



Verification Listing

Listing Created: 7-MAY-2009 14:53:14
Version: 16C0-147

Input Source: D:\OP_Folder\Clients\Esso_2009\SNA_A17\GUN\COMP_RST_MWPT_MPBT_DB_102.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header

File: RST_PSP_033PUP Sequence: 1

Defining Origin: 24

File ID: RST_PSP_033PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 32 6-MAY-2009 18:32:35
Company Name: Esso Australia Pty Ltd.
Well Name: A17
Field Name: Snapper
Tool String: RST-C, PSPT-B
Computations: WELLCAD, BORDYN

Error Summary

File: RST_PSP_033PUP Sequence: 1

No errors detected in file.

Well Site Data

File: RST_PSP_033PUP Sequence: 1

Origin: 24

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A17	WN
Field Name	Snapper	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	AYCW-00001	SON
Longitude	148 101'26.72"E	LONG
Latitude	038 11'43.23"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	-55.0 (m)	EGL
Elevation of Derrick Floor	41.7 (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	6-May-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	2349.0 (m)	TDD
Total Depth - Logger	2186.0 (m)	TDL
Bottom Log Interval	2135.0 (m)	BLI
Top Log Interval	1930.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	15.5 (m)	CDF
Casing Depth To	2349.0 (m)	CADT
Casing Grade	K-55	CASG
Casing Weight	26.4 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	805.0 (m)	BSDF
Bit Size Depth To	2349.0 (m)	BSDT
Date Logger At Bottom	6-May-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby	ENGI
Witness's Name	D. Madden, M. Wilson	WITN
Service Order Number	AYCW-00001	SON

Mud Data

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

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

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

Log correlated to ExxonMobil composite supplied with logging program.

Maximum well deviation = 63deg @ 1072m MDKB.

Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and 2112.5m to 2118m MDKB using 2-1/8", 6spf, 45deg phased Powerjets with MWPT in two runs

Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1.1m of cement.

RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf

Gun# 1	GUN#2
Top Shot @ 2112.5m MDKB	Top Shot @ 2105.5m MDKB
CCL to Top Shot = ## m	CCL to Top Shot = ## m
CCL Stop Depth = #####m MDKB	CCL Stop Depth = #####m MDKB
7 5/8 Posiset Plug @ 2135m MDKB	
CCL to Top of Seal = m	
CCL Stop Depth = m MDKB	
Crew : Rick Murry , Andrew Mclellan (DAYS)	
Jake Annear , Chris Shiells (NIGHTS)	

None OS1

File: **RST_PSP_033PUP** Sequence: **1**

<u>Index</u>	<u>Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH		2180.08	2079.04 m	-60.0 (0.1 in) up	128	TDEP	60B
		7152.50	6821.00 ft				
BOREHOLE-DEPTH		2180.08	2079.22 m	-10.0 (0.1 in) up	7	TDEP;1	10B
		7152.50	6821.58 ft				

File: **RST_PSP_035PUP** Sequence: **2**

File ID: RST_PSP_035PUP		File Type: PLAYBACK			
Producer Name: Schlumberger		Product/Version: OP 16C0-147		File Set: 41	File Number: 34
6-MAY-2009 18:58:34					
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A17				
Field Name:	Snapper				
Tool String:	RST-C, PSPT-B				
Computations:	WELLCAD, BORDYN				

File: **RST_PSP_035PUP** Sequence: **2**

No errors detected in file.

File: **RST_PSP_035PUP** Sequence: **2**

Origin: 24

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A17	WN
Field Name	Snapper	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	AYCW-00001	SON
Longitude	148 101'26.72"E	LONG
Latitude	038 11'43.23"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	-55.0 (m)	EGL
Elevation of Derrick Floor	41.7 (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	41.7 (m)

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

Job Data

Date as Month-Day-Year	6-May-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	2349.0 (m)	TDD
Total Depth - Logger	2186.0 (m)	TDL
Bottom Log Interval	2135.0 (m)	BLI
Top Log Interval	1930.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	15.5 (m)	CDF
Casing Depth To	2349.0 (m)	CADT
Casing Grade	K-55	CASG
Casing Weight	26.4 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	805.0 (m)	BSDF
Bit Size Depth To	2349.0 (m)	BSDT
Date Logger At Bottom	6-May-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby	ENGI
Witness's Name	D. Madden, M. Wilson	WITN
Service Order Number	AYCW-00001	SON
	Time Logger At Bottom	14:59
	Logging Unit Location	Prod4 / Ausl

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	175.0 (degF)	MRT
	175.0 (degF)	MRT1
Date Logger At Bottom	6-May-2009	DLAB, TLAB
	Time Logger At Bottom	14:59

Absent Valued Parameters: DFD, DFW, 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 = 63deg @ 1072m MDKB.	R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and	R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and	R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs	R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1.1m of cement.	R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf	R7
Gun# 1 GUN#2	R8
Top Shot @ 2112.5m MDKB Top Shot @ 2105.5m MDKB	R9
CCL to Top Shot = ## m CCL to Top Shot = ## m	R10
CCL Stop Depth =#####m MDKB CCL Stop Depth = #####m MDKB	R11
7 5/8 Posiset Plug @ 2135m MDKB	R12
CCL to Top of Seal = m	R13
CCL Stop Depth = m MDKB	R14
Crew : Rick Murry , Andrew Mclellan (DAYS)	R16
Jake Annear , Chris Shiells (NIGHTS)	R17

Other Services

File Header		File: RST_PSP_029PUP	Sequence: 3
Defining Origin: 24			
File ID: RST_PSP_029PUP	File Type: PLAYBACK		
Producer Name: Schlumberger	Product/Version: OP 16C0-147	File Set: 41	File Number: 28
Company Name:	Esso Australia Pty Ltd.		6-MAY-2009 18:01:42
Well Name:	A17		
Field Name:	Snapper		
Tool String:	RST-C, PSPT-B		
Computations:	WELLCAD, BORDYN		

