

Input Source: D:\OP_Folder\Clients\Eso2008_OP16\BMA_A20A\GUN\COMP_BMA_A20A_COMP_058.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_018LUP** Sequence: **1**

Defining Origin: 29

File ID: PERFO_018LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 16C0-147

File Set: 41

File Number: 16

20-OCT-2008 17:37:06

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_018LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_018LUP** Sequence: **1**

Origin: 29

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20A	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	AUSL08602238	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	20-Oct-2008	DATE
Run Number	2 thru 5	RUN
Total Depth - Driller	2227.0 (m)	TDD
Total Depth - Logger	2227.0 (m)	TDL
Bottom Log Interval	2227.0 (m)	BLI
Top Log Interval	2180.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	0.0 (m)	BSDF
Bit Size Depth To	0.0 (m)	BSDT
Date Logger At Bottom	20-Oct-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright & S Gilbert.	ENGI
Witness's Name	B White & JD.	WITN
Service Order Number	AUSL08602238	SON

Mud Data

Mud Data		Production Fluids		DFT
Drilling Fluid Type		Maximum Recorded Temperature	206.0 (degF)	MRT
			206.0 (degF)	MRT1
Date Logger At Bottom	20-Oct-2008	Time Logger At Bottom	17:00	DLAB, TLAB
Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS				
PVT Data				
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR				
Cement Data				
Cement Job Type	Primary			CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA				
Remarks				
Log correlated to ExxonMobil composite supplied with logging program				R1
Maximum well deviation 57 degrees at 869.3m MDKB.				R2
Objectives: Perforate the well over the interval 3200.4m to 3205.3m MDKB using a 4.9m 2 1/8" Phased Powerjet gun .				R3
Set a 4.5" Posiset Plug with top of Seal @ 3213.5m MDKB and dump approx 1m of cement on top .				R4
Slick Line HUD: 3218m MDKB (with 2.25" Drift)				R5
Gun # 1				R6
Top Shot @ 3200.4m MDKB Before Gun-- SBHP: --psia SBHT:---de				R7
CCL to Top Shot = 2.9m After Gun-- SBHP: --psia SBHT:---de				R8
CCL Stop Depth = 3197.5 m MDKB				R9
the Temperature sensor on the MWPT died after the gun was fired.				R10
4.5" Posiset Plug .				R11
Top of Seal @ 3213.5m MDKB				R12
CCL top Top of Seal = 6.65 m				R13
CCL Stop Depth = 3206.85m MDKB				R14
Schlumberger Crew : J Light , G Martin,C Shiells,N Simmons.				R17
Other Services				
None				OS1

Frame Summary		File: PERFO_018LUP	Sequence: 1			
Origin: 29						
<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	2215.29	2170.63 m	-60.0 (0.1 in) up	22	TDEP	60B
	7268.00	7121.50 ft				
BOREHOLE-DEPTH	2215.29	2170.66 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	7268.00	7121.58 ft				

File Header		File: PERFO_019LUP	Sequence: 2
Defining Origin: 29			
File ID: PERFO_019LUP File Type: DEPTH LOG			
Producer Name: Schlumberger		Product/Version: OP 16C0-147	File Set: 41
		File Number: 17	20-OCT-2008 17:45:48
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_019LUP	Sequence: 2
No errors detected in file.			

Well Site Data		File: PERFO_019LUP	Sequence: 2
Origin: 29			

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20A	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	AUSL08602238	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	20-Oct-2008	DATE
Run Number	2 thru 5	RUN
Total Depth - Driller	2227.0 (m)	TDD
Total Depth - Logger	2227.0 (m)	TDL
Bottom Log Interval	2227.0 (m)	BLI
Top Log Interval	2180.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	0.0 (m)	BSDF
Bit Size Depth To	0.0 (m)	BSDT
Date Logger At Bottom	20-Oct-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright & S Gilbert.	ENGI
Witness's Name	B White & JD.	WITN
Service Order Number	AUSL08602238	SON
Time Logger At Bottom 17:00		
Logging Unit Location Prod4 / Ausl		

