

Input Source: D:\OP_Folder\Clients\Esoo_2009\BMA_A20a\CCLL\COMP_MWPT_MPBT_DB_COMP_089.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: 83

File ID: PERFO_042LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 40

5-NOV-2009 23:01:56

Company Name: Esso Australia Pty Ltd.

Well Name: A-20a

Field Name: Bream A

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

Computations: WELLCAD, BORDYN

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

No errors detected in file.

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

Origin: 83

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20a	WN
Field Name	Bream A	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	B297-00019	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (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	32.8 (m)

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

Job Data

Date as Month-Day-Year	5-Nov-2009	DATE
Run Number	2 through 6	RUN
Total Depth - Driller	2222.0 (m)	TDD
Total Depth - Logger	2222.0 (m)	TDL
Bottom Log Interval	2216.0 (m)	BLI
Top Log Interval	2000.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2321.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	1123.2 (m)	BSDF
Bit Size Depth To	2326.0 (m)	BSDT
Date Logger At Bottom	5-Nov-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert.	ENGI
Witness's Name	B White	WITN
Service Order Number	B297-00019	SON
	Time Logger At Bottom	23:44
	Logging Unit Location	AUSL / PROD 4

Mud Data

Mud Data		Production Fluids	DFT
Drilling Fluid Type		206.0 (degF)	MRT
Maximum Recorded Temperature		206.0 (degF)	MRT1
Date Logger At Bottom	5-Nov-2009	Time Logger At Bottom 23:44	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 = 57deg @ 869.3m MDKB.			R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2212.5m to 2214.5 m MDKB.			R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.			R4
Set 7" 26 lb/ft Posiset plug with Top of Seal at 2215.5m MDKB and then dump approx 1m of cement on top .			R5
Perforation Zone = 2212.5 m to 2214.5m MDKB			R7
Top Shot @ 2212.5m MDKB			R8
CCL to Top Shot = 3.6 m			R9
CCL Stop Depth = 2208.9 m MDKB			R10
4.5" Posiset Plug top of Seal Set @ 2215.5m MDKB			R12
CCL to Top of Seal = 7 m			R13
CCL stop Depth = 2208.5m MDKB			R14
1m of Cement dumped in 1 Run.			R15
Crew :A Pratt , G Martin			R17
Other Services			
RST Survey			OS1

Frame Summary		File: PERFO_042LUP	Sequence: 1			
Origin: 83						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2213.31	2186.64 m	-60.0 (0.1 in) up	22	TDEP	60B
	7261.50	7174.00 ft				
BOREHOLE-DEPTH	2213.31	2186.66 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	7261.50	7174.08 ft				

File Header		File: PERFO_043LUP	Sequence: 2
Defining Origin: 83			
File ID: PERFO_043LUP File Type: DEPTH LOG			
Producer Name: Schlumberger		Product/Version: OP 17C0-154	File Set: 41
			File Number: 41
			5-NOV-2009 23:09:32
Company Name: Esso Australia Pty Ltd.			
Well Name: A-20a			
Field Name: Bream A			
Tool String: MWP_GUN, MWPT-CA, MWGT-AA			
Computations: WELLCAD, BORDYN			

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

Well Site Data		File: PERFO_043LUP	Sequence: 2
Origin: 83			

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20a	WN
Field Name	Bream A	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	B297-00019	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (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 32.8 (m)	

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

Job Data

Date as Month-Day-Year	5-Nov-2009	DATE
Run Number	2 through 6	RUN
Total Depth - Driller	2222.0 (m)	TDD
Total Depth - Logger	2222.0 (m)	TDL
Bottom Log Interval	2216.0 (m)	BLI
Top Log Interval	2000.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2321.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	1123.2 (m)	BSDF
Bit Size Depth To	2326.0 (m)	BSDT
Date Logger At Bottom	5-Nov-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert.	ENGI
Witness's Name	B White	WITN
Service Order Number	B297-00019	SON
	Time Logger At Bottom 23:44	
	Logging Unit Location AUSL / PROD 4	

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	206.0 (degF)	MRT
	206.0 (degF)	MRT1
Date Logger At Bottom	5-Nov-2009	DLAB, TLAB
	Time Logger At Bottom 23:44	