Well Site Data		File: RST_PSP_029PUP	Sequence: 3
Origin: 24			
Well Data			
Company Name	Esso Australia Pty Ltd.		CN
Well Name	A17		WN
Field Name	Snapper		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	AYCW-00001		SON
Longitude	148 101'26.72"E		LONG
Latitude	038 11'43.23"S		LATI
Maximum Hole Deviation	63.0 (deg)		MHD
Elevation of Kelly Bushing	41.7 (m)		EKB
Elevation of Ground Level	-55.0 (m)		EGL
Elevation of Derrick Floor	41.7 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 41.7 (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	6-May-2009		DATE
Run Number	1 through 7		RUN
Total Depth - Driller	2349.0 (m)		TDD
Total Depth - Logger	2186.0 (m)		TDL
Bottom Log Interval	2135.0 (m)		BLI
Top Log Interval	1930.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	15.5 (m)		CDF
Casing Depth To	2349.0 (m)		CADT
Casing Grade	K-55		CASG
Casing Weight	26.4 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS

Bit Size Depth From	805.0 (m)			BSDF
Bit Size Depth To	2349.0 (m)			BSDT
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby			ENGI
Witness's Name	D. Madden, M. Wilson			WITN
Service Order Number	AYCW-00001			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	175.0 (degF)			MRT
	175.0 (degF)			MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59	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 = 63deg @ 1072m MDKB.				R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and				R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and				R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs				R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1.1m of cement.				R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf				R7
Gun# 1 GUN#2				R8
Top Shot @ 2112.5m MDKB Top Shot @ 2105.5m MDKB				R9
CCL to Top Shot = ## m CCL to Top Shot = ## m				R10
CCL Stop Depth =#####m MDKB CCL Stop Depth = #####m MDKB				R11
7 5/8 Posiset Plug @ 2135m MDKB				R12
CCL to Top of Seal = m				R13
CCL Stop Depth = m MDKB				R14
Crew : Rick Murry , Andrew Mclellan (DAYS)				R16
Jake Annear , Chris Shiells (NIGHTS)				R17
Other Services				
None				OS1

Frame Summary File: RST_PSP_029PUP Sequence: 3						
Origin: 24						
<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	2180.39	1900.73 m	-60.0 (0.1 in) up	168	TDEP	60B
	7153.50	6236.00 ft				
BOREHOLE-DEPTH	2180.39	1900.91 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	7153.50	6236.58 ft				

File Header		File: RST_PSP_030PUP	Sequence: 4
Defining Origin: 24			
File ID: RST_PSP_030PUP		File Type: PLAYBACK	
Producer Name: Schlumberger		Product/Version: OP 16C0-147	File Set: 41
		File Number: 29	6-MAY-2009 18:03:14
Company Name:	Esso Australia Pty Ltd.		
Well Name:	A17		
Field Name:	Snapper		
Tool String:	RST-C, PSPT-B		
Computations:	WELLCAD, BORDYN		

Error Summary File: RST_PSP_030PUP Sequence: 4	
No errors detected in file.	

Well Site Data File: RST_PSP_030PUP Sequence: 4	
Origin: 24	
Well Data	

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A17		WN
Field Name	Snapper		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	AYCW-00001		SON
Longitude	148 101'26.72"E		LONG
Latitude	038 11'43.23"S		LATI
Maximum Hole Deviation	63.0 (deg)		MHD
Elevation of Kelly Bushing	41.7 (m)		EKB
Elevation of Ground Level	-55.0 (m)		EGL
Elevation of Derrick Floor	41.7 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)
Log Measured From	D.F	Above Permanent Datum	41.7 (m)
Drilling Measured From	D.F		LMF, APD
			DMF

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

Job Data

Date as Month-Day-Year	6-May-2009		DATE
Run Number	1 through 7		RUN
Total Depth – Driller	2349.0 (m)		TDD
Total Depth – Logger	2186.0 (m)		TDL
Bottom Log Interval	2135.0 (m)		BLI
Top Log Interval	1930.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	15.5 (m)		CDF
Casing Depth To	2349.0 (m)		CADT
Casing Grade	K-55		CASG
Casing Weight	26.4 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	805.0 (m)		BSDF
Bit Size Depth To	2349.0 (m)		BSDT
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl
Engineer's Name	B.Donahoe, S Gilbert. O Darby		DLAB, TLAB
Witness's Name	D. Madden, M. Wilson		LUN, LUL
Service Order Number	AYCW-00001		ENGI
			WITN
			SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	175.0 (degF)		MRT
	175.0 (degF)		MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59
			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 = 63deg @ 1072m MDKB.		R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and		R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and		R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs		R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1.1m of cement.		R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf		R7
Gun# 1 GUN#2		R8
Top Shot @ 2112.5m MDKB Top Shot @ 2105.5m MDKB		R9
CCL to Top Shot = ## m CCL to Top Shot = ## m		R10
CCL Stop Depth =#####m MDKB CCL Stop Depth = #####m MDKB		R11
7 5/8 Posiset Plug @ 2135m MDKB		R12
CCL to Top of Seal = m		R13
CCL Stop Depth = m MDKB		R14
Crew : Rick Murry , Andrew Mclellan (DAYS)		R16
Jake Annear , Chris Shiells (NIGHTS)		R17

Other Services

None		OS1
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Sequence: 4

<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	2185.11	1912.16 m	-60.0 (0.1 in) up	128	TDEP	60B
	7169.00	6273.50 ft				
BOREHOLE-DEPTH	2185.11	1912.34 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	7169.00	6274.08 ft				

Sequence: 5

File ID: PERFO_042LUP		File Type: DEPTH LOG			
Producer Name: Schlumberger		Product/Version: OP 16C0-147		File Set: 41	File Number: 41
		6-MAY-2009 22:56:14			
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A17				
Field Name:	Snapper				
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA				
Computations:	WELLCAD, BORDYN				

Sequence: 5

No errors detected in file.

