 (degF)		MRT1
Date Logger At Bottom	25-Sep-2007	Time Logger At Bottom 9:23	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

Log correlated to ExxonMobil composite supplied with logging program.		R1
Maximum well deviation = 63 degrees at 1335m MDKB.		R2
Objective: Perforate the well over the interval 2752.5m to 2756.3m MDKB		R3
using a 2 1/8" 45 deg Phased Powerjet Gun . Set a 4.5" Posiset Plug with		R4
Top of seal @ 2758.5m MDKB and top with approx 1m of		R5
Cement on top . Tool ZERO to BOT on Dummy pass = 4.7m		R6
Before Gun SBHP:2620.2psia SBHT:203.4degf HUD :2764m MDKBm MDKB		R7
After Gun SBHP:2620.6psia SBHT:205degf		R8
Gun # 1		R9
Top shot @ 2752.5m MDKB		R10
CCL to Top Shot :4.5 m		R11
CCL Stop Depth :2759 m MDKB		R12

CCL Stop Depth : 2758 m MDKB	R12
4.5" Plug	R13
Top of Seal @ 2758.5m MDKB	R14
CCL to top of seal : 6.8 m	R15
CCL Stop Depth : 2751.7 m MDKB	R16
SLB Crew: A Hall, C Shiells L Light , J Annear	R17
Other Services	
None	OS1

Frame Summary		File: PERFO_084PUP	Sequence: 8			
Origin: 113						
<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	2741.98	2687.88 m	-60.0 (0.1 in) up	7	TDEP	60B
	8996.00	8818.50 ft				
BOREHOLE-DEPTH	2741.98	2687.90 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	8996.00	8818.58 ft				

File Header	File: PERFO_092PUP	Sequence: 9
Defining Origin: 113		
File ID: PERFO_092PUP	File Type: PLAYBACK	
Producer Name: Schlumberger	Product/Version: OP 17C0-154	File Set: 41
		File Number: 90
		14-NOV-2009 1:57:35
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A-4b	
Field Name:	Bream A	
Tool String:	SHM_GUN, CCL-L	
Computations:	WELLCAD	

Error Summary	File: PERFO_092PUP	Sequence: 9
No errors detected in file.		

Well Site Data	File: PERFO_092PUP	Sequence: 9
Origin: 113		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-4b	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07484979	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	33.5 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	33.5 (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 33.5 (m)	
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN		
Job Data		
Date as Month-Day-Year	25-Sep-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2770.0 (m)	TDD
Total Depth - Logger	2764.0 (m)	TDL
Bottom Log Interval	2759.0 (m)	BLI

Top Log Interval	2550.0 (m)			TLI
Current Casing Size	4.50 (in)			CSIZ
Casing Depth From	2606.0 (m)			CDF
Casing Depth To	2770.0 (m)			CADT
Casing Grade	L-80			CASG
Casing Weight	12.6 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Date Logger At Bottom	25-Sep-2007	Time Logger At Bottom	9:23	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	S Gilbert.			ENGI
Witness's Name	G Rimmer			WITN
Service Order Number	Ausl07484979			SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	205.0 (degF)			MRT
	205.0 (degF)			MRT1
Date Logger At Bottom	25-Sep-2007	Time Logger At Bottom	9:23	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

Log correlated to ExxonMobil composite supplied with logging program.	R1
Maximum well deviation = 63 degrees at 1335m MDKB.	R2
Objective: Perforate the well over the interval 2752.5m to 2756.3m MDKB	R3
using a 2 1/8" 45 deg Phased Powerjet Gun . Set a 4.5" Posiset Plug with	R4
Top of seal @ 2758.5m MDKB and top with approx 1m of	R5
Cement on top . Tool ZERO to BOT on Dummy pass = 4.7m	R6
Befor Gun SBHP:2620.2psia SBHT:203.4degf HUD :2764m MDKBm MDKB	R7
After Gun SBHP:2620.6psia SBHT:205degf	R8
Gun # 1	R9
Top shot @ 2752.5m MDKB	R10
CCL to Top Shot :4.5 m	R11
CCL Stop Depth : 2758 m MDKB	R12
4.5" Plug	R13
Top of Seal @ 2758.5m MDKB	R14
CCL to top of seal : 6.8 m	R15
CCL Stop Depth : 2751.7 m MDKB	R16
SLB Crew: A Hall, C Shiells L Light , J Annear	R17

Other Services

None	OS1
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Frame Summary File: PERFO_092PUP Sequence: 9

Origin: 113

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2741.52	2681.94 m	-60.0 (0.1 in) up	7	TDEP	60B
	8994.50	8799.00 ft				
BOREHOLE-DEPTH	2741.52	2681.96 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	8994.50	8799.08 ft				



Verification Listing

Listing Completed: 14-NOV-2009 3:46:48