

Input Source: D:\OP_Folder\Clients\Essso_2009\BMA_A5a\GUN\COMP_BMA_A5A_COMP_048.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_012LUP** Sequence: **1**

Defining Origin: 30

File ID: PERFO_012LUP File Type: DEPTH LOG

Producer Name: Schlumberger Product/Version: OP 17C0-154 File Set: 41 File Number: 11 2-NOV-2009 4:24:54

Company Name: Esso Australia Pty Ltd.
Well Name: A-5a
Field Name: Bream A
Tool String: MWP_GUN, MWPT-CA, MWGT-AA
Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_012LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_012LUP** Sequence: **1**

Origin: 30

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-5a	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	B297-00018	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	58.0 (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	2-Nov-2009	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	2676.0 (m)	TDD
Total Depth - Logger	2675.0 (m)	TDL
Bottom Log Interval	2675.0 (m)	BLI
Top Log Interval	2450.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	11.7 (m)	CDF
Casing Depth To	2809.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.0 (lbm/ft)	CWEI
Bit Size	8.00 (in)	BS
Bit Size Depth From	895.5 (m)	BSDF
Bit Size Depth To	2810.0 (m)	BSDT
Date Logger At Bottom	2-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	B297-00018	SON
	Time Logger At Bottom 4:52	
	Logging Unit Location AUSL / PROD 4	

Mud Data

Mud Data				DFT
Drilling Fluid Type	Production Fluids			MRT
Maximum Recorded Temperature	210.0 (degF)			MRT1
	210.0 (degF)			DLAB, TLAB
Date Logger At Bottom	2-Nov-2009	Time Logger At Bottom	4:52	
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 = 58deg @ 2773m MDKB.				R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2656 m to 2658 m MDKB.				R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.				R4
Set 7" 29 lb/ft Posiset plug with Top of Seal at 2660m MDKB and then dump approx 1m of cement on top .				R5
Perforation Zone = 2656 m to 2658 m MDKB				R7
Top Shot @ 2656 m MDKB				R8
CCL to Top Shot = 3.6 m				R9
CCL Stop Depth = 2652.4 m MDKB				R10
4.5" Posiset Plug top of Seal Set @ 2660m MDKB				R12
CCL to Top of Seal = 7 m				R13
CCL stop Depth = 2653m MDKB				R14
1m of Cement dumped in 1 Run.				R15
Crew : J Annear , A Pratt , G Martin				R17
Other Services				
None				OS1

Frame Summary		File: PERFO_012LUP	Sequence: 1			
Origin: 30						
<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	2665.78	2636.98 m	-60.0 (0.1 in) up	22	TDEP	60B
	8746.00	8651.50 ft				
BOREHOLE-DEPTH	2665.78	2637.00 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	8746.00	8651.58 ft				

File Header		File: PERFO_013LUP	Sequence: 2		
Defining Origin: 30					
File ID: PERFO_013LUP File Type: DEPTH LOG					
Producer Name: Schlumberger		Product/Version: OP 17C0-154	File Set: 41	File Number: 12	2-NOV-2009 4:29:15
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A-5a				
Field Name:	Bream A				
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA				
Computations:	WELLCAD, BORDYN				

Error Summary		File: PERFO_013LUP	Sequence: 2
No errors detected in file.			

Well Site Data		File: PERFO_013LUP	Sequence: 2
Origin: 30			

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-5a	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	B297-00018	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	58.0 (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	2-Nov-2009	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	2676.0 (m)	TDD
Total Depth - Logger	2675.0 (m)	TDL
Bottom Log Interval	2675.0 (m)	BLI
Top Log Interval	2450.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	11.7 (m)	CDF
Casing Depth To	2809.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.0 (lbm/ft)	CWEI
Bit Size	8.00 (in)	BS
Bit Size Depth From	895.5 (m)	BSDF
Bit Size Depth To	2810.0 (m)	BSDT
Date Logger At Bottom	2-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	B297-00018	SON
	Time Logger At Bottom 4:52	
	Logging Unit Location AUSL / PROD 4	

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	210.0 (degF)	MRT
	210.0 (degF)	MRT1
Date Logger At Bottom	2-Nov-2009	DLAB, TLAB
	Time Logger At Bottom 4:52	