Sequence: 5

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A17	WN
Field Name	Snapper	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	AYCW-00001	SON
Longitude	148 101'26.72"E	LONG
Latitude	038 11'43.23"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	-55.0 (m)	EGL
Elevation of Derrick Floor	41.7 (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	6–May–2009	DATE
Run Number	1 through 7	RUN
Total Depth – Driller	2349.0 (m)	TDD
Total Depth – Logger	2186.0 (m)	TDL
Bottom Log Interval	2135.0 (m)	BLI
Top Log Interval	1930.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	15.5 (m)	CDF
Casing Depth To	2349.0 (m)	CADT
Casing Grade	K–55	CASG
Casing Weight	26.4 (lbm/ft)	CWEI

Bit Size

8.50 (in)

Bit Size Depth From

805.0 (m)

Bit Size Depth To

2349.0 (m)

Date Logger At Bottom

6–May–2009

Logging Unit Number

889

Engineer's Name

B.Donahoe, S Gilbert. O Darby

Witness's Name

D. Madden, M. Wilson

Service Order Number

AYCW–00001

BS

BSDF

BSDT

DLAB, TLAB

LUN, LUL

ENGI

WITN

SON

Mud Data

Drilling Fluid Type

Production Fluids

Maximum Recorded Temperature

175.0 (degF)

175.0 (degF)

Date Logger At Bottom

6–May–2009

Time Logger At Bottom

14:59

DFT

MRT

MRT1

DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type

Primary

CJT

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

Remarks

Log correlated to ExxonMobil composite supplied with logging program.

Maximum well deviation = 63deg @ 1072m MDKB.

Objectives: RST–C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and 2112.5m to 2118m MDKB using 2–1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs

Set a 7–5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1.1m of cement.

RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175deg

Gun# 1 GUN#2

Top Shot @ 2112.5m MDKB Top Shot @ 2105.5m MDKB

CCL to Top Shot = 3.45 m CCL to Top Shot = 3.45 m

CCL Stop Depth =2109.05m MDKB CCL Stop Depth = 2102.05m MDKB

7 5/8 Posiset Plug @ 2135m MDKB

CCL to Top of Seal = m

CCL Stop Depth = m MDKB

Crew : Rick Murry , Andrew Mclellan (DAYS)

Jake Annear , Chris Shiells (NIGHTS)

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R12

R13

R14

R16

R17

Other Services

None

OS1

Frame Summary

File: PERFO_042LUP

Sequence: 5

Origin: 108

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE–DEPTH	2126.28	2087.42 m	–60.0 (0.1 in) up	22	TDEP	60B
	6976.00	6848.50 ft				
BOREHOLE–DEPTH	2126.28	2087.45 m	–10.0 (0.1 in) up	10	TDEP;1	10B
	6976.00	6848.58 ft				

File Header

File: PERFO_043LUP

Sequence: 6

Defining Origin: 108

File ID: PERFO_043LUP

File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 16C0–147

File Set: 41

File Number: 42

6–MAY–2009 23:03:29

Company Name:

Esso Australia Pty Ltd.

Well Name:

A17

Field Name:

Snapper

Tool String:

MWP_GUN, MWPT–CA, MWGT–AA

Computations:

WELLCAD, BORDYN

Error Summary

File: PERFO_043LUP

Sequence: 6

Well Site DataFile: **PERFO_043LUP**Sequence: **6****Origin: 108****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A17	WN
Field Name	Snapper	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	AYCW-00001	SON
Longitude	148 101'26.72"E	LONG
Latitude	038 11'43.23"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	-55.0 (m)	EGL
Elevation of Derrick Floor	41.7 (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	41.7 (m)

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

Job Data

Date as Month-Day-Year	6-May-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	2349.0 (m)	TDD
Total Depth - Logger	2186.0 (m)	TDL
Bottom Log Interval	2135.0 (m)	BLI
Top Log Interval	1930.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	15.5 (m)	CDF
Casing Depth To	2349.0 (m)	CADT
Casing Grade	K-55	CASG
Casing Weight	26.4 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	805.0 (m)	BSDF
Bit Size Depth To	2349.0 (m)	BSDT
Date Logger At Bottom	6-May-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby	ENGI
Witness's Name	D. Madden, M. Wilson	WITN
Service Order Number	AYCW-00001	SON
	Time Logger At Bottom	14:59
	Logging Unit Location	Prod4 / Ausl

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	175.0 (degF)	MRT
	175.0 (degF)	MRT1
Date Logger At Bottom	6-May-2009	DLAB, TLAB
	Time Logger At Bottom	14:59

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 = 63deg @ 1072m MDKB.	R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and	R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and	R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs	R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1.1m of cement.	R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf	R7
Gun# 1	GUN#2
Top Shot @ 2112.5m MDKB	Top Shot @ 2105.5m MDKB
CCL to Top Shot = 3.45 m	CCL to Top Shot = 3.45 m
CCL Stop Depth =2109.05m MDKB	CCL Stop Depth = 2102.05m MDKB
7 5/8 Posiset Plug @ 2135m MDKB	
	R12

R12
R13
R14
R16
R17

None

OS1

Sequence: 6

<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	2128.88	2086.81 m	-60.0 (0.1 in) up	22	TDEP	60B
	6984.50	6846.50 ft				
BOREHOLE-DEPTH	2128.88	2086.84 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	6984.50	6846.58 ft				

Sequence: 7

File ID: PERFO_044LTP		File Type: STATION			
Producer Name: Schlumberger		Product/Version: OP 16C0-147		File Set: 41	File Number: 43
Company Name: Esso Australia Pty Ltd.					
Well Name: A17					
Field Name: Snapper					
Tool String: MWP_GUN, MWPT-CA, MWGT-AA					
Computations: WELLCAD, BORDYN					

Sequence: 7

No errors detected in file.

Sequence: 7

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A17	WN
Field Name	Snapper	FN
Rig:	Prod4 / Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NAT
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AYCW-00001	SON
Longitude	148 101'26.72"E	LONG
Latitude	038 11'43.23"S	LAT
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	-55.0 (m)	EGL
Elevation of Derrick Floor	41.7 (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

Date as Month-Day-Year	6-May-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	2349.0 (m)	TDD
Total Depth - Logger	2186.0 (m)	TDL
Bottom Log Interval	2135.0 (m)	BL
Top Log Interval	1930.0 (m)	TL
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	15.5 (m)	CDF
Casing Depth To	2349.0 (m)	CADT
Casing Grade	K-55	CASG
Casing Weight	26.4 (lbm/ft)	CWE
Bit Size	8.50 (in)	BS
Bit Size Depth From	225.0 (m)	BSDF