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	206.0 (degF)	MRT
	206.0 (degF)	MRT1
Date Logger At Bottom	20-Oct-2008	DLAB, TLAB
Time Logger At Bottom 17:00		

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

PVT Data

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

Cement Data

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

Remarks

Log correlated to ExxonMobil composite supplied with logging program	R1
Maximum well deviation 57 degrees at 869.3m MDKB.	R2
Objectives: Perforate the well over the interval 3200.4m to 3205.3m MDKB using a 4.9m 2 1/8" Phased Powerjet gun .	R3
Set a 4.5" Posiset Plug with top of Seal @ 3213.5m MDKB and dump approx 1m of cement on top .	R4
Slick Line HUD: 3218m MDKB (with 2.25" Drift)	R5
Gun # 1	R6
Top Shot @ 3200.4m MDKB Before Gun-- SBHP: --psia SBHT:---de	R7
CCL to Top Shot = 2.9m After Gun-- SBHP: --psia SBHT:---de	R8
CCL Stop Depth = 3197.5 m MDKB	R9
the Temperature sensor on the MWPT died after the gun was fired.	R10
4.5" Posiset Plug .	R11
Top of Seal @ 3213.5m MDKB	R12
CCL top Top of Seal = 6.65 m	R13
CCL Stop Depth = 3206.85m MDKB	R14
Schlumberger Crew : J Light , G Martin,C Shiells,N Simmons.	R17

Other Services

None	OS1
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Sequence: **2**

Origin: 29

<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	2220.47 7285.00	2172.31 m 7127.00 ft	-60.0 (0.1 in) up	22	TDEP	60B
BOREHOLE-DEPTH	2220.47 7285.00	2172.33 m 7127.08 ft	-10.0 (0.1 in) up	10	TDEP;1	10B

Sequence: 3

Defining Origin: 29

File ID: PERFO_020LTP File Type: STATION

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

File Set: 41

File Number: 18

20-OCT-2008 17:49:20

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

Sequence: 3

No errors detected in file.

Sequence: 3

Origin: 29

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20A	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	AUSL08602238	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	20–Oct–2008	DATE
Run Number	2 thru 5	RUN
Total Depth – Driller	2227.0 (m)	TDD
Total Depth – Logger	2227.0 (m)	TDL
Bottom Log Interval	2227.0 (m)	BLI
Top Log Interval	2180.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L–80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Bit Size Depth From	0.0 (m)			BSDF
Bit Size Depth To	0.0 (m)			BSDT
Date Logger At Bottom	20–Oct–2008	Time Logger At Bottom	17:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	G Wright & S Gilbert.			ENGI
Witness's Name	B White & JD.			WITN
Service Order Number	AUSL08602238			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	206.0 (degF)			MRT
	206.0 (degF)			MRT1
Date Logger At Bottom	20–Oct–2008	Time Logger At Bottom	17:00	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 57 degrees at 869.3m MDKB.				R2
Objectives: Perforate the well over the interval 3200.4m to 3205.3m MDKB using a 4.9m 2 1/8" Phased Powerjet gun .				R3
Set a 4.5" Posiset Plug with top of Seal @ 3213.5m MDKB and dump approx 1m of cement on top .				R4
Slick Line HUD: 3218m MDKB (with 2.25" Drift)				R5
Gun # 1				R6
Top Shot @ 3200.4m MDKB	Before Gun--	SBHP: --psia	SBHT:----de	R7
CCL to Top Shot = 2.9m	After Gun--	SBHP: --psia	SBHT:----de	R8
CCL Stop Depth = 3197.5 m MDKB				R9
the Temperature sensor on the MWPT died after the gun was fired.				R10
4.5" Posiset Plug .				R11
Top of Seal @ 3213.5m MDKB				R12
CCL top Top of Seal = 6.65 m				R13
CCL Stop Depth = 3206.85m MDKB				R14
Schlumberger Crew : J Light , G Martin,C Shiells,N Simmons.				R17
Other Services				
None				OS1