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 = 58deg @ 2773m MDKB.	R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2656 m to 2658 m MDKB.	R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.	R4
Set 7" 29 lb/ft Posiset plug with Top of Seal at 2660m MDKB and then dump approx 1m of cement on top .	R5
Perforation Zone = 2656 m to 2658 m MDKB	R7
Top Shot @ 2656 m MDKB	R8
CCL to Top Shot = 3.6 m	R9
CCL Stop Depth = 2652.4 m MDKB	R10
4.5" Posiset Plug top of Seal Set @ 2660m MDKB	R12
CCL to Top of Seal = 7 m	R13
CCL stop Depth = 2653m MDKB	R14
1m of Cement dumped in 1 Run.	R15
Crew : J Annear , A Pratt , G Martin	R17

Other Services

None	OS1
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Frame Summary		File: PERFO_013LUP		Sequence: 2		
Origin: 30						
<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	2666.24	2631.34 m	-60.0 (0.1 in) up	22	TDEP	60B
	8747.50	8633.00 ft				
BOREHOLE-DEPTH	2666.24	2631.36 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	8747.50	8633.08 ft				

File Header		File: PERFO_014LTP		Sequence: 3		
Defining Origin: 30						
File ID: PERFO_014LTP File Type: STATION						
Producer Name: Schlumberger		Product/Version: OP 17C0-154		File Set: 41	File Number: 13	2-NOV-2009 4:32:46
Company Name:	Esso Australia Pty Ltd.					
Well Name:	A-5a					
Field Name:	Bream A					
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA					
Computations:	WELLCAD, BORDYN					

Error Summary	File: PERFO_014LTP	Sequence: 3
No errors detected in file.		

Well Site Data		File: PERFO_014LTP	Sequence: 3
Origin: 30			
Well Data			
Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-5a		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	B297-00018		SON
Longitude	147 46'15"E		LONG
Latitude	038 30'04"S		LATI
Maximum Hole Deviation	58.0 (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	2-Nov-2009		DATE
Run Number	1 through 5		RUN
Total Depth - Driller	2676.0 (m)		TDD
Total Depth - Logger	2675.0 (m)		TDL
Bottom Log Interval	2675.0 (m)		BLI
Top Log Interval	2450.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	11.7 (m)		CDF
Casing Depth To	2809.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	29.0 (lbm/ft)		CWEI
Bit Size	8.00 (in)		BS

Bit Size Depth From	895.5 (m)			BSDF
Bit Size Depth To	2810.0 (m)			BSDT
Date Logger At Bottom	2–Nov–2009	Time Logger At Bottom	4:52	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	B297–00018			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	210.0 (degF)			MRT
	210.0 (degF)			MRT1
Date Logger At Bottom	2–Nov–2009	Time Logger At Bottom	4:52	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 = 58deg @ 2773m MDKB.				R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2656 m to 2658 m MDKB.				R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.				R4
Set 7" 29 lb/ft Posiset plug with Top of Seal at 2660m MDKB and then dump approx 1m of cement on top .				R5
Perforation Zone = 2656 m to 2658 m MDKB				R7
Top Shot @ 2656 m MDKB				R8
CCL to Top Shot = 3.6 m				R9
CCL Stop Depth = 2652.4 m MDKB				R10
4.5" Posiset Plug top of Seal Set @ 2660m MDKB				R12
CCL to Top of Seal = 7 m				R13
CCL stop Depth = 2653m MDKB				R14
1m of Cement dumped in 1 Run.				R15
Crew : J Annear , A Pratt , G Martin				R17
Other Services				
None				OS1

Frame Summary File: PERFO_014LTP Sequence: 3						
Origin: 30						
<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	2548.59	3348.59 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	2548.59	3349.09 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	2548.59	3349.09 s	500.0 (0.5 ms)	4	TIME;5	500T

File Header		File: PSP_026PUP	Sequence: 4
Defining Origin: 34			
File ID: PSP_026PUP File Type: PLAYBACK			
Producer Name: Schlumberger		Product/Version: OP 17C0-154	File Set: 41
		File Number: 25	2-NOV-2009 18:51:17
Company Name:	Esso Australia Pty Ltd.		
Well Name:	A-5a		
Field Name:	Bream A		
Tool String:	PSPT-B		
Computations:	WELLCAD, BORDYN		

Error Summary File: PSP_026PUP Sequence: 4	
No errors detected in file.	