Bit Size Depth From	805.0 (m)			BSDP
Bit Size Depth To	2349.0 (m)			BSDT
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby			ENGI
Witness's Name	D. Madden, M. Wilson			WITN
Service Order Number	AYCW-00001			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	175.0 (degF)			MRT
	175.0 (degF)			MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59	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 = 63deg @ 1072m MDKB.				R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and				R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and				R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs				R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1.1m of cement.				R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf				R7
Gun# 1	GUN#2			R8
Top Shot @ 2112.5m MDKB	Top Shot @ 2105.5m MDKB			R9
CCL to Top Shot = 3.45 m	CCL to Top Shot = 3.45 m			R10
CCL Stop Depth =2109.05m MDKB	CCL Stop Depth = 2102.05m MDKB			R11
7 5/8 Posiset Plug @ 2135m MDKB				R12
CCL to Top of Seal = m				R13
CCL Stop Depth = m MDKB				R14
Crew : Rick Murry , Andrew Mclellan (DAYS)				R16
Jake Annear , Chris Shiells (NIGHTS)				R17
Other Services				
None				OS1

Frame Summary	File: PERFO_044LTP	Sequence: 7
Origin: 108		
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>
TIME	2113.78	2423.78 s
		<u>Spacing</u>
		2000.0 (0.5 ms)
		<u>Channels</u>
		7
		<u>Index Channel</u>
		TIME ;2
		<u>Frame Name</u>
		2000T
TIME	2113.78	2424.28 s
		1000.0 (0.5 ms)
		14
		TIME ;4
TIME	2113.78	2424.28 s
		500.0 (0.5 ms)
		4
		TIME ;5
		500T

File Header	File: PERFO_054LUP	Sequence: 8
Defining Origin: 35		
File ID: PERFO_054LUP	File Type: DEPTH LOG	
Producer Name: Schlumberger	Product/Version: OP 16C0-147	File Set: 41
		File Number: 53
		7-MAY-2009 1:44:05
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A17	
Field Name:	Snapper	
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA	
Computations:	WELLCAD, BORDYN	

Error Summary	File: PERFO_054LUP	Sequence: 8
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Well Site Data

File: PERFO_054LUP Sequence: 8

Origin: 35

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A17		WN
Field Name	Snapper		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	B297-00004		SON
Longitude	148 101'26.72"E		LONG
Latitude	038 11'43.23"S		LATI
Maximum Hole Deviation	63.0 (deg)		MHD
Elevation of Kelly Bushing	41.7 (m)		EKB
Elevation of Ground Level	-55.0 (m)		EGL
Elevation of Derrick Floor	41.7 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 41.7 (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	6-May-2009		DATE
Run Number	1 through 7		RUN
Total Depth – Driller	2349.0 (m)		TDD
Total Depth – Logger	2179.0 (m)		TDL
Bottom Log Interval	2135.0 (m)		BLI
Top Log Interval	1930.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	15.5 (m)		CDF
Casing Depth To	2349.0 (m)		CADT
Casing Grade	K-55		CASG
Casing Weight	26.4 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	805.0 (m)		BSDF
Bit Size Depth To	2349.0 (m)		BSDT
Date Logger At Bottom	6-May-2009	Time Logger At Bottom 14:59	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod4 / Ausl	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby		ENGI
Witness's Name	D. Madden, M. Wilson		WITN
Service Order Number	B297-00004		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	184.0 (degF)		MRT
	184.0 (degF)		MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom 14:59	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 = 63deg @ 1072m MDKB.		R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and		R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and		R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs		R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1m of cement.		R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf		R7
Gun# 1	GUN#2	R8
Top Shot @ 2112.5m MDKB	Top Shot @ 2105m MDKB	R9
CCL to Top Shot = 3.45 m	CCL to Top Shot = 3.45 m	R10
CCL Stop Depth =2109.05m MDKB	CCL Stop Depth = 2101.55m MDKB	R11

R12
R13
R14
R16
R17

None

OS1

Sequence: 8

<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	2127.20	2087.27 m	-60.0 (0.1 in) up	22	TDEP	60B
	6979.00	6848.00 ft				
BOREHOLE-DEPTH	2127.20	2087.30 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	6979.00	6848.08 ft				

Sequence: 9

File ID: PERFO_055LUP		File Type: DEPTH LOG			
Producer Name: Schlumberger		Product/Version: OP 16C0-147		File Set: 41	File Number: 54
7-MAY-2009 1:53:51					
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A17				
Field Name:	Snapper				
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA				
Computations:	WELLCAD, BORDYN				

Sequence: 9

No errors detected in file.

Sequence: 9

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A17	WN
Field Name	Snapper	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	B297-00004	SON
Longitude	148 101'26.72"E	LONG
Latitude	038 11'43.23"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	-55.0 (m)	EGL
Elevation of Derrick Floor	41.7 (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

Date as Month–Day–Year	6–May–2009	DATE
Run Number	1 through 7	RUN
Total Depth – Driller	2349.0 (m)	TDD
Total Depth – Logger	2179.0 (m)	TDL
Bottom Log Interval	2135.0 (m)	BLI

Top Log Interval	1930.0 (m)			TL
Current Casing Size	7.63 (in)			CSIZ
Casing Depth From	15.5 (m)			CDF
Casing Depth To	2349.0 (m)			CADT
Casing Grade	K-55			CASG
Casing Weight	26.4 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	805.0 (m)			BSDF
Bit Size Depth To	2349.0 (m)			BSDT
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby			ENGI
Witness's Name	D. Madden, M. Wilson			WITN
Service Order Number	B297-00004			SON

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	184.0 (degF)			MRT
	184.0 (degF)			MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59	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 = 63deg @ 1072m MDKB.	R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and	R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and	R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs	R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1m of cement.	R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf	R7
Gun# 1 GUN#2	R8
Top Shot @ 2112.5m MDKB Top Shot @ 2105m MDKB	R9
CCL to Top Shot = 3.45 m CCL to Top Shot = 3.45 m	R10
CCL Stop Depth =2109.05m MDKB CCL Stop Depth = 2101.55m MDKB	R11
7 5/8 Posiset Plug @ 2135m MDKB	R12
CCL to Top of Seal = m	R13
CCL Stop Depth = m MDKB	R14
Crew : Rick Murry , Andrew Mclellan (DAYS)	R16
Jake Annear , Chris Shiells (NIGHTS)	R17