Frame Summary File: PERFO_020LTP Sequence: 3						
Origin: 29						
<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	1675.68	2358.68 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	1675.68	2358.68 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	1675.68	2358.93 s	500.0 (0.5 ms)	4	TIME;5	500T

File Header		File: PERFO_028PUP	Sequence: 4
Defining Origin: 114			
File ID: PERFO_028PUP File Type: PLAYBACK			
Producer Name: Schlumberger		Product/Version: OP 16C0-147	File Set: 41 File Number: 26 20-OCT-2008 20:25:43
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_028PUP Sequence: 4		
No errors detected in file.		

Well Site Data File: PERFO_028PUP Sequence: 4		
Origin: 114		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN

Well Name	A-20A		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	AUSL08602238		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	20-Oct-2008		DATE
Run Number	2 thru 5		RUN
Total Depth - Driller	2227.0 (m)		TDD
Total Depth - Logger	2227.0 (m)		TDL
Bottom Log Interval	2227.0 (m)		BLI
Top Log Interval	2180.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.2 (m)		CDF
Casing Depth To	2309.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	0.0 (m)		BSDF
Bit Size Depth To	0.0 (m)		BSDT
Date Logger At Bottom	20-Oct-2008	Time Logger At Bottom	17:00
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl
Engineer's Name	G Wright & S Gilbert.		ENGI
Witness's Name	B White & JD.		WITN
Service Order Number	AUSL08602238		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	206.0 (degF)		MRT
	206.0 (degF)		MRT1
Date Logger At Bottom	20-Oct-2008	Time Logger At Bottom	17:00
			DLAB, TLAB

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

PVT Data

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

Cement Data

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

Remarks

Log correlated to ExxonMobil composite supplied with logging program		R1
Maximum well deviation 57 degrees at 869.3m MDKB.		R2
Objectives: Perforate the well over the interval 2216.5m to 2218.5m MDKB using a 2m 2 1/8" Phased Powerjet gun .		R3
Set a 7" Posiset Plug with top of Seal @ 2221m MDKB and dump approx 1m of cement on top .		R4
Hud Tagged @ 2227m MDKB		R5
Gun # 1		R6
Top Shot @ 2216.5 m MDKB	Before Gun--- SBHP: 2617.6 psia SBHT: 203.3 degf	R7
CCL to Top Shot = 3.5 m	After Gun--- SBHP: 2616.2 psia SBHT: 203.8 degf	R8
CCL Stop Depth = 2213 m MDKB		R9
CCL to Bottom of Dummy Plug = 3.6m		R10
7" Posiset Plug .		R11
Top of Seal @ m MDKB		R12
CCL top Top of Seal = m		R13
CCL Stop Depth = m MDKB		R14
Schlumberger Crew : J Light , G Martin,C Shiells,N Simmons.		R17

Other Services

RST-C Survey		OS1
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Origin: 114

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2232.81	2122.02 m	-60.0 (0.1 in) up	22	TDEP	60B
	7325.50	6962.00 ft				
BOREHOLE-DEPTH	2232.81	2122.20 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	7325.50	6962.58 ft				

File Header File: CCL_044LUP Sequence: 5

Defining Origin: 89

File ID: CCL_044LUP	File Type: DEPTH LOG				
Producer Name: Schlumberger	Product/Version: OP 16C0-147	File Set: 41	File Number: 42	20-OCT-2008 23:12:03	
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A-20A				
Field Name:	Bream A				
Tool String:	MPEX-DA, MPSU-BA, CCL-I				
Computations:	WELLCAD				

Error Summary File: CCL_044LUP Sequence: 5

No errors detected in file.