Well Site Data File: PSP_026PUP Sequence: 4	
Origin: 34	
Well Data	
Company Name	Esso Australia Pty Ltd.
Site Name	CN

Well Name	A-5a		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	B297-00018		SON
Longitude	147 46'15"E		LONG
Latitude	038 30'04"S		LATI
Maximum Hole Deviation	58.0 (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	2-Nov-2009		DATE
Run Number	1 through 5		RUN
Total Depth - Driller	2676.0 (m)		TDD
Total Depth - Logger	2675.0 (m)		TDL
Bottom Log Interval	2675.0 (m)		BLI
Top Log Interval	2450.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	11.7 (m)		CDF
Casing Depth To	2809.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	29.0 (lbm/ft)		CWEI
Bit Size	8.00 (in)		BS
Bit Size Depth From	895.5 (m)		BSDF
Bit Size Depth To	2810.0 (m)		BSDT
Date Logger At Bottom	2-Nov-2009	Time Logger At Bottom	4:52
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	B297-00018		ENGI
			WITN
			SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	210.0 (degF)		MRT
	210.0 (degF)		MRT1
Date Logger At Bottom	2-Nov-2009	Time Logger At Bottom	4:52
			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 = 58deg @ 2773m MDKB.		R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2656 m to 2658 m MDKB.		R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.		R4
Set 7" 29 lb/ft Posiset plug with Top of Seal at 2660m MDKB and then dump approx 1m of cement on top .		R5
Perforation Zone = 2656 m to 2658 m MDKB		R7
Top Shot @ 2656 m MDKB		R8
CCL to Top Shot = 3.6 m		R9
CCL Stop Depth = 2652.4 m MDKB		R10
4.5" Posiset Plug top of Seal Set @ 2660m MDKB		R12
CCL to Top of Seal = 7 m		R13
CCL stop Depth = 2653m MDKB		R14
1m of Cement dumped in 1 Run.		R15
Crew : J Annear , A Pratt , G Martin		R17

Other Services

None		OS1
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Origin: 34

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2678.43	2440.08 m	-60.0 (0.1 in) up	28	TDEP	60B
	8787.50	8005.50 ft				
BOREHOLE-DEPTH	2678.43	2440.25 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	8787.50	8006.08 ft				

File Header

File: CCL_036LUP Sequence: 5

Defining Origin: 51

File ID: CCL_036LUP File Type: DEPTH LOG

Producer Name: Schlumberger Product/Version: OP 17C0-154 File Set: 41 File Number: 35 2-NOV-2009 21:19:14

Company Name: Esso Australia Pty Ltd.

Well Name: A-5a

Field Name: Bream A

Tool String: MPEX-DA, MPSU-CA, CCL-PCC

Computations: WELLCAD

Error Summary

File: CCL_036LUP Sequence: 5

No errors detected in file.

Well Site Data

File: CCL_036LUP Sequence: 5

Origin: 51

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-5a	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	B297-00018	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	58.0 (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	2-Nov-2009	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	2676.0 (m)	TDD
Total Depth - Logger	2676.0 (m)	TDL
Bottom Log Interval	2676.0 (m)	BLI
Top Log Interval	2450.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	11.7 (m)	CDF
Casing Depth To	2809.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.0 (lbm/ft)	CWEI