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 = 57deg @ 869.3m MDKB.	R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2212.5m to 2214.5 m MDKB.	R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.	R4
Set 7" 26 lb/ft Posiset plug with Top of Seal at 2215.5m MDKB and then dump approx 1m of cement on top .	R5
Perforation Zone = 2212.5 m to 2214.5m MDKB	R7
Top Shot @ 2212.5m MDKB	R8
CCL to Top Shot = 3.6 m	R9
CCL Stop Depth = 2208.9 m MDKB	R10
4.5" Posiset Plug top of Seal Set @ 2215.5m MDKB	R12
CCL to Top of Seal = 7 m	R13
CCL stop Depth = 2208.5m MDKB	R14
1m of Cement dumped in 1 Run.	R15
Crew :A Pratt , G Martin	R17

Other Services

RST Survey	OS1
------------	-----

Frame Summary

File: **PERFO_043LUP**

Sequence: 2

Origin: 83

<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	2212.70 7259.50	2182.67 m 7161.00 ft	-60.0 (0.1 in) up	22	TDEP	60B
BOREHOLE-DEPTH	2212.70 7259.50	2182.70 m 7161.08 ft	-10.0 (0.1 in) up	10	TDEP;1	10B

File Header

File: **PERFO_044LTP**

Sequence: 3

Defining Origin: 83

File ID: PERFO_044LTP File Type: STATION

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 42

5-NOV-2009 23:12:11

Company Name: Esso Australia Pty Ltd.

Well Name: A-20a

Field Name: Bream A

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

Computations: WELLCAD, BORDYN

Error Summary

File: **PERFO_044LTP**

Sequence: 3

No errors detected in file.

Well Site Data

File: **PERFO_044LTP**

Sequence: 3

Origin: 83

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20a	WN
Field Name	Bream A	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	B297-00019	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (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	5-Nov-2009	DATE
Run Number	2 through 6	RUN
Total Depth – Driller	2222.0 (m)	TDD
Total Depth – Logger	2222.0 (m)	TDL
Bottom Log Interval	2216.0 (m)	BLI
Top Log Interval	2000.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2321.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Bit Size Depth From	1123.2 (m)			BSDF
Bit Size Depth To	2326.0 (m)			BSDT
Date Logger At Bottom	5–Nov–2009	Time Logger At Bottom	23:44	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	AUSL / PROD 4	LUN, LUL
Engineer's Name	S Gilbert.			ENGI
Witness's Name	B White			WITN
Service Order Number	B297–00019			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	206.0 (degF)			MRT
	206.0 (degF)			MRT1
Date Logger At Bottom	5–Nov–2009	Time Logger At Bottom	23:44	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 = 57deg @ 869.3m MDKB.				R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2212.5m to 2214.5 m MDKB.				R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.				R4
Set 7" 26 lb/ft Posiset plug with Top of Seal at 2215.5m MDKB and then dump approx 1m of cement on top .				R5
Perforation Zone = 2212.5 m to 2214.5m MDKB				R7
Top Shot @ 2212.5m MDKB				R8
CCL to Top Shot = 3.6 m				R9
CCL Stop Depth = 2208.9 m MDKB				R10
4.5" Posiset Plug top of Seal Set @ 2215.5m MDKB				R12
CCL to Top of Seal = 7 m				R13
CCL stop Depth = 2208.5m MDKB				R14
1m of Cement dumped in 1 Run.				R15
Crew :A Pratt , G Martin				R17
Other Services				
RST Survey				OS1

Frame Summary File: PERFO_044LTP Sequence: 3						
Origin: 83						
<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	2356.59	3187.59 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	2356.59	3188.09 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	2356.59	3188.34 s	500.0 (0.5 ms)	4	TIME;5	500T

File Header		File: PERFO_054PUP	Sequence: 4
Defining Origin: 105			
File ID: PERFO_054PUP File Type: PLAYBACK			
Producer Name: Schlumberger		Product/Version: OP 17C0-154	File Set: 41
		File Number: 52	6-NOV-2009 1:06:52
Company Name:	Esso Australia Pty Ltd.		
Well Name:	A-20a		
Field Name:	Bream A		
Tool String:	MWPT-CA, MWGT-AA		
Computations:	WELLCAD, BORDYN		

Error Summary File: PERFO_054PUP Sequence: 4	
No errors detected in file.	

