

Input Source: D:\OP_Folder\Clients\Essso 2007\TNA_A12\GUN\COMP_TNA_A_12_COMP_054.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_045LUP** Sequence: **1**

Defining Origin: 13

File ID: PERFO_045LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 43

6-APR-2007 20:32:24

Company Name: Esso Australia Pty Ltd

Well Name: A-12

Field Name: Tuna

Tool String: SHM_GUN, CCL-L

Computations: WELLCAD

Error Summary File: **PERFO_045LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_045LUP** Sequence: **1**

Origin: 13

Well Data

Company Name	Esso Australia Pty Ltd	CN
Well Name	A-12	WN
Field Name	Tuna	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	AUSL07336265	SON
Longitude	148 2506.5"E	LONG
Latitude	038 1016.5"S	LATI
Maximum Hole Deviation	41.0 (deg)	MHD
Elevation of Kelly Bushing	31.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	31.4 (m)	EDF
Permanent Datum	MSL	PDAT, EPD
Log Measured From	DF	LMF, APD
Drilling Measured From	DF	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 31.4 (m)	

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

Job Data

Date as Month-Day-Year	6-Apr-2007	DATE
Run Number	3	RUN
Total Depth - Driller	2345.0 (m)	TDD
Total Depth - Logger	2345.0 (m)	TDL
Bottom Log Interval	2345.0 (m)	BLI
Top Log Interval	2200.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	1765.0 (m)	CDF
Casing Depth To	2515.0 (m)	CADT
Casing Grade	K-55	CASG
Casing Weight	23.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	6-Apr-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright , S Gilbert , M Pratt	ENGI
Witness's Name	G Rimmer, B White	WITN
Service Order Number	AUSL07336265	SON
	Time Logger At Bottom 11:00	
	Logging Unit Location Ausl / Prod 4	

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type

Maximum Recorded Temperature

Date Logger At Bottom

Production Fluids

210.0 (degF)

210.0 (degF)

6-Apr-2007

Time Logger At Bottom

11:00

DFT

MRT

MRT1

DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type

Primary

CJT

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

Remarks

Log Correlated to Solar composite log provided by client.

Objective: Perforate the interval 2333m to 2342m MDKB using a

2 1/8" 45 deg Phased Powerjet Gun.

Set a 7.0" Posiset Plug using MPBT, with top of seal surface at 2342m MDKB.

Dump approximately 1m of cement on top of seal.

Maximum deviation : 41 deg @ 1103m MDKB.

Gun 1

Top shot: 2333.0m MDKB

CCL to Top Shot: 3.5m

CCL stop depth: 2329.45m MDKB

Plug # 1

CCL to Top of

2

Crew : J Light , J Annear (Days)

P Lawrence , K Kerr (Nights)

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R12

R15

R16

R17

Other Services

None

OS1

Channels

File: PERFO_045LUP

Sequence: 1

Origin: 13

SHM_GUN: GUN

Spacing: -1.0 in

Number of Channels: 1

SCCL

CCL-L: Casing Collar Locator

Spacing: -1.0 in

Number of Channels: 1

CCL

System and Miscellaneous

Spacing: -6.0 in

Number of Channels: 7

BS

CS

CVEL

ETIM

TDEP

TENS

TIME

Spacing: -1.0 in

Number of Channels: 5

IDWD

SCD

SCDV

TDEP;1

TIME;1

Frame Summary						
File: PERFO_045LUP Sequence: 1						
Origin: 13						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2332.48	2273.81 m	-60.0 (0.1 in) up	7	TDEP	60B
	7652.50	7460.00 ft				
BOREHOLE-DEPTH	2332.48	2273.68 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	7652.50	7459.58 ft				

File Header

File: PERFO_041LUP

Sequence: 2

Defining Origin: 13

File ID: PERFO_041LUP

File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 39

6-APR-2007 18:53:21

Company Name: Esso Australia Pty Ltd

Well Name: A-12

Field Name: Tuna

Tool String: SHM_GUN, CCL-L

Computations: WELL CAD

Computations: WELLLOG		
Error Summary	File: PERFO_041LUP	Sequence: 2
No errors detected in file.		