Bit Size	8.00 (in)				BS
Bit Size Depth From	895.5 (m)				BSDF
Bit Size Depth To	2810.0 (m)				BSDT
Date Logger At Bottom	2–Nov–2009	Time Logger At Bottom	4:52		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	B297–00018				SON
Mud Data					
Drilling Fluid Type	Production Fluids				DFT
Maximum Recorded Temperature	208.0 (degF)				MRT
	208.0 (degF)				MRT1
Date Logger At Bottom	2–Nov–2009	Time Logger At Bottom	4:52		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 = 58deg @ 2773m MDKB.					R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2656 m to 2658 m MDKB.					R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.					R4
Set 7" 29 lb/ft Posiset plug with Top of Seal at 2660m MDKB and then dump approx 1m of cement on top .					R5
HUD Tagged with Dummy Plug @2676m MDKB					R6
Perforation Zone = 2656 m to 2658 m MDKB					R7
Top Shot @ 2656 m MDKB					R8
CCL to Top Shot = 3.6 m					R9
CCL Stop Depth = 2652.4 m MDKB					R10
4.5" Posiset Plug top of Seal Set @ 2660m MDKB					R12
CCL to Top of Seal = 7 m					R13
CCL stop Depth = 2653m MDKB					R14
1m of Cement dumped in 1 Run.					R15
Crew : J Annear , A Pratt , G Martin					R17
Other Services					
None					OS1
Frame Summary File: CCL_036LUP Sequence: 5					
Origin: 51					
Index Type	Start	Stop	Spacing	Channels	Index Channel
BOREHOLE–DEPTH	2562.00	2468.58 m	–60.0 (0.1 in) up	7	TDEP
	8405.50	8099.00 ft			
BOREHOLE–DEPTH	2562.00	2468.45 m	–10.0 (0.1 in) up	7	TDEP;1
	8405.50	8098.58 ft			10B
File Header File: CCL_037LUP Sequence: 6					
Defining Origin: 51					
File ID: CCL_037LUP File Type: DEPTH LOG					
Producer Name: Schlumberger		Product/Version: OP 17C0–154		File Set: 41	File Number: 36
2–NOV–2009 21:42:23					
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A–5a				
Field Name:	Bream A				
Tool String:	MPEX–DA, MPSU–CA, CCL–PCC				
Computations:	WELLCAD				
Error Summary File: CCL_037LUP Sequence: 6					
No errors detected in file.					

Well Site DataFile: **CCL_037LUP** Sequence: **6****Origin: 51****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-5a	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	B297-00018	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	58.0 (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	2-Nov-2009	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	2676.0 (m)	TDD
Total Depth - Logger	2676.0 (m)	TDL
Bottom Log Interval	2676.0 (m)	BLI
Top Log Interval	2450.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	11.7 (m)	CDF
Casing Depth To	2809.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.0 (lbm/ft)	CWEI
Bit Size	8.00 (in)	BS
Bit Size Depth From	895.5 (m)	BSDF
Bit Size Depth To	2810.0 (m)	BSDT
Date Logger At Bottom	2-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	B297-00018	SON
	Time Logger At Bottom 4:52	
	Logging Unit Location AUSL / PROD 4	

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	208.0 (degF)	MRT
	208.0 (degF)	MRT1
Date Logger At Bottom	2-Nov-2009	DLAB, TLAB
	Time Logger At Bottom 4:52	

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
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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 = 58deg @ 2773m MDKB.	R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2656 m to 2658 m MDKB.	R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.	R4
Set 7" 29 lb/ft Posiset plug with Top of Seal at 2660m MDKB and then dump approx 1m of cement on top .	R5
HUD Tagged with Dummy Plug @2676m MDKB	R6
Perforation Zone = 2656 m to 2658 m MDKB	R7
Top Shot @ 2656 m MDKB	R8
CCL to Top Shot = 3.6 m	R9
CCL Stop Depth = 2652.4 m MDKB	R10
4.5" Posiset Plug top of Seal Set @ 2660m MDKB	R12
CCL to Top of Seal = 7 m	R13

CCL to Top of Seal = 7 m	R10
CCL stop Depth = 2653m MDKB	R14
1m of Cement dumped in 1 Run.	R15
Crew : J Annear , A Pratt , G Martin	R17
Other Services	
None	OS1

Frame Summary		File: CCL_037LUP	Sequence: 6			
Origin: 51						
<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	11581.03 m	-60.0 (0.1 in) up	7	TDEP	60B
	40000.00	37995.50 ft				
BOREHOLE-DEPTH	12192.00	11581.05 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00	37995.58 ft				

File Header	File: CCL_038LUP	Sequence: 7
Defining Origin: 51		
File ID: CCL_038LUP	File Type: DEPTH LOG	
Producer Name: Schlumberger	Product/Version: OP 17C0-154	File Set: 41
		File Number: 37
		2-NOV-2009 22:23:13
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A-5a	
Field Name:	Bream A	
Tool String:	MPEX-DA, MPSU-CA, CCL-PCC	
Computations:	WELLCAD	

Error Summary	File: CCL_038LUP	Sequence: 7
No errors detected in file.		