Other Services

None	OS1
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Frame Summary	File: PERFO_055LUP	Sequence: 9
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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	2127.96	2081.63 m	-60.0 (0.1 in) up	22	TDEP	60B
	6981.50	6829.50 ft				
BOREHOLE-DEPTH	2127.96	2081.66 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	6981.50	6829.58 ft				

File Header	File: PERFO_056LTP	Sequence: 10
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Defining Origin: 35						
File ID: PERFO_056LTP	File Type: STATION					
Producer Name: Schlumberger	Product/Version: OP 16C0-147	File Set: 41	File Number: 55	7-MAY-2009	2:00:05	
Company Name:	Esso Australia Pty Ltd.					
Well Name:	A17					
Field Name:	Snapper					
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA					
Computations:	WELLCAD, BORDYN					

Error Summary	File: PERFO_056LTP	Sequence: 10
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No errors detected in file.

Well Site Data

File: PERFO_056LTP

Sequence: 10

Origin: 35

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A17		WN
Field Name	Snapper		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	B297-00004		SON
Longitude	148 101'26.72"E		LONG
Latitude	038 11'43.23"S		LATI
Maximum Hole Deviation	63.0 (deg)		MHD
Elevation of Kelly Bushing	41.7 (m)		EKB
Elevation of Ground Level	-55.0 (m)		EGL
Elevation of Derrick Floor	41.7 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)
Log Measured From	D.F	Above Permanent Datum	41.7 (m)
Drilling Measured From	D.F		LMF, APD
			DMF

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

Job Data

Date as Month-Day-Year	6-May-2009		DATE
Run Number	1 through 7		RUN
Total Depth - Driller	2349.0 (m)		TDD
Total Depth - Logger	2179.0 (m)		TDL
Bottom Log Interval	2135.0 (m)		BLI
Top Log Interval	1930.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	15.5 (m)		CDF
Casing Depth To	2349.0 (m)		CADT
Casing Grade	K-55		CASG
Casing Weight	26.4 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	805.0 (m)		BSDF
Bit Size Depth To	2349.0 (m)		BSDT
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl
Engineer's Name	B.Donahoe, S Gilbert. O Darby		DLAB, TLAB
Witness's Name	D. Madden, M. Wilson		LUN, LUL
Service Order Number	B297-00004		ENGI
			WITN
			SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	184.0 (degF)		MRT
	184.0 (degF)		MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59
			DLAB, TLAB

Absent Valued Parameters: DFD, DFL, DFL, DFLPH, 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 = 63deg @ 1072m MDKB.		R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and		R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and		R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs		R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1m of cement.		R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf		R7
Gun# 1	GUN#2	R8
Top Shot @ 2112.5m MDKB	Top Shot @ 2105m MDKB	R9
CCL to Top Shot = 3.45 m	CCL to Top Shot = 3.45 m	R10
CCL Stop Depth =2109.05m MDKB	CCL Stop Depth = 2101.55m MDKB	R11
7 5/8 Posiset Plug @ 2135m MDKB		R12

CCL to Top of Seal = m	R13
CCL Stop Depth = m MDKB	R14
Crew : Rick Murry , Andrew Mclellan (DAYS)	R16
Jake Annear , Chris Shiells (NIGHTS)	R17
Other Services	
None	OS1

Frame Summary		File: PERFO_056LTP	Sequence: 10			
Origin: 35						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
TIME	2419.17	2774.17 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	2419.17	2774.67 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	2419.17	2774.92 s	500.0 (0.5 ms)	4	TIME;5	500T

File Header	File: PERFO_062PUP	Sequence: 11
Defining Origin: 78		
File ID: PERFO_062PUP	File Type: PLAYBACK	
Producer Name: Schlumberger	Product/Version: OP 16C0-147	File Set: 41
		File Number: 61
		7-MAY-2009 3:55:12
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A17	
Field Name:	Snapper	
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA	
Computations:	WELLCAD, BORDYN	

Error Summary	File: PERFO_062PUP	Sequence: 11
No errors detected in file.		

Well Site Data	File: PERFO_062PUP	Sequence: 11
Origin: 78		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A17	WN
Field Name	Snapper	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	B297-00004	SON
Longitude	148 101'26.72"E	LONG
Latitude	038 11'43.23"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	-55.0 (m)	EGL
Elevation of Derrick Floor	41.7 (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	6-May-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	2349.0 (m)	TDD
Total Depth - Logger	2179.0 (m)	TDL

Bottom Log Interval	2135.0 (m)			BL
Top Log Interval	1930.0 (m)			TLI
Current Casing Size	7.63 (in)			CSIZ
Casing Depth From	15.5 (m)			CDF
Casing Depth To	2349.0 (m)			CADT
Casing Grade	K-55			CASG
Casing Weight	26.4 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	805.0 (m)			BSDF
Bit Size Depth To	2349.0 (m)			BSDT
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby			ENGI
Witness's Name	D. Madden, M. Wilson			WITN
Service Order Number	B297-00004			SON

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	184.0 (degF)			MRT
	184.0 (degF)			MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59	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 = 63deg @ 1072m MDKB.	R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and	R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and	R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs	R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1m of cement.	R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf	R7
Gun# 1 GUN#2	R8
Top Shot @ 2112.5m MDKB Top Shot @ 2105m MDKB	R9
CCL to Top Shot = 3.45 m CCL to Top Shot = 3.45 m	R10
CCL Stop Depth =2109.05m MDKB CCL Stop Depth = 2101.55m MDKB	R11
7 5/8 Posiset Plug @ 2135m MDKB	R12
CCL to Top of Seal = 7.15m	R13
CCL Stop Depth = 2127.85m MDKB	R14
CCL To Bottom of Bailer = 11m / CCL to Bottom of Dummy Plug = 3.6m	R15
Crew : Rick Murry , Andrew Mclellan (DAYS)	R16
Jake Annear , Chris Shiells (NIGHTS)	R17

Other Services

None	OS1
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Frame Summary File: PERFO_062PUP Sequence: 11

Origin: 78						
<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	2152.95	1938.68 m	-60.0 (0.1 in) up	22	TDEP	60B
	7063.50	6360.50 ft				
BOREHOLE-DEPTH	2152.95	1938.86 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	7063.50	6361.08 ft				

File Header File: CCL_072LDP Sequence: 12

Defining Origin: 28					
File ID: CCL_072LDP		File Type: DEPTH LOG			
Producer Name: Schlumberger		Product/Version: OP 16C0-147		File Set: 41	File Number: 71
7-MAY-2009 6:31:05					
Company Name:		Esso Australia Pty Ltd.			
Well Name:		A17			
Field Name:		Snapper			
Tool String:		MPEX-DA, MPSU-CA, CCL-PCCL			
Computations:		WELLCAD			

Error Summary	File: CCL_072LDP	Sequence: 12
No errors detected in file.		