Well Site Data	File: PERFO_041LUP	Sequence: 2
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Origin: 13

Well Data

Company Name	Esso Australia Pty Ltd		CN
Well Name	A-12		WN
Field Name	Tuna		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	AUSL07336265		SON
Longitude	148 2506.5"E		LONG
Latitude	038 1016.5"S		LATI
Maximum Hole Deviation	41.0 (deg)		MHD
Elevation of Kelly Bushing	31.4 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	31.4 (m)		EDF
Permanent Datum	MSL	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	DF	Above Permanent Datum 31.4 (m)	LMF, APD
Drilling Measured From	DF		DMF

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

Job Data

Date as Month-Day-Year	6-Apr-2007		DATE
Run Number	3		RUN
Total Depth - Driller	3375.0 (m)		TDD
Total Depth - Logger	3375.0 (m)		TDL
Bottom Log Interval	3358.0 (m)		BLI
Top Log Interval	2200.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	1765.0 (m)		CDF
Casing Depth To	2515.0 (m)		CADT
Casing Grade	K-55		CASG
Casing Weight	23.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	6-Apr-2007	Time Logger At Bottom 11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Ausl / Prod 4	LUN, LUL
Engineer's Name	G Wright , S Gilbert , M Pratt		ENGI
Witness's Name	G Rimmer		WITN
Service Order Number	AUSL07336265		SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	98.9 (degC)		MRT
	98.9 (degC)		MRT1
Date Logger At Bottom	6-Apr-2007	Time Logger At Bottom 11:00	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 Solar composite log provided by client.		R1
Objective		R2
Is		R3
Cement on top .		R6
	Gun #2	R7
B		R8
Plug # 1		R11
DKB		R12

Crew : J Light , J Annear (Days) P Lawrence , K Kerr (Nights)	R16 R17
Other Services None	OS1

Channels	File: PERFO_041LUP	Sequence: 2
Origin: 13		
SHM_GUN: GUN		
Spacing: -1.0 in SCCL	Number of Channels: 1	
CCL-L: Casing Collar Locator		
Spacing: -1.0 in CCL	Number of Channels: 1	
System and Miscellaneous		
Spacing: -6.0 in	Number of Channels: 7	
BS CS CVEL ETIM TDEP TENS TIME		
Spacing: -1.0 in	Number of Channels: 5	
IDWD SCD SCDV TDEP;1 TIME;1		

Frame Summary		File: PERFO_041LUP	Sequence: 2			
Origin: 13						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2331.42	2292.86 m	-60.0 (0.1 in) up	7	TDEP	60B
	7649.00	7522.50 ft				
BOREHOLE-DEPTH	2331.42	2292.88 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	7649.00	7522.58 ft				

File Header	File: MPBT_031LUP	Sequence: 3
Defining Origin: 1		
File ID: MPBT_031LUP	File Type: DEPTH LOG	
Producer Name: Schlumberger	Product/Version: OP 14C0-302	File Set: 41
		File Number: 30
		6-APR-2007 16:25:12
Tool String: MPEX-BA, MPSU-CA, CCL-I		
Computations: WELLCAD		

Error Summary	File: MPBT_031LUP	Sequence: 3
No errors detected in file.		