Well Site Data	File: CCL_038LUP	Sequence: 7
Origin: 51		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-5a	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	B297-00018	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	58.0 (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	2-Nov-2009	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	2676.0 (m)	TDD
Total Depth - Logger	2676.0 (m)	TDL
Bottom Log Interval	2676.0 (m)	BLI
Top Log Interval	2450.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	11.7 (m)	CDF
Casing Depth To	2809.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.0 (lbm/ft)	CWEI
Bit Size	8.00 (in)	BS
Bit Size Depth From	895.5 (m)	BSDF

Bit Size Depth To	2810.0 (m)			BSDT
Date Logger At Bottom	2–Nov–2009	Time Logger At Bottom	4:52	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	B297–00018			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	208.0 (degF)			MRT
	208.0 (degF)			MRT1
Date Logger At Bottom	2–Nov–2009	Time Logger At Bottom	4:52	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 = 58deg @ 2773m MDKB.				R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2656 m to 2658 m MDKB.				R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.				R4
Set 7" 29 lb/ft Posiset plug with Top of Seal at 2660m MDKB and then dump approx 1m of cement on top .				R5
HUD Tagged with Dummy Plug @2676m MDKB				R6
Perforation Zone = 2656 m to 2658 m MDKB				R7
Top Shot @ 2656 m MDKB				R8
CCL to Top Shot = 3.6 m				R9
CCL Stop Depth = 2652.4 m MDKB				R10
4.5" Posiset Plug top of Seal Set @ 2660m MDKB				R12
CCL to Top of Seal = 7 m				R13
CCL stop Depth = 2653m MDKB				R14
1m of Cement dumped in 1 Run.				R15
Crew : J Annear , A Pratt , G Martin				R17
Other Services				
None				OS1

Frame Summary File: CCL_038LUP Sequence: 7						
Origin: 51						
<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	2652.98	2595.52 m	–60.0 (0.1 in) up	7	TDEP	60B
	8704.00	8515.50 ft				
BOREHOLE–DEPTH	2652.98	2595.40 m	–10.0 (0.1 in) up	7	TDEP,1	10B
	8704.00	8515.08 ft				

File Header	File: PERFO_043LUP	Sequence: 8
Defining Origin: 35		
File ID: PERFO_043LUP File Type: DEPTH LOG		
Producer Name: Schlumberger	Product/Version: OP 17C0–154	File Set: 41 File Number: 42 3–NOV–2009 0:34:28
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A–5a	
Field Name:	Bream A	
Tool String:	SHM_GUN, CCL–L	
Computations:	WELLCAD	

Error Summary	File: PERFO_043LUP	Sequence: 8
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Origin: 35

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-5a		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	B297-00018		SON
Longitude	147 46'15"E		LONG
Latitude	038 30'04"S		LATI
Maximum Hole Deviation	58.0 (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	2-Nov-2009		DATE
Run Number	1 through 5		RUN
Total Depth - Driller	2676.0 (m)		TDD
Total Depth - Logger	2676.0 (m)		TDL
Bottom Log Interval	2676.0 (m)		BLI
Top Log Interval	2450.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	11.7 (m)		CDF
Casing Depth To	2809.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	29.0 (lbm/ft)		CWEI
Bit Size	8.00 (in)		BS
Bit Size Depth From	895.5 (m)		BSDF
Bit Size Depth To	2810.0 (m)		BSDT
Date Logger At Bottom	2-Nov-2009	Time Logger At Bottom 4:52	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	B297-00018		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	97.8 (degC)		MRT
	97.8 (degC)		MRT1
Date Logger At Bottom	2-Nov-2009	Time Logger At Bottom 4:52	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 = 58deg @ 2773m MDKB.	R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2656 m to 2658 m MDKB.	R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.	R4
Set 7" 29 lb/ft Posiset plug with Top of Seal at 2660m MDKB and then dump approx 1m of cement on top .	R5
HUD Tagged with Dummy Plug @2676m MDKB	R6
Perforation Zone = 2656 m to 2658 m MDKB	R7
Top Shot @ 2656 m MDKB	R8
CCL to Top Shot = 3.6 m	R9
CCL Stop Depth = 2652.4 m MDKB	R10
4.5" Posiset Plug top of Seal Set @ 2660m MDKB	R12