Well Site Data File: CCL_044LUP Sequence: 5

Origin: 89

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20A	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	AUSL08602238	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	20-Oct-2008	DATE
Run Number	2 thru 5	RUN
Total Depth - Driller	2227.0 (m)	TDD
Total Depth - Logger	2227.0 (m)	TDL
Bottom Log Interval	2227.0 (m)	BLI
Top Log Interval	2180.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI

Bit Size	8.50 (in)				BS
Bit Size Depth From	0.0 (m)				BSDF
Bit Size Depth To	0.0 (m)				BSDT
Date Logger At Bottom	20–Oct–2008	Time Logger At Bottom	17:00		DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl		LUN, LUL
Engineer's Name	G Wright & S Gilbert.				ENGI
Witness's Name	B White & JD.				WITN
Service Order Number	AUSL08602238				SON
Mud Data					
Drilling Fluid Type	Production Fluids				DFT
Maximum Recorded Temperature	206.0 (degF)				MRT
	206.0 (degF)				MRT1
Date Logger At Bottom	20–Oct–2008	Time Logger At Bottom	17:00		DLAB, TLAB
Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS					
PVT Data					
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR					
Cement Data					
Cement Job Type	Primary				CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA					
Remarks					
Log correlated to ExxonMobil composite supplied with logging program					R1
Maximum well deviation 57 degrees at 869.3m MDKB.					R2
Objectives: Perforate the well over the interval 2216.5m to 2218.5m MDKB using a 2m 2 1/8" Phased Powerjet gun .					R3
Set a 7" Posiset Plug with top of Seal @ 2221m MDKB and dump approx 1m of cement on top .					R4
Hud Tagged @ 2227m MDKB					R5
Gun # 1					R6
Top Shot @ 2216.5 m MDKB	Before Gun-- SBHP: 2617.6 psia	SBHT: 203.3 degf			R7
CCL to Top Shot = 3.5 m	After Gun-- SBHP: 2616.2 psia	SBHT: 203.8 degf			R8
CCL Stop Depth = 2213 m MDKB					R9
CCL to Bottom of Dummy Plug = 3.6m					R10
7" Posiset Plug .					R11
Top of Seal @ 2223 m MDKB					R12
CCL top Top of Seal = 6.9 m					R13
CCL Stop Depth = 2216.1 m MDKB					R14
Schlumberger Crew : J Light , G Martin,C Shiells,N Simmons.					R17
Other Services					
RST–C Survey					OS1
Frame Summary File: CCL_044LUP Sequence: 5					
Origin: 89					
Index Type	Start	Stop	Spacing	Channels	Index Channel
BOREHOLE–DEPTH	2200.96	2171.24 m	–60.0 (0.1 in) up	7	TDEP
	7221.00	7123.50 ft			
BOREHOLE–DEPTH	2200.96	2171.27 m	–10.0 (0.1 in) up	7	TDEP;1
	7221.00	7123.58 ft			
File Header File: CCL_045LUP Sequence: 6					
Defining Origin: 89					
File ID: CCL_045LUP File Type: DEPTH LOG					
Producer Name: Schlumberger		Product/Version: OP 16C0–147		File Set: 41	File Number: 43 20–OCT–2008 23:26:27
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A–20A				
Field Name:	Bream A				
Tool String:	MPEX–DA, MPSU–BA, CCL–I				
Computations:	WELLCAD				
Error Summary File: CCL_045LUP Sequence: 6					
No errors detected in file					

Well Site DataFile: **CCL_045LUP**Sequence: **6****Origin: 89****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20A	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	AUSL08602238	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	20-Oct-2008	DATE
Run Number	2 thru 5	RUN
Total Depth - Driller	2227.0 (m)	TDD
Total Depth - Logger	2227.0 (m)	TDL
Bottom Log Interval	2227.0 (m)	BLI
Top Log Interval	2180.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	0.0 (m)	BSDF
Bit Size Depth To	0.0 (m)	BSDT
Date Logger At Bottom	20-Oct-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright & S Gilbert.	ENGI
Witness's Name	B White & JD.	WITN
Service Order Number	AUSL08602238	SON
	Time Logger At Bottom 17:00	
	Logging Unit Location Prod4 / Ausl	