Well Site Data		File: MPBT_031LUP	Sequence: 3
Origin: 1			
Well Data			
Permanent Datum	GROUND LEVEL		PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number	1		RUN
Current Casing Size	0.0 (in)		CSIZ
Casing Weight	0.0 (lbm/ft)		CWEI
Bit Size	8.00 (in)		BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			
Absent Valued Parameters: DFT, DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
PVT Data			

Cement Data		
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR		
Cement Job Type	Primary	CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA		

Channels

File: MPBT_034PUP

Sequence: 4

Origin: 1

MPSU-CA: MECHANICAL PLUGBACK SETTING UNIT

Spacing: -1.0 in

Number of Channels: 1

SCCL

CCL-L: Casing Collar Locator

Spacing: -1.0 in

Number of Channels: 1

CCL

System and Miscellaneous

Spacing: -6.0 in

Number of Channels: 7

BS

CS

CVEL

ETIM

TDEP

TENS

TIME

Spacing: -1.0 in

Number of Channels: 2

TDEP;1

TIME;1

Frame Summary		File: MPBT_034PUP	Sequence: 4			
Origin: 1						
<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	2334.77	2267.71 m	-60.0 (0.1 in) up	7	TDEP	60B
	7660.00	7440.00 ft				
BOREHOLE-DEPTH	2334.77	2267.74 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	7660.00	7440.08 ft				

File Header		File: PERFO_024LTP	Sequence: 5		
Defining Origin: 109					
File ID: PERFO_024LTP File Type: STATION					
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41	File Number: 23	6-APR-2007 14:18:54
Company Name:	Esso Australia Pty Ltd				
Well Name:	A-12				
Field Name:	Tuna				
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA				
Computations:	WELLCAD, BORDYN				

Error Summary		File: PERFO_024LTP	Sequence: 5
No errors detected in file.			

Well Site Data		File: PERFO_024LTP	Sequence: 5
Origin: 109			
Well Data			
Company Name	Esso Australia Pty Ltd	CN	
Well Name	A-12	WN	
Field Name	Tuna	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	AUSL07336265	SON	
Maximum Hole Deviation	41.0 (deg)	MHD	
Elevation of Kelly Bushing	31.4 (m)	EKB	
Elevation of Ground Level	-59.0 (m)	EGL	
Elevation of Seafloor	21.4 (m)	EFL	

Elevation of Derrick Floor	31.4 (m)	Elevation of Permanent Datum	0.0 (m)	EDF
Permanent Datum	M.S.L	Above Permanent Datum	31.4 (m)	PDAT, EPD
Log Measured From	D.F			LMF, APD
Drilling Measured From	D.F			DMF

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

Job Data

Date as Month–Day–Year	6–Apr–2007		DATE
Run Number	1 thru 5		RUN
Total Depth – Driller	2345.0 (m)		TDD
Total Depth – Logger	2200.0 (m)		TDL
Bottom Log Interval	2345.0 (m)		BLI
Top Log Interval	2200.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	1667.0 (m)		CDF
Casing Depth To	2515.9 (m)		CADT
Casing Grade	K–55		CASG
Casing Weight	23.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	6–Apr–2007	Time Logger At Bottom	10:45
Logging Unit Number	889	Logging Unit Location	Ausl / Prod 4
Engineer's Name	G Wright , S Gilbert , M Pratt.		ENGI
Witness's Name	G Rimmer, B White.		WITN
Service Order Number	AUSL07336265		SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	210.0 (degF)		MRT
	210.0 (degF)		MRT1
Date Logger At Bottom	6–Apr–2007	Time Logger At Bottom	10:45

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 Solar composite log provided by client.	R1
Gun #1	R7
Top shot @	R8
CCL to top shot : 0.00m	R9
CCL stop depth : 0000.0m MDKB	R10
Plug # 1	R11
Top of seal :	R12
CCL to top of seal :	R13
CCL Stop depth :	R14
Crew : J Light , C Shiells (Days)	R16
A Hall, K Kerr (Nights)	R17

Other Services

None	OS1
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Channels File: PERFO_024LTP Sequence: 5

Origin: 109

MWPT–CA: MEASUREMENT WHILE PERFORATING TOOL

Spacing: 500.0 ms Number of Channels: 10
CSGP_SL DPRE_SL DTEM_SL ESGP_SL PSGP_SL RCCL_SL SGPA_SL SGPT_SL SGP_SL TEMP_MWPT_SL
Spacing: 250.0 ms Number of Channels: 1
CCL_SL