Well Site Data File: PERFO_054PUP Sequence: 4	
Origin: 105	
Well Data	
Company Name	Esso Australia Pty Ltd.
Site Name	CN

Well Name	A-20a		WN
Field Name	Bream A		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	B297-00019		SON
Longitude	147 46'15"E		LONG
Latitude	038 30'04"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	32.8 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	32.8 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)
Log Measured From	D.F	Above Permanent Datum	32.8 (m)
Drilling Measured From	D.F		PDAT, EPD
			LMF, APD
			DMF

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

Job Data

Date as Month-Day-Year	5-Nov-2009		DATE
Run Number	2 through 6		RUN
Total Depth - Driller	2222.0 (m)		TDD
Total Depth - Logger	2222.0 (m)		TDL
Bottom Log Interval	2216.0 (m)		BLI
Top Log Interval	2000.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.2 (m)		CDF
Casing Depth To	2321.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	1123.2 (m)		BSDF
Bit Size Depth To	2326.0 (m)		BSDT
Date Logger At Bottom	5-Nov-2009	Time Logger At Bottom	23:44
Logging Unit Number	889	Logging Unit Location	AUSL / PROD 4
Engineer's Name	S Gilbert.		DLAB, TLAB
Witness's Name	B White		LUN, LUL
Service Order Number	B297-00019		ENGI
			WITN
			SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	206.0 (degF)		MRT
	206.0 (degF)		MRT1
Date Logger At Bottom	5-Nov-2009	Time Logger At Bottom	23:44
			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 = 57deg @ 869.3m MDKB.		R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2212.5m to 2214.5 m MDKB.		R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.		R4
Set 7" 26 lb/ft Posiset plug with Top of Seal at 2215.5m MDKB and then dump approx 1m of cement on top .		R5
Perforation Zone = 2212.5 m to 2214.5m MDKB		R7
Top Shot @ 2212.5m MDKB		R8
CCL to Top Shot = 3.6 m		R9
CCL Stop Depth = 2208.9 m MDKB		R10
DDL to Bottom of Dummy Plug = 5.5m		R11
4.5" Posiset Plug top of Seal Set @ 2215.5m MDKB		R12
CCL to Top of Seal = 7 m		R13
CCL stop Depth = 2208.5m MDKB		R14
1m of Cement dumped in 1 Run.		R15
Crew :A Pratt , G Martin		R17

Other Services

RST Survey		OS1
------------	--	-----

Origin: 105

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2217.27	2139.85 m	-60.0 (0.1 in) up	22	TDEP	60B
	7274.50	7020.50 ft				
BOREHOLE-DEPTH	2217.27	2140.03 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	7274.50	7021.08 ft				

File Header

File: CCL_065LUP Sequence: 5

Defining Origin: 41

File ID: CCL_065LUP	File Type: DEPTH LOG				
Producer Name: Schlumberger	Product/Version: OP 17C0-154	File Set: 41	File Number: 63	6-NOV-2009	3:08:49
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A-20a				
Field Name:	Bream A				
Tool String:	MPEX-DA, MPSU-CA, CCL-PCC				
Computations:	WELLCAD				

Error Summary

File: CCL_065LUP Sequence: 5

No errors detected in file.

Well Site Data

File: CCL_065LUP Sequence: 5

Origin: 41

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-20a		WN
Field Name	Bream A		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	B297-00019		SON
Longitude	147 46'15"E		LONG
Latitude	038 30'04"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	32.8 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	32.8 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 32.8 (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	5-Nov-2009	DATE
Run Number	2 through 6	RUN
Total Depth - Driller	2222.0 (m)	TDD
Total Depth - Logger	2222.0 (m)	TDL
Bottom Log Interval	2216.0 (m)	BLI
Top Log Interval	2000.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2321.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI