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	206.0 (degF)	MRT
	206.0 (degF)	MRT1
Date Logger At Bottom	20-Oct-2008	DLAB, TLAB
	Time Logger At Bottom 17:00	

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT
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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 57 degrees at 869.3m MDKB.	R2
Objectives: Perforate the well over the interval 2216.5m to 2218.5m MDKB using a 2m 2 1/8" Phased Powerjet gun .	R3
Set a 7" Posiset Plug with top of Seal @ 2221m MDKB and dump approx 1m of cement on top .	R4
Hud Tagged @ 2227m MDKB	R5
Gun # 1	R6
Top Shot @ 2216.5 m MDKB Before Gun--- SBHP: 2617.6 psia SBHT: 203.3 degf	R7
CCL to Top Shot = 3.5 m After Gun--- SBHP: 2616.2 psia SBHT: 203.8 degf	R8
CCL Stop Depth = 2213 m MDKB	R9
CCL to Bottom of Dummy Plug = 3.6m	R10
7" Posiset Plug .	R11
Top of Seal @ 2223 m MDKB	R12

Top of Seal @ 2226.1 m MDKB	R12
CCL top Top of Seal = 6.9 m	R13
CCL Stop Depth = 2216.1 m MDKB	R14
Schlumberger Crew : J Light , G Martin,C Shiells,N Simmons.	R17
Other Services	
RST-C Survey	OS1

Frame Summary		File: CCL_045LUP	Sequence: 6			
Origin: 89						
<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	11797.89 m	-60.0 (0.1 in) up	7	TDEP	60B
	40000.00	38707.00 ft				
BOREHOLE-DEPTH	12192.00	11797.92 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00	38707.08 ft				

File Header	File: CCL_046LUP	Sequence: 7
Defining Origin: 89		
File ID: CCL_046LUP	File Type: DEPTH LOG	
Producer Name: Schlumberger	Product/Version: OP 16C0-147	File Set: 41
		File Number: 44
		20-OCT-2008 23:53:48
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A-20A	
Field Name:	Bream A	
Tool String:	MPEX-DA, MPSU-BA, CCL-I	
Computations:	WELLCAD	

Error Summary	File: CCL_046LUP	Sequence: 7
No errors detected in file.		

Well Site Data	File: CCL_046LUP	Sequence: 7
Origin: 89		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20A	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	AUSL08602238	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	20-Oct-2008	DATE
Run Number	2 thru 5	RUN
Total Depth - Driller	2227.0 (m)	TDD
Total Depth - Logger	2227.0 (m)	TDL
Bottom Log Interval	2227.0 (m)	BLI
Top Log Interval	2180.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	0.0 (m)	BSDF

Bit Size Depth To	0.0 (m)			BSDT
Date Logger At Bottom	20-Oct-2008	Time Logger At Bottom	17:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	G Wright & S Gilbert.			ENGI
Witness's Name	B White & JD.			WITN
Service Order Number	AUSL08602238			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	206.0 (degF)			MRT
	206.0 (degF)			MRT1
Date Logger At Bottom	20-Oct-2008	Time Logger At Bottom	17:00	DLAB, TLAB
Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS				
PVT Data				
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR				
Cement Data				
Cement Job Type	Primary			CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA				
Remarks				
Log correlated to ExxonMobil composite supplied with logging program				R1
Maximum well deviation 57 degrees at 869.3m MDKB.				R2
Objectives: Perforate the well over the interval 2216.5m to 2218.5m MDKB using a 2m 2 1/8" Phased Powerjet gun .				R3
Set a 7" Posiset Plug with top of Seal @ 2221m MDKB and dump approx 1m of cement on top .				R4
Hud Tagged @ 2227m MDKB				R5
Gun # 1				R6
Top Shot @ 2216.5 m MDKB Before Gun-- SBHP: 2617.6 psia SBHT: 203.3 degf				R7
CCL to Top Shot = 3.5 m After Gun-- SBHP: 2616.2 psia SBHT: 203.8 degf				R8
CCL Stop Depth = 2213 m MDKB				R9
CCL to Bottom of Dummy Plug = 3.6m				R10
7" Posiset Plug .				R11
Top of Seal @ 2223 m MDKB				R12
CCL top Top of Seal = 6.9 m				R13
CCL Stop Depth = 2216.1 m MDKB				R14
Schlumberger Crew : J Light , G Martin,C Shiells,N Simmons.				R17
Other Services				
RST-C Survey				OS1