MWGT–AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL

Spacing: 500.0 ms Number of Channels: 2
CP_SL PCB_SL

GR_SL		RGR_SL		System and Miscellaneous	
Spacing: 1000.0 ms		Number of Channels: 5			
ETIM_PL	TDEP;2	TIME;2	TOD7	TOJ	
Spacing: 500.0 ms		Number of Channels: 2			
TDEP;3	TIME;3				
Spacing: 250.0 ms		Number of Channels: 3			
ETIM;1	TDEP;4	TIME;4			

Frame Summary		File: PERFO_024LTP	Sequence: 5			
Origin: 109						
<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	1416.37	1903.37 s	2000.0 (0.5 ms)	5	TIME;2	2000T
TIME	1416.37	1903.87 s	1000.0 (0.5 ms)	14	TIME;3	1000T
TIME	1416.37	1903.87 s	500.0 (0.5 ms)	4	TIME;4	500T

File Header		File: PSP_013PUP	Sequence: 6		
Defining Origin: 115					
File ID: PSP_013PUP		File Type: PLAYBACK			
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41	File Number: 12	6-APR-2007 11:53:38
Tool String:		PSPT-A/B			
Computations:		WELLCAD			

Error Summary		File: PSP_013PUP	Sequence: 6
No errors detected in file.			

Well Site Data		File: PSP_013PUP	Sequence: 6
Origin: 115			
Well Data			
Permanent Datum		GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF			
Job Data			
Run Number		1	RUN
Current Casing Size		0.0 (in)	CSIZ
Casing Weight		0.0 (lbm/ft)	CWEI
Bit Size		8.00 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON			
Mud Data			
Absent Valued Parameters: DFT, DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB			
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			

Channels		File: PSP_013PUP	Sequence: 6
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Origin: 115													
PSPT-A/B: Production Services Logging Platform													
Spacing: -6.0 in				Number of Channels: 17									
BHPR	GR	GTEM	MTEP	MWFD	QGCP	QGKF	QGKTF	QGPF	QGTF	RGR	TOD7_DL	TOJ_DL	WPRE
WTEP	WTGR	WTPE											
Spacing: -1.0 in				Number of Channels: 2									
CCLC	CCLD												
System and Miscellaneous													
Spacing: -6.0 in				Number of Channels: 7									
BS	CS	CVEL	ETIM	TDEP	TENS	TIME							
Spacing: -1.0 in				Number of Channels: 5									
IDWD	SCD	SCDV	TDEP;1	TIME;1									

Frame Summary File: PSP_013PUP Sequence: 6													
Origin: 115													
<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	2348.33	2268.78 m	-60.0 (0.1 in) up	24	TDEP	60B							
	7704.50	7443.50 ft											
BOREHOLE-DEPTH	2348.33	2268.80 m	-10.0 (0.1 in) up	7	TDEP;1	10B							
	7704.50	7443.58 ft											

File Header										File: PERFO_023LUP										Sequence: 7														
Defining Origin: 109																																		
File ID: PERFO_023LUP										File Type: DEPTH LOG																								
Producer Name: Schlumberger										Product/Version: OP 14C0-302										File Set: 41					File Number: 22					6-APR-2007 14:16:29				
Company Name:					Esso Australia Pty Ltd																													
Well Name:					A-12																													
Field Name:					Tuna																													
Tool String:					MWP_GUN, MWPT-CA, MWGT-AA																													
Computations:					WELLCAD, BORDYN																													

Error Summary File: PERFO_023LUP Sequence: 7													
No errors detected in file.													