Bit Size	8.50 (in)				BS
Bit Size Depth From	1123.2 (m)				BSDF
Bit Size Depth To	2326.0 (m)				BSDT
Date Logger At Bottom	5–Nov–2009	Time Logger At Bottom	23:44		DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	AUSL / PROD 4		LUN, LUL
Engineer's Name	S Gilbert. O Darby				ENGI
Witness's Name	B White				WITN
Service Order Number	B297–00019				SON
Mud Data					
Drilling Fluid Type	Production Fluids				DFT
Maximum Recorded Temperature	206.0 (degF)				MRT
	206.0 (degF)				MRT1
Date Logger At Bottom	5–Nov–2009	Time Logger At Bottom	23:44		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 = 57deg @ 869.3m MDKB.					R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2212.5m to 2214.5 m MDKB.					R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.					R4
Set 7" 26 lb/ft Posiset plug with Top of Seal at 2215.5m MDKB and then dump approx 1m of cement on top .					R5
Perforation Zone = 2212.5 m to 2214.5m MDKB					R7
Top Shot @ 2212.5m MDKB					R8
CCL to Top Shot = 3.6 m					R9
CCL Stop Depth = 2208.9 m MDKB					R10
DDL to Bottom of Dummy Plug = 5.5m					R11
4.5" Posiset Plug top of Seal Set @ 2215.5m MDKB					R12
CCL to Top of Seal = 7 m					R13
CCL stop Depth = 2208.5m MDKB					R14
1m of Cement dumped in 1 Run.					R15
Crew :A Pratt , G Martin					R17
Other Services					
RST Survey					OS1

Frame Summary	File: CCL_065LUP	Sequence: 5
---------------	------------------	-------------

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	2200.50	2169.87 m	–60.0 (0.1 in) up	7	TDEP	60B
	7219.50	7119.00 ft				
BOREHOLE–DEPTH	2200.50	2169.90 m	–10.0 (0.1 in) up	7	TDEP;1	10B
	7219.50	7119.08 ft				

File Header	File: CCL_066LUP	Sequence: 6
-------------	------------------	-------------

Defining Origin: 41						
File ID: CCL_066LUP	File Type: DEPTH LOG					
Producer Name: Schlumberger	Product/Version: OP 17C0–154	File Set: 41	File Number: 64	6–NOV–2009	3:22:05	
Company Name:	Esso Australia Pty Ltd.					
Well Name:	A–20a					
Field Name:	Bream A					
Tool String:	MPEX–DA, MPSU–CA, CCL–PCC					
Computations:	WELLCAD					

Error Summary	File: CCL_066LUP	Sequence: 6
---------------	------------------	-------------

No errors detected in file

Well Site DataFile: **CCL_066LUP** Sequence: **6****Origin: 41****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20a	WN
Field Name	Bream A	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	B297-00019	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (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 32.8 (m)	

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

Job Data

Date as Month-Day-Year	5-Nov-2009	DATE
Run Number	2 through 6	RUN
Total Depth - Driller	2222.0 (m)	TDD
Total Depth - Logger	2222.0 (m)	TDL
Bottom Log Interval	2216.0 (m)	BLI
Top Log Interval	2000.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2321.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	1123.2 (m)	BSDF
Bit Size Depth To	2326.0 (m)	BSDT
Date Logger At Bottom	5-Nov-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert. O Darby	ENGI
Witness's Name	B White	WITN
Service Order Number	B297-00019	SON
	Time Logger At Bottom 23:44	
	Logging Unit Location AUSL / PROD 4	

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	206.0 (degF)	MRT
	206.0 (degF)	MRT1
Date Logger At Bottom	5-Nov-2009	DLAB, TLAB
	Time Logger At Bottom 23:44	

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 composite supplied with logging program.	R1
Maximum well deviation = 57deg @ 869.3m MDKB.	R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2212.5m to 2214.5 m MDKB.	R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.	R4
Set 7" 26 lb/ft Posiset plug with Top of Seal at 2215.5m MDKB and then dump approx 1m of cement on top .	R5
Perforation Zone = 2212.5 m to 2214.5m MDKB	R7
Top Shot @ 2212.5m MDKB	R8
CCL to Top Shot = 3.6 m	R9
CCL Stop Depth = 2208.9 m MDKB	R10
DDL to Bottom of Dummy Plug = 5.5m	R11
4.5" Posiset Plug top of Seal Set @ 2215.5m MDKB	R12
CCL to Top of Seal = 7 m	R13

CCL to Top of Casing = 7 m	R10
CCL stop Depth = 2208.5m MDKB	R14
1m of Cement dumped in 1 Run.	R15
Crew :A Pratt , G Martin	R17
Other Services	
RST Survey	OS1

Frame Summary		File: CCL_066LUP	Sequence: 6			
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	12192.00	11728.40 m	-60.0 (0.1 in) up	7	TDEP	60B
	40000.00	38479.00 ft				
BOREHOLE-DEPTH	12192.00	11728.42 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00	38479.08 ft				

File Header	File: CCL_069LUP	Sequence: 7
Defining Origin: 41		
File ID: CCL_069LUP File Type: DEPTH LOG		
Producer Name: Schlumberger Product/Version: OP 17C0-154 File Set: 41 File Number: 67 6-NOV-2009 4:01:01		
Company Name: Esso Australia Pty Ltd.		
Well Name: A-20a		
Field Name: Bream A		
Tool String: MPEX-DA, MPSU-CA, CCL-PCC		
Computations: WELLCAD		

Error Summary	File: CCL_069LUP	Sequence: 7
No errors detected in file.		