Well Site Data	File: CCL_072LDP	Sequence: 12
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Origin: 28

Well Data			
Company Name	Esso Australia Pty Ltd.		CN
Well Name	A17		WN
Field Name	Snapper		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	B297-00004		SON
Longitude	148 101'26.72"E		LONG
Latitude	038 11'43.23"S		LATI
Maximum Hole Deviation	63.0 (deg)		MHD
Elevation of Kelly Bushing	41.7 (m)		EKB
Elevation of Ground Level	-55.0 (m)		EGL
Elevation of Derrick Floor	41.7 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m) PDAT, EPD
Log Measured From	D.F	Above Permanent Datum	41.7 (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	6-May-2009		DATE
Run Number	1 through 7		RUN
Total Depth – Driller	2349.0 (m)		TDD
Total Depth – Logger	2179.0 (m)		TDL
Bottom Log Interval	2135.0 (m)		BLI
Top Log Interval	1930.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	15.5 (m)		CDF
Casing Depth To	2349.0 (m)		CADT
Casing Grade	K-55		CASG
Casing Weight	26.4 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	805.0 (m)		BSDF
Bit Size Depth To	2349.0 (m)		BSDT
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59 DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby		ENGI
Witness's Name	D. Madden, M. Wilson		WITN
Service Order Number	B297-00004		SON

Mud Data			
Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	184.0 (degF)		MRT
	184.0 (degF)		MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59 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 = 63deg @ 1072m MDKB.	R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and	R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and	R4
2112.5m to 2118m MDKB using 2-1/8" 6spf. 45deg phased Powerjets with MWPT in two runs	R5

Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1m of cement.	R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf	R7
Gun# 1 GUN#2	R8
Top Shot @ 2112.5m MDKB Top Shot @ 2105m MDKB	R9
CCL to Top Shot = 3.45 m CCL to Top Shot = 3.45 m	R10
CCL Stop Depth =2109.05m MDKB CCL Stop Depth = 2101.55m MDKB	R11
7 5/8 Posiset Plug @ 2135m MDKB	R12
CCL to Top of Seal = 7.15m	R13
CCL Stop Depth = 2127.85m MDKB	R14
CCL To Bottom of Bailer = 11m / CCL to Bottom of Dummy Plug = 3.6m	R15
Crew : Rick Murry , Andrew Mclellan (DAYS)	R16
Jake Annear , Chris Shiells (NIGHTS)	R17
Other Services	
None	OS1
Frame Summary File: CCL_072LDP Sequence: 12	
Origin: 28	
Index Type	Start
BOREHOLE-DEPTH	1971.60
	6468.50
Stop	2090.01 m
	6857.00 ft
Spacing	60.0 (0.1 in) down
Channels	7
Index Channel	TDEP
Frame Name	60B
BOREHOLE-DEPTH	1971.60
	6468.50
Stop	2089.99 m
	6856.92 ft
Spacing	10.0 (0.1 in) down
Channels	4
Index Channel	TDEP;1
Frame Name	10B
File Header File: CCL_073LUP Sequence: 13	
Defining Origin: 28	
File ID: CCL_073LUP	File Type: DEPTH LOG
Producer Name: Schlumberger	Product/Version: OP 16C0-147
	File Set: 41
	File Number: 72
	7-MAY-2009 6:43:50
Company Name:	Esso Australia Pty Ltd.
Well Name:	A17
Field Name:	Snapper
Tool String:	MPEX-DA, MPSU-CA, CCL-PCCL
Computations:	WELLCAD
Error Summary File: CCL_073LUP Sequence: 13	
No errors detected in file.	
Well Site Data File: CCL_073LUP Sequence: 13	
Origin: 28	
Well Data	
Company Name	Esso Australia Pty Ltd.
Well Name	A17
Field Name	Snapper
Rig:	Prod4 / Crane
State:	Victoria
Nation	Australia
Field Location	Gippsland
	Basin
	Bass Strait
Service Order Number	B297-00004
Longitude	148 101'26.72"E
Latitude	038 11'43.23"S
Maximum Hole Deviation	63.0 (deg)
	CN
	WN
	FN
	CLAB, COUN
	SLAB, STAT
	NATI
	FL
	FL1
	FL2
	SON
	LONG
	LATI
	MHD

Elevation of Kelly Bushing	41.7 (m)			EKB
Elevation of Ground Level	−55.0 (m)			EGL
Elevation of Derrick Floor	41.7 (m)			EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum	41.7 (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	6–May–2009			DATE
Run Number	1 through 7			RUN
Total Depth – Driller	2349.0 (m)			TDD
Total Depth – Logger	2179.0 (m)			TDL
Bottom Log Interval	2135.0 (m)			BLI
Top Log Interval	1930.0 (m)			TLI
Current Casing Size	7.63 (in)			CSIZ
Casing Depth From	15.5 (m)			CDF
Casing Depth To	2349.0 (m)			CADT
Casing Grade	K–55			CASG
Casing Weight	26.4 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	805.0 (m)			BSDF
Bit Size Depth To	2349.0 (m)			BSDT
Date Logger At Bottom	6–May–2009	Time Logger At Bottom	14:59	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby			ENGI
Witness's Name	D. Madden, M. Wilson			WITN
Service Order Number	B297–00004			SON
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	184.0 (degF)			MRT
	184.0 (degF)			MRT1
Date Logger At Bottom	6–May–2009	Time Logger At Bottom	14:59	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 = 63deg @ 1072m MDKB.				R2
Objectives: RST–C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and				R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and				R4
2112.5m to 2118m MDKB using 2–1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs				R5
Set a 7–5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1m of cement.				R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf				R7
Gun# 1 GUN#2				R8
Top Shot @ 2112.5m MDKB Top Shot @ 2105m MDKB				R9
CCL to Top Shot = 3.45 m CCL to Top Shot = 3.45 m				R10
CCL Stop Depth =2109.05m MDKB CCL Stop Depth = 2101.55m MDKB				R11
7 5/8 Posiset Plug @ 2135m MDKB				R12
CCL to Top of Seal = 7.15m				R13
CCL Stop Depth = 2127.85m MDKB				R14
CCL To Bottom of Bailer = 11m / CCL to Bottom of Dummy Plug = 3.6m				R15
Crew : Rick Murry , Andrew Mclellan (DAYS)				R16
Jake Annear , Chris Shiells (NIGHTS)				R17
Other Services				
None				OS1