Well Site Data				File: PERFO_023LUP	Sequence: 7
Origin: 109					
Well Data					
Company Name	Esso Australia Pty Ltd				CN
Well Name	A-12				WN
Field Name	Tuna				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	AUSL07336265				SON
Maximum Hole Deviation	41.0 (deg)				MHD
Elevation of Kelly Bushing	31.4 (m)				EKB
Elevation of Ground Level	-59.0 (m)				EGL
Elevation of Derrick Floor	31.4 (m)				EDF
Permanent Datum	M.S.L		Elevation of Permanent Datum	0.0 (m)	PDAT, EPD
Log Measured From	D.F		Above Permanent Datum	31.4 (m)	LMF, APD
Drilling Measured From	D.F				DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, LONG, LATI					
Job Data					
Date as Month-Day-Year	6-Apr-2007				DATE
Run Number	1 thru 5				RUN
Total Depth - Driller	2345.0 (m)				TDD
Total Depth - Logger	2200.0 (m)				TDL
Bottom Log Interval	2345.0 (m)				BLI
Total Log Interval	2200.0 (m)				TLI

Top Log Interval	2200.0 (m)			TL
Current Casing Size	7.00 (in)			CSIZ
Casing Depth From	1667.0 (m)			CDF
Casing Depth To	2515.9 (m)			CADT
Casing Grade	K-55			CASG
Casing Weight	23.0 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Date Logger At Bottom	6-Apr-2007	Time Logger At Bottom	10:45	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Ausl / Prod 4	LUN, LUL
Engineer's Name	G Wright , S Gilbert , M Pratt.			ENGI
Witness's Name	G Rimmer, B White.			WITN
Service Order Number	AUSL07336265			SON
Absent Valued Parameters: BSDF, BSDT				
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	210.0 (degF)			MRT
	210.0 (degF)			MRT1
Date Logger At Bottom	6-Apr-2007	Time Logger At Bottom	10:45	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 Solar composite log provided by client.				R1
Gun #1				R7
Top shot @				R8
CCL to top shot : 0.00m				R9
CCL stop depth : 0000.0m MDKB				R10
Plug # 1				R11
Top of seal :				R12
CCL to top of seal :				R13
CCL Stop depth :				R14
Crew : J Light , C Shiells (Days)				R16
A Hall, K Kerr (Nights)				R17
Other Services				
None				OS1

Channels	File: PERFO_023LUP	Sequence: 7
Origin: 109		
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL		
Spacing: -6.0 in Number of Channels: 10		
CSGP	DPRE	DTM ESGP ETIM PSGP SGP SGPA SGPT TEMP_MWPT
Spacing: -1.0 in Number of Channels: 4		
CCL	CCL_COR	FCCL RCCL
MWGT-AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL		
Spacing: -6.0 in Number of Channels: 2		
GR	RGR	
System and Miscellaneous		
Spacing: -6.0 in Number of Channels: 10		
BHPR	BS	CS CVEL GTEM TDEP TENS TIME TOD7_DL TOJ_DL
Spacing: -1.0 in Number of Channels: 6		
IDWD	SCCL	SCD SCDV TDEP;1 TIME;1

Frame Summary	File: PERFO_023LUP	Sequence: 7				
Origin: 109						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name

BOREHOLE-DEPTH	2337.51 7669.00	2312.67 m 7587.50 ft	-60.0 (0.1 in) up	22	TDEP	60B
BOREHOLE-DEPTH	2337.51 7669.00	2312.70 m 7587.58 ft	-10.0 (0.1 in) up	10	TDEP;1	10B

File Header File: **MPBT_030LDP** Sequence: **8**

Defining Origin: 1
File ID: MPBT_030LDP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 29 6-APR-2007 16:17:52
Tool String: MPEX-BA, MPSU-CA, CCL-I
Computations: WELLCAD

Error Summary File: **MPBT_030LDP** Sequence: **8**

No errors detected in file.