Frame Summary File: CCL_046LUP Sequence: 7						
Origin: 89						
<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	2216.05	2169.11 m	-60.0 (0.1 in) up	7	TDEP	60B
	7270.50	7116.50 ft				
BOREHOLE-DEPTH	2216.05	2169.13 m	-10.0 (0.1 in) up	7	TDEP,1	10B
	7270.50	7116.58 ft				

File Header	File: PERFO_053LUP	Sequence: 8
Defining Origin: 23		
File ID: PERFO_053LUP File Type: DEPTH LOG		
Producer Name: Schlumberger		Product/Version: OP 16C0-147
File Set: 41		File Number: 51
21-OCT-2008		2:13:13
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A-20A	
Field Name:	Bream A	
Tool String:	SHM_GUN, CCL-L	
Computations:	WELLCAD	

Error Summary	File: PERFO_053LUP	Sequence: 8
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Origin: 23

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-20A		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	AUSL08602238		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	20-Oct-2008		DATE
Run Number	2 thru 5		RUN
Total Depth - Driller	2227.0 (m)		TDD
Total Depth - Logger	2227.0 (m)		TDL
Bottom Log Interval	2227.0 (m)		BLI
Top Log Interval	2180.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.2 (m)		CDF
Casing Depth To	2309.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	0.0 (m)		BSDF
Bit Size Depth To	0.0 (m)		BSDT
Date Logger At Bottom	20-Oct-2008	Time Logger At Bottom 17:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod4 / Ausl	LUN, LUL
Engineer's Name	G Wright & S Gilbert.		ENGI
Witness's Name	B White & JD.		WITN
Service Order Number	AUSL08602238		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	206.0 (degF)		MRT
	206.0 (degF)		MRT1
Date Logger At Bottom	20-Oct-2008	Time Logger At Bottom 17:00	DLAB, TLAB

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

PVT Data

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

Cement Data

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

Remarks

Log correlated to ExxonMobil composite supplied with logging program		R1
Maximum well deviation 57 degrees at 869.3m MDKB.		R2
Objectives: Perforate the well over the interval 2216.5m to 2218.5m MDKB using a 2m 2 1/8" Phased Powerjet gun .		R3
Set a 7" Posiset Plug with top of Seal @ 2223m MDKB and dump approx 1m of cement on top .		R4
Hud Tagged @ 2227m MDKB		R5
Gun # 1		R6
Top Shot @ 2216.5 m MDKB Before Gun--- SBHP: 2617.6 psia SBHT: 203.3 degf		R7
CCL to Top Shot = 3.5 m After Gun--- SBHP: 2616.2 psia SBHT: 203.8 degf		R8
CCL Stop Depth = 2213 m MDKB		R9
CCL to Bottom of Dummy Plug = 3.6m		R10
7" Posiset Plug .		R11

Top of Seal @ 2223 m MDKB	R12
CCL top Top of Seal = 6.9 m	R13
CCL Stop Depth = 2216.1 m MDKB	R14
Schlumberger Crew : J Light , G Martin,C Shiells,N Simmons.	R17
Other Services	
RST–C Survey	OS1