Well Site Data	File: CCL_069LUP	Sequence: 7
Origin: 41		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20a	WN
Field Name	Bream A	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	B297-00019	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (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	5-Nov-2009	DATE
Run Number	2 through 6	RUN
Total Depth - Driller	2222.0 (m)	TDD
Total Depth - Logger	2222.0 (m)	TDL
Bottom Log Interval	2216.0 (m)	BLI
Top Log Interval	2000.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2321.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	1123.2 (m)	BSDF

Bit Size Depth To	2326.0 (m)			BSDT
Date Logger At Bottom	5–Nov–2009	Time Logger At Bottom	23:44	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	AUSL / PROD 4	LUN, LUL
Engineer's Name	S Gilbert. O Darby			ENGI
Witness's Name	B White			WITN
Service Order Number	B297–00019			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	206.0 (degF)			MRT
	206.0 (degF)			MRT1
Date Logger At Bottom	5–Nov–2009	Time Logger At Bottom	23:44	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 = 57deg @ 869.3m MDKB.				R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2212.5m to 2214.5 m MDKB.				R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.				R4
Set 7" 26 lb/ft Posiset plug with Top of Seal at 2215.5m MDKB and then dump approx 1m of cement on top .				R5
Perforation Zone = 2212.5 m to 2214.5m MDKB				R7
Top Shot @ 2212.5m MDKB				R8
CCL to Top Shot = 3.6 m				R9
CCL Stop Depth = 2208.9 m MDKB				R10
DDL to Bottom of Dummy Plug = 5.5m				R11
4.5" Posiset Plug top of Seal Set @ 2215.5m MDKB				R12
CCL to Top of Seal = 7 m				R13
CCL stop Depth = 2208.5m MDKB				R14
1m of Cement dumped in 1 Run.				R15
Crew :A Pratt , G Martin				R17
Other Services				
RST Survey				OS1

Frame Summary File: CCL_069LUP Sequence: 7						
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	2208.43	2169.72 m	–60.0 (0.1 in) up	7	TDEP	60B
	7245.50	7118.50 ft				
BOREHOLE–DEPTH	2208.43	2169.74 m	–10.0 (0.1 in) up	7	TDEP,1	10B
	7245.50	7118.58 ft				

File Header	File: PERFO_079PUP	Sequence: 8
Defining Origin: 41		
File ID: PERFO_079PUP File Type: PLAYBACK		
Producer Name: Schlumberger	Product/Version: OP 17C0–154	File Set: 41 File Number: 77 6–NOV–2009 19:09:12
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A–20a	
Field Name:	Bream A	
Tool String:	CCL–PCCL, SHM_GUN	
Computations:	WELLCAD	

Error Summary	File: PERFO_079PUP	Sequence: 8
----------------------	---------------------------	--------------------

Origin: 41

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-20a		WN
Field Name	Bream A		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	B297-00019		SON
Longitude	147 46'15"E		LONG
Latitude	038 30'04"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	32.8 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	32.8 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 32.8 (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	5-Nov-2009		DATE
Run Number	2 through 6		RUN
Total Depth - Driller	2222.0 (m)		TDD
Total Depth - Logger	2222.0 (m)		TDL
Bottom Log Interval	2216.0 (m)		BLI
Top Log Interval	2000.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.2 (m)		CDF
Casing Depth To	2321.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	1123.2 (m)		BSDF
Bit Size Depth To	2326.0 (m)		BSDT
Date Logger At Bottom	5-Nov-2009	Time Logger At Bottom 23:44	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location AUSL / PROD 4	LUN, LUL
Engineer's Name	S Gilbert. O Darby		ENGI
Witness's Name	B White		WITN
Service Order Number	B297-00019		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	206.0 (degF)		MRT
	206.0 (degF)		MRT1
Date Logger At Bottom	5-Nov-2009	Time Logger At Bottom 23:44	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 = 57deg @ 869.3m MDKB.	R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2212.5m to 2214.5 m MDKB.	R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.	R4
Set 7" 26 lb/ft Posiset plug with Top of Seal at 2215.5m MDKB and then dump approx 1m of cement on top .	R5
Perforation Zone = 2212.5 m to 2214.5m MDKB	R7
Top Shot @ 2212.5m MDKB	R8
CCL to Top Shot = 3.6 m	R9
CCL Stop Depth = 2208.9 m MDKB	R10
DDL to Bottom of Dummy Plug = 5.5m	R11
4.5" Posiset Plug top of Seal Set @ 2215.5m MDKB	R12