Well Site Data File: **MPBT_030LDP** Sequence: **8**

Origin: 1
Well Data
Permanent Datum GROUND LEVEL PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF
Job Data
Run Number 1 RUN
Current Casing Size 0.0 (in) CSIZ
Casing Weight 0.0 (lbm/ft) CWEI
Bit Size 8.00 (in) BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON
Mud Data
Absent Valued Parameters: DFT, DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB
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

Channels File: **MPBT_030LDP** Sequence: **8**

Origin: 1
MPSU-CA: MECHANICAL PLUGBACK SETTING UNIT
Spacing: 1.0 in Number of Channels: 1
SCCL
CCL-L: Casing Collar Locator
Spacing: 1.0 in Number of Channels: 1
CCL
System and Miscellaneous
Spacing: 6.0 in Number of Channels: 7
BS CS CWEI ETIM TDEP TENS TIME

Spacing: 1.0 in	OVER	DEPTH	PERF	TIME
TDEP;1	TIME;1	Number of Channels: 2		

Frame Summary File: MPBT_030LDP Sequence: 8						
Origin: 1						
<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	2267.25	2334.77 m	60.0 (0.1 in) down	7	TDEP	60B
	7438.50	7660.00 ft				
BOREHOLE-DEPTH	2267.25	2334.74 m	10.0 (0.1 in) down	4	TDEP;1	10B
	7438.50	7659.92 ft				

File Header		File: PERFO_022LDP	Sequence: 9
Defining Origin: 109			
File ID: PERFO_022LDP File Type: DEPTH LOG			
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41
		File Number: 21	6-APR-2007 14:13:17
Company Name:	Esso Australia Pty Ltd		
Well Name:	A-12		
Field Name:	Tuna		
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA		
Computations:	WELLCAD, BORDYN		

Error Summary File: PERFO_022LDP Sequence: 9		
No errors detected in file.		

Well Site Data File: PERFO_022LDP Sequence: 9		
Origin: 109		
Well Data		
Company Name	Esso Australia Pty Ltd	CN
Well Name	A-12	WN
Field Name	Tuna	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	AUSL07336265	SON
Maximum Hole Deviation	41.0 (deg)	MHD
Elevation of Kelly Bushing	31.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	31.4 (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 31.4 (m)		
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, LONG, LATI		

Job Data		
Date as Month-Day-Year	6-Apr-2007	DATE
Run Number	1 thru 5	RUN
Total Depth - Driller	2345.0 (m)	TDD
Total Depth - Logger	2200.0 (m)	TDL
Bottom Log Interval	2345.0 (m)	BLI
Top Log Interval	2200.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	1667.0 (m)	CDF
Casing Depth To	2515.9 (m)	CADT
Casing Grade	K-55	CASG
Casing Weight	23.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	6-Apr-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright , S Gilbert , M Pratt.	ENGI
Witness's Name	G Rimmer, B White.	WITN
Service Order Number	AUSL07336265	SON
Time Logger At Bottom 10:45		
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	6-Apr-2007	Time Logger At Bottom 10:45
		DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPF, 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 Solar composite log provided by client.	R1
Gun #1	R7
Top shot @	R8
CCL to top shot : 0.00m	R9
CCL stop depth : 0000.0m MDKB	R10
Plug # 1	R11
Top of seal :	R12
CCL to top of seal :	R13
CCL Stop depth :	R14
Crew : J Light , C Shiells (Days)	R16
A Hall, K Kerr (Nights)	R17

Other Services

None	OS1
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Channels

File: PERFO_022LDP Sequence: 9

Origin: 109

MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL

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

MWGT-AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL

Spacing: 6.0 in	Number of Channels: 2
GR RGR	

System and Miscellaneous

Spacing: 6.0 in	Number of Channels: 10
BHPR BS CS CVEL GTEM TDEP TENS TIME TOD7_DL TOJ_DL	
Spacing: 1.0 in	Number of Channels: 3
SCCL TDEP;1 TIME;1	