Frame Summary		File: CCL_073LUP		Sequence: 13		
Origin: 28						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE--DEPTH	2090.01	2030.73 m	-60.0 (0.1 in) up	7	TDEP	60B
	6857.00	6662.50 ft				
BOREHOLE--DEPTH	2090.01	2030.76 m	-10.0 (0.1 in) up	7	TDEP;1	10B

File HeaderFile: CCL_076LUPSequence: 14

Defining Origin: 28

File ID: CCL_076LUP	File Type: DEPTH LOG				
Producer Name: Schlumberger	Product/Version: OP 16C0-147	File Set: 41	File Number: 75	7-MAY-2009	7:04:51
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A17				
Field Name:	Snapper				
Tool String:	MPEX-DA, MPSU-CA, CCL-PCCL				
Computations:	WELLCAD				

Error SummaryFile: CCL_076LUPSequence: 14

No errors detected in file.

Well Site DataFile: CCL_076LUPSequence: 14

Origin: 28

Well Data

Company Name	Esso Australia Pty Ltd.			CN
Well Name	A17			WN
Field Name	Snapper			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	B297-00004			SON
Longitude	148 101'26.72"E			LONG
Latitude	038 11'43.23"S			LATI
Maximum Hole Deviation	63.0 (deg)			MHD
Elevation of Kelly Bushing	41.7 (m)			EKB
Elevation of Ground Level	-55.0 (m)			EGL
Elevation of Derrick Floor	41.7 (m)			EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum	41.7 (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	6-May-2009			DATE
Run Number	1 through 7			RUN
Total Depth - Driller	2349.0 (m)			TDD
Total Depth - Logger	2179.0 (m)			TDL
Bottom Log Interval	2135.0 (m)			BLI
Top Log Interval	1930.0 (m)			TLI
Current Casing Size	7.63 (in)			CSIZ
Casing Depth From	15.5 (m)			CDF
Casing Depth To	2349.0 (m)			CADT
Casing Grade	K-55			CASG
Casing Weight	26.4 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	805.0 (m)			BSDF
Bit Size Depth To	2349.0 (m)			BSDT
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby			ENGI
Witness's Name	D. Madden, M. Wilson			WITN
Service Order Number	B297-00004			SON

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	184.0 (degF)			MRT
	184.0 (degF)			MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59	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

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 = 63deg @ 1072m MDKB. R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1m of cement. R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf R7
Gun# 1 GUN#2 R8
Top Shot @ 2112.5m MDKB Top Shot @ 2105m MDKB R9
CCL to Top Shot = 3.45 m CCL to Top Shot = 3.45 m R10
CCL Stop Depth =2109.05m MDKB CCL Stop Depth = 2101.55m MDKB R11
7 5/8 Posiset Plug @ 2135m MDKB R12
CCL to Top of Seal = 7.15m R13
CCL Stop Depth = 2127.85m MDKB R14
CCL To Bottom of Bailer = 11m / CCL to Bottom of Dummy Plug = 3.6m R15
Crew : Rick Murry , Andrew Mclellan (DAYS) R16
Jake Annear , Chris Shiells (NIGHTS) R17

Other Services

None OS1

Frame Summary File: CCL_076LUP Sequence: 14

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	12192.00	11414.00 m	-60.0 (0.1 in) up	7	TDEP	60B
	40000.00	37447.50 ft				
BOREHOLE-DEPTH	12192.00	11414.02 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00	37447.58 ft				

File Header File: CCL_079LUP Sequence: 15

Defining Origin: 28

File ID: CCL_079LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 78 7-MAY-2009 8:00:00
Company Name: Esso Australia Pty Ltd.
Well Name: A17
Field Name: Snapper
Tool String: MPEX-DA, MPSU-CA, CCL-PCCL
Computations: WELLCAD

Error Summary File: CCL_079LUP Sequence: 15

No errors detected in file.

Well Site Data File: CCL_079LUP Sequence: 15

Origin: 28

Well Data

Company Name Esso Australia Pty Ltd. CN
Well Name A17 WN
Field Name Snapper FN
Rig: Prod4 / Crane CLAB, COUN
State: Victoria SLAB, STAT
Nation Australia NATI
Field Location Gippsland FL

	Basin		FL1
Service Order Number	Bass Strait		FL2
Longitude	B297-00004		SON
Latitude	148 101'26.72"E		LONG
Maximum Hole Deviation	038 11'43.23"S		LATI
Elevation of Kelly Bushing	63.0 (deg)		MHD
Elevation of Ground Level	41.7 (m)		EKB
Elevation of Derrick Floor	-55.0 (m)		EGL
Permanent Datum	41.7 (m)		EDF
Log Measured From	M.S.L	Elevation of Permanent Datum	0.0 (m)
Drilling Measured From	D.F	Above Permanent Datum	41.7 (m)
			PDAT, EPD
			LMF, APD
			DMF