CCL to Top of Seal = 7 m	R13
CCL stop Depth = 2208.5m MDKB	R14
1m of Cement dumped in 1 Run.	R15
Crew :A Pratt , G Martin	R17
Other Services	
RST Survey	OS1

Frame Summary		File: PERFO_079PUP		Sequence: 8		
Origin: 41						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2205.08	2140.92 m	-60.0 (0.1 in) up	7	TDEP	60B
	7234.50	7024.00 ft				
BOREHOLE-DEPTH	2205.08	2140.94 m	-10.0 (0.1 in) up	7	TDEP,1	10B
	7234.50	7024.08 ft				

File Header	File: PERFO_085PUP	Sequence: 9
Defining Origin: 41		
File ID: PERFO_085PUP	File Type: PLAYBACK	
Producer Name: Schlumberger	Product/Version: OP 17C0-154	File Set: 41
		File Number: 83
		6-NOV-2009 21:46:16
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A-20a	
Field Name:	Bream A	
Tool String:	CCL-PCCL, SHM_GUN	
Computations:	WELLCAD	

Error Summary	File: PERFO_085PUP	Sequence: 9
No errors detected in file.		

Well Site Data	File: PERFO_085PUP	Sequence: 9
Origin: 41		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20a	WN
Field Name	Bream A	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	B297-00019	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (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	5-Nov-2009	DATE
Run Number	2 through 6	RUN
Total Depth - Driller	2222.0 (m)	TDD
Total Depth - Logger	2222.0 (m)	TDL
Bottom Log Interval	2216.0 (m)	BLI

Top Log Interval	2000.0 (m)			TLI
Current Casing Size	7.00 (in)			CSIZ
Casing Depth From	12.2 (m)			CDF
Casing Depth To	2321.0 (m)			CADT
Casing Grade	L-80			CASG
Casing Weight	26.0 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	1123.2 (m)			BSDF
Bit Size Depth To	2326.0 (m)			BSDT
Date Logger At Bottom	5-Nov-2009	Time Logger At Bottom	23:44	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	AUSL / PROD 4	LUN, LUL
Engineer's Name	S Gilbert. O Darby			ENGI
Witness's Name	B White			WITN
Service Order Number	B297-00019			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	206.0 (degF)			MRT
	206.0 (degF)			MRT1
Date Logger At Bottom	5-Nov-2009	Time Logger At Bottom	23:44	DLAB, 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: 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 = 57deg @ 869.3m MDKB.				R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2212.5m to 2214.5 m MDKB.				R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.				R4
Set 7" 26 lb/ft Posiset plug with Top of Seal at 2215.5m MDKB and then dump approx 1m of cement on top .				R5
Perforation Zone = 2212.5 m to 2214.5m MDKB				R7
Top Shot @ 2212.5m MDKB				R8
CCL to Top Shot = 3.6 m				R9
CCL Stop Depth = 2208.9 m MDKB				R10
DDL to Bottom of Dummy Plug = 5.5m				R11
4.5" Posiset Plug top of Seal Set @ 2215.5m MDKB				R12
CCL to Top of Seal = 7 m				R13
CCL stop Depth = 2208.5m MDKB				R14
1m of Cement dumped in 1 Run.				R15
Crew :A Pratt , G Martin				R17
Other Services				
RST Survey				OS1

Frame Summary File: PERFO_085PUP Sequence: 9						
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	2204.62	2140.92 m	-60.0 (0.1 in) up	7	TDEP	60B
	7233.00	7024.00 ft				
BOREHOLE-DEPTH	2204.62	2140.94 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	7233.00	7024.08 ft				

		Verification Listing	Listing Completed: 6-NOV-2009 23:14:39
--	--	-----------------------------	---