Frame Summary

File: PERFO_022LDP Sequence: 9

Origin: 109

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2268.93	2337.51 m	60.0 (0.1 in) down	22	TDEP	60B
	7444.00	7669.00 ft				
BOREHOLE-DEPTH	2268.93	2337.49 m	10.0 (0.1 in) down	7	TDEP;1	10B
	7444.00	7668.92 ft				

File Header	File: Flip_PERFO_023LUP	Sequence: 10
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Defining Origin: 41				
File ID: Flip_PERFO_023LUP File Type: FLIP				
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 5496504	File Number: 1 16-APR-2007 15:37:37
Company Name: Esso Australia Pty Ltd				
Well Name: A-12				
Field Name: Tuna				
Origin: 109				
File ID: PERFO_022LDP File Type: DEPTH LOG				
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41	File Number: 21 6-APR-2007 14:13:17
Tool String: MWP_GUN, MWPT-CA, MWGT-AA				
Computations: WELLCAD, BORDYN				

Error Summary	File: Flip_PERFO_023LUP	Sequence: 10
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No errors detected in file.

Well Site Data	File: Flip_PERFO_023LUP	Sequence: 10
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Origin: 109				
Well Data				
Company Name		Esso Australia Pty Ltd		CN
Well Name		A-12		WN
Field Name		Tuna		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		AUSL07336265		SON
Maximum Hole Deviation		41.0 (deg)		MHD
Elevation of Kelly Bushing		31.4 (m)		EKB
Elevation of Ground Level		-59.0 (m)		EGL
Elevation of Derrick Floor		31.4 (m)		EDF
Permanent Datum		M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From		D.F	Above Permanent Datum 31.4 (m)	LMF, APD
Drilling Measured From		D.F		DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, LONG, LATI				

Job Data				
Date as Month-Day-Year		6-Apr-2007		DATE
Run Number		1 thru 5		RUN
Total Depth - Driller		2345.0 (m)		TDD
Total Depth - Logger		2200.0 (m)		TDL
Bottom Log Interval		2345.0 (m)		BLI
Top Log Interval		2200.0 (m)		TLI
Current Casing Size		7.00 (in)		CSIZ
Casing Depth From		1667.0 (m)		CDF
Casing Depth To		2515.9 (m)		CADT
Casing Grade		K-55		CASG
Casing Weight		23.0 (lbm/ft)		CWEI
Bit Size		8.50 (in)		BS
Date Logger At Bottom		6-Apr-2007	Time Logger At Bottom 10:45	DLAB, TLAB
Logging Unit Number		889	Logging Unit Location Ausl / Prod 4	LUN, LUL
Engineer's Name		G Wright , S Gilbert , M Pratt.		ENGI
Witness's Name		G Rimmer, B White.		WITN
Service Order Number		AUSL07336265		SON
Absent Valued Parameters: BSDF, BSDT				

Mud Data				
Drilling Fluid Type		Production Fluids		DFT
Maximum Recorded Temperature		210.0 (degF)		MRT
		210.0 (degF)		MRT1

Date Logger At Bottom

210.0 (deg)
6-Apr-2007

Time Logger At Bottom

10:45

MRT1
DLAB, TLAB

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

PVT Data

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

Cement Data

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

Cement Job Type

Primary

CJT

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

Remarks

Log Correlated to Solar composite log provided by client.

Gun #1

Top shot @

CCL to top shot : 0.00m

CCL stop depth : 0000.0m MDKB

Plug # 1

Top of seal :

CCL to top of seal :

CCL Stop depth :

Crew : J Light , C Shiells (Days)

A Hall, K Kerr (Nights)