Frame Summary	File: PERFO_053LUP	Sequence: 8
Origin: 23		
<div><div><div>Index Type</div><div>BOREHOLE–DEPTH</div></div><div><div>Start</div><div>2212.24</div><div>7258.00</div></div><div><div>Stop</div><div>2170.33 m</div><div>7120.50 ft</div></div><div><div>Spacing</div><div>–60.0 (0.1 in) up</div></div><div><div>Channels</div><div>7</div></div><div><div>Index Channel</div><div>TDEP</div></div><div><div>Frame Name</div><div>60B</div></div></div>		
<div><div><div>Index Type</div><div>BOREHOLE–DEPTH</div></div><div><div>Start</div><div>2212.24</div><div>7258.00</div></div><div><div>Stop</div><div>2170.35 m</div><div>7120.58 ft</div></div><div><div>Spacing</div><div>–10.0 (0.1 in) up</div></div><div><div>Channels</div><div>7</div></div><div><div>Index Channel</div><div>TDEP,1</div></div><div><div>Frame Name</div><div>10B</div></div></div>		

File Header	File: PERFO_056LUP	Sequence: 9
Defining Origin: 23		
File ID: PERFO_056LUP	File Type: DEPTH LOG	
Producer Name: Schlumberger	Product/Version: OP 16C0–147	File Set: 41
		File Number: 54
		21–OCT–2008 3:25:17
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A–20A	
Field Name:	Bream A	
Tool String:	SHM_GUN, CCL–L	
Computations:	WELLCAD	

Error Summary	File: PERFO_056LUP	Sequence: 9
No errors detected in file.		

Well Site Data	File: PERFO_056LUP	Sequence: 9
Origin: 23		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A–20A	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	AUSL08602238	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	20–Oct–2008	DATE
Run Number	2 thru 5	RUN
Total Depth – Driller	2227.0 (m)	TDD
Total Depth – Logger	2227.0 (m)	TDL
Bottom Log Interval	2227.0 (m)	BLI

Top Log Interval	2180.0 (m)			TLI
Current Casing Size	7.00 (in)			CSIZ
Casing Depth From	12.2 (m)			CDF
Casing Depth To	2309.0 (m)			CADT
Casing Grade	L-80			CASG
Casing Weight	26.0 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	0.0 (m)			BSDF
Bit Size Depth To	0.0 (m)			BSDT
Date Logger At Bottom	20-Oct-2008	Time Logger At Bottom	17:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	G Wright & S Gilbert.			ENGI
Witness's Name	B White & JD.			WITN
Service Order Number	AUSL08602238			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	206.0 (degF)			MRT
	206.0 (degF)			MRT1
Date Logger At Bottom	20-Oct-2008	Time Logger At Bottom	17:00	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 57 degrees at 869.3m MDKB.				R2
Objectives: Perforate the well over the interval 2216.5m to 2218.5m MDKB using a 2m 2 1/8" Phased Powerjet gun .				R3
Set a 7" Posiset Plug with top of Seal @ 2223m MDKB and dump approx 1m of cement on top .				R4
Hud Tagged @ 2227m MDKB				R5
Gun # 1				R6
Top Shot @ 2216.5 m MDKB	Before Gun---	SBHP: 2617.6 psia	SBHT: 203.3 degf	R7
CCL to Top Shot = 3.5 m	After Gun---	SBHP: 2616.2 psia	SBHT: 203.8 degf	R8
CCL Stop Depth = 2213 m MDKB				R9
CCL to Bottom of Dummy Plug = 3.6m				R10
7" Posiset Plug .				R11
Top of Seal @ 2223 m MDKB				R12
CCL top Top of Seal = 6.9 m				R13
CCL Stop Depth = 2216.1 m MDKB				R14
Schlumberger Crew : J Light , G Martin,C Shiells,N Simmons.				R17
Other Services				
RST-C Survey				OS1

Frame Summary File: PERFO_056LUP Sequence: 9						
Origin: 23						
<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	2170.02 m	-60.0 (0.1 in) up	7	TDEP	60B
	7259.50	7119.50 ft				
BOREHOLE-DEPTH	2212.70	2170.05 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	7259.50	7119.58 ft				

		Verification Listing	Listing Completed: 21-OCT-2008 3:38:02
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