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

Job Data

Date as Month-Day-Year	6-May-2009		DATE
Run Number	1 through 7		RUN
Total Depth - Driller	2349.0 (m)		TDD
Total Depth - Logger	2179.0 (m)		TDL
Bottom Log Interval	2135.0 (m)		BLI
Top Log Interval	1930.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	15.5 (m)		CDF
Casing Depth To	2349.0 (m)		CADT
Casing Grade	K-55		CASG
Casing Weight	26.4 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	805.0 (m)		BSDF
Bit Size Depth To	2349.0 (m)		BSDT
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59
Logging Unit Number	889	Logging Unit Location	Prod4 / Ausl
Engineer's Name	B.Donahoe, S Gilbert. O Darby		DLAB, TLAB
Witness's Name	D. Madden, M. Wilson		LUN, LUL
Service Order Number	B297-00004		ENGI
			WITN
			SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	184.0 (degF)		MRT
	184.0 (degF)		MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom	14:59
			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 = 63deg @ 1072m MDKB.		R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and		R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and		R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs		R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1m of cement.		R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf		R7
Gun# 1	GUN#2	R8
Top Shot @ 2112.5m MDKB	Top Shot @ 2105m MDKB	R9
CCL to Top Shot = 3.45 m	CCL to Top Shot = 3.45 m	R10
CCL Stop Depth =2109.05m MDKB	CCL Stop Depth = 2101.55m MDKB	R11
7 5/8 Posiset Plug @ 2135m MDKB		R12
CCL to Top of Seal = 7.15m		R13
CCL Stop Depth = 2127.85m MDKB		R14
CCL To Bottom of Bailer = 11m / CCL to Bottom of Dummy Plug = 3.6m		R15
Crew : Rick Murry , Andrew Mclellan (DAYS)		R16
Jake Annear , Chris Shiells (NIGHTS)		R17

Other Services

None		OS1
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Frame Summary File: CCL_079LUP Sequence: 15

Origin: 28							
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name	
BOREHOLE-DEPTH	2127.81	2059.53 m	-60.0 (0.1 in) up	7	TDEP	60B	

Mud Data _____

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	184.0 (degF)	MRT
	184.0 (degF)	MRT1
Date Logger At Bottom	6-May-2009	Time Logger At Bottom 14:59
		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
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 = 63deg @ 1072m MDKB.		R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and		R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and		R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs		R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1m of cement.		R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf		R7
Gun# 1	GUN#2	R8
Top Shot @ 2112.5m MDKB	Top Shot @ 2105m MDKB	R9
CCL to Top Shot = 3.45 m	CCL to Top Shot = 3.45 m	R10
CCL Stop Depth =2109.05m MDKB	CCL Stop Depth = 2101.55m MDKB	R11
7 5/8 Posiset Plug @ 2135m MDKB		R12
CCL to Top of Seal = 7.15m		R13
CCL Stop Depth = 2127.85m MDKB		R14
CCL To Bottom of Bailer = 11m / CCL to Bottom of Dummy Plug = 3.6m		R15
Crew : Rick Murry , Andrew Mclellan (DAYS)		R16
Jake Annear , Chris Shiells (NIGHTS)		R17
Other Services		
None		OS1

Frame Summary						
File: PERFO_085LUP		Sequence: 16				
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	2126.28	2051.76 m	-60.0 (0.1 in) up	7	TDEP	60B
	6976.00	6731.50 ft				
BOREHOLE-DEPTH	2126.28	2051.79 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	6976.00	6731.58 ft				

File Header		File: PERFO_091LUP	Sequence: 17
Defining Origin: 35			
File ID: PERFO_091LUP File Type: DEPTH LOG			
Producer Name: Schlumberger		Product/Version: OP 16C0-147	File Set: 41 File Number: 90 7-MAY-2009 11:44:02
Company Name:	Esso Australia Pty Ltd.		
Well Name:	A17		
Field Name:	Snapper		
Tool String:	SHM_GUN, CCL-PCCL		
Computations:	WELLCAD		

Error Summary		File: PERFO_091LUP	Sequence: 17
No errors detected in file.			

Origin: 35

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A17	WN
Field Name	Snapper	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	B297-00004	SON
Longitude	148 101'26.72"E	LONG
Latitude	038 11'43.23"S	LATI
Maximum Hole Deviation	63.0 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	-55.0 (m)	EGL
Elevation of Derrick Floor	41.7 (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	41.7 (m)

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

Job Data

Date as Month-Day-Year	6-May-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	2349.0 (m)	TDD
Total Depth - Logger	2179.0 (m)	TDL
Bottom Log Interval	2135.0 (m)	BLI
Top Log Interval	1930.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	15.5 (m)	CDF
Casing Depth To	2349.0 (m)	CADT
Casing Grade	K-55	CASG
Casing Weight	26.4 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	805.0 (m)	BSDF
Bit Size Depth To	2349.0 (m)	BSDT
Date Logger At Bottom	6-May-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	B.Donahoe, S Gilbert. O Darby	ENGI
Witness's Name	D. Madden, M. Wilson	WITN
Service Order Number	B297-00004	SON
	Time Logger At Bottom	14:59
	Logging Unit Location	Prod4 / Ausl

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	184.0 (degF)	MRT
	184.0 (degF)	MRT1
Date Logger At Bottom	6-May-2009	DLAB, TLAB
	Time Logger At Bottom	14:59

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 = 63deg @ 1072m MDKB.	R2
Objectives: RST-C Sigma log with one static pass over the interval HUD (2186m) to 1930m MDKB and	R3
one flowing pass over the interval HUD to 2100m MDKB at 900 ft/hr. Add perforations over the intervals 2105m to 2110.5m and	R4
2112.5m to 2118m MDKB using 2-1/8" , 6spf, 45deg phased Powerjets with MWPT in two runs	R5
Set a 7-5/8" MPBT for 26.4lb/ft casing at 2135m MDKB and top with 1m of cement.	R6
RST Survey: HUD: 2179 m MDKB SBHP: 3054 psia SBHT: 175degf	R7
Gun# 1 GUN#2	R8
Top Shot @ 2112.5m MDKB Top Shot @ 2105m MDKB	R9
CCL to Top Shot = 3.45 m CCL to Top Shot = 3.45 m	R10
CCL Stop Depth =2109.05m MDKB CCL Stop Depth = 2101.55m MDKB	R11
7 5/8 Posiset Plug @ 2135m MDKB	R12
CCL to Top of Seal = 7.15m	R13

CCL Stop Depth = 2127.85m MDKB
CCL To Bottom of Bailer = 11m / CCL to Bottom of Dummy Plug = 3.6m
Crew : Rick Murry , Andrew