CCL to Top of Seal = 7 m	R13
CCL stop Depth = 2653m MDKB	R14
1m of Cement dumped in 1 Run.	R15
Crew : J Annear , A Pratt , G Martin	R17
Other Services	
None	OS1

Frame Summary		File: PERFO_043LUP	Sequence: 8			
Origin: 35						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2651.15	2595.07 m	-60.0 (0.1 in) up	7	TDEP	60B
	8698.00	8514.00 ft				
BOREHOLE-DEPTH	2651.15	2595.09 m	-10.0 (0.1 in) up	7	TDEP,1	10B
	8698.00	8514.08 ft				

File Header	File: PERFO_046LUP	Sequence: 9
Defining Origin: 35		
File ID: PERFO_046LUP	File Type: DEPTH LOG	
Producer Name: Schlumberger	Product/Version: OP 17C0-154	File Set: 41
		File Number: 45
		3-NOV-2009 2:12:08
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A-5a	
Field Name:	Bream A	
Tool String:	SHM_GUN, CCL-L	
Computations:	WELLCAD	

Error Summary	File: PERFO_046LUP	Sequence: 9
No errors detected in file.		

Well Site Data	File: PERFO_046LUP	Sequence: 9
Origin: 35		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-5a	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	B297-00018	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	58.0 (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	2-Nov-2009	DATE
Run Number	1 through 5	RUN
Total Depth - Driller	2676.0 (m)	TDD
Total Depth - Logger	2676.0 (m)	TDL
Bottom Log Interval	2676.0 (m)	BLI

Top Log Interval	2450.0 (m)			TLI
Current Casing Size	7.00 (in)			CSIZ
Casing Depth From	11.7 (m)			CDF
Casing Depth To	2809.0 (m)			CADT
Casing Grade	L-80			CASG
Casing Weight	29.0 (lbm/ft)			CWEI
Bit Size	8.00 (in)			BS
Bit Size Depth From	895.5 (m)			BSDF
Bit Size Depth To	2810.0 (m)			BSDT
Date Logger At Bottom	2-Nov-2009	Time Logger At Bottom	4:52	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	B297-00018			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	97.8 (degC)			MRT
	97.8 (degC)			MRT1
Date Logger At Bottom	2-Nov-2009	Time Logger At Bottom	4:52	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: ODN, 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 = 58deg @ 2773m MDKB.				R2
Objectives: Perforate the well using 2 1/8" Powerjet gun's over the interval 2656 m to 2658 m MDKB.				R3
Run 2.13" Dummy Plug to ensure access for Posiset Plug.				R4
Set 7" 29 lb/ft Posiset plug with Top of Seal at 2660m MDKB and then dump approx 1m of cement on top .				R5
HUD Tagged with Dummy Plug @2676m MDKB				R6
Perforation Zone = 2656 m to 2658 m MDKB				R7
Top Shot @ 2656 m MDKB				R8
CCL to Top Shot = 3.6 m				R9
CCL Stop Depth = 2652.4 m MDKB				R10
4.5" Posiset Plug top of Seal Set @ 2660m MDKB				R12
CCL to Top of Seal = 7 m				R13
CCL stop Depth = 2653m MDKB				R14
1m of Cement dumped in 1 Run.				R15
Crew : J Annear , A Pratt , G Martin				R17
Other Services				
None				OS1

Frame Summary File: PERFO_046LUP Sequence: 9						
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	2650.69	2599.79 m	-60.0 (0.1 in) up	7	TDEP	60B
	8696.50	8529.50 ft				
BOREHOLE-DEPTH	2650.69	2599.82 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	8696.50	8529.58 ft				

		Verification Listing	Listing Completed: 3-NOV-2009 2:23:32
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