R1

R7

R8

R9

R10

R11

R12

R13

R14

R16

R17

Other Services

None

OS1

Channels

File: Flip_PERFO_023LUP

Sequence: 10

Origin: 41

System and Miscellaneous

Spacing: -6.0 in

Number of Channels: 22

BHPR BS CS CSGP CVEL DPRE DTEM ESGP ETIM GR GTEM PSGP RGR SGP

SGPA SGPT TDEP TEMP_MWPT TENS TIME TOD7_DL TOJ_DL

Spacing: -1.0 in

Number of Channels: 7

CCL CCL_COR FCCL RCCL SCCL TDEP;1 TIME;1

Frame Summary

File: Flip_PERFO_023LUP

Sequence: 10

Origin: 41

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2337.51	2268.93 m	-60.0 (0.1 in) up	22	TDEP	60B
	7669.00	7444.00 ft				
BOREHOLE-DEPTH	2337.49	2268.93 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	7668.92	7444.00 ft				

File Header

File: PERFO_051PUP

Sequence: 11

Defining Origin: 35

File ID: PERFO_051PUP File Type: PLAYBACK

Producer Name: Schlumberger Product/Version: OP 14C0-302

File Set: 41 File Number: 1 16-APR-2007 15:40:11

Company Name: Esso Australia Pty Ltd

Well Name: A-12

Field Name: Tuna

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

Computations: WELLCAD, BORDYN

Error Summary

File: PERFO_051PUP

Sequence: 11

No errors detected in file.

Origin: 35

Well Data

Company Name	Esso Australia Pty Ltd	CN
Well Name	A-12	WN
Field Name	Tuna	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	AUSL07336265	SON
Maximum Hole Deviation	41.0 (deg)	MHD
Elevation of Kelly Bushing	31.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	31.4 (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	31.4 (m)

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

Job Data

Date as Month-Day-Year	6-Apr-2007	DATE
Run Number	1 thru 5	RUN
Total Depth – Driller	2345.0 (m)	TDD
Total Depth – Logger	2200.0 (m)	TDL
Bottom Log Interval	2345.0 (m)	BLI
Top Log Interval	2200.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	1667.0 (m)	CDF
Casing Depth To	2515.9 (m)	CADT
Casing Grade	K-55	CASG
Casing Weight	23.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	6-Apr-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright , S Gilbert , M Pratt.	ENGI
Witness's Name	G Rimmer, B White.	WITN
Service Order Number	AUSL07336265	SON
	Time Logger At Bottom	10:45
	Logging Unit Location	Ausl / Prod 4

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	210.0 (degF)	MRT
	210.0 (degF)	MRT1
Date Logger At Bottom	6-Apr-2007	DLAB, TLAB
	Time Logger At Bottom	10:45

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 Solar composite log provided by client.	R1
Gun #1	R7
Top shot @	R8
CCL to top shot : 0.00m	R9
CCL stop depth : 0000.0m MDKB	R10
Plug # 1	R11
Top of seal :	R12
CCL to top of seal :	R13
CCL Stop depth :	R14
Crew : J Light , C Shiells (Days)	R16
A Hall, K Kerr (Nights)	R17

Other Services

None	OS1
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Channels

File: PERFO_051PUP Sequence: 11

Origin: 35

MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL

Spacing: -6.0 in

Number of Channels: 10

CSGP DPRE DTEM ESGP ETIM PSGP SGP SGPA SGPT TEMP_MWPT

Spacing: -1.0 in

Number of Channels: 4

CCL CCL_COR FCCL RCCL

MWGT-AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL

Spacing: -6.0 in

Number of Channels: 2

GR RGR

System and Miscellaneous

Spacing: -6.0 in

Number of Channels: 10

BHPR BS CS CVEL GTEM TDEP TENS TIME TOD7_DL TOJ_DL

Spacing: -1.0 in

Number of Channels: 3

SCCL TDEP;1 TIME;1

Frame Summary

File: PERFO_051PUP Sequence: 11

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	2337.51	2269.39 m	-60.0 (0.1 in) up	22	TDEP	60B
	7669.00	7445.50 ft				
BOREHOLE-DEPTH	2337.51	2269.41 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	7669.00	7445.58 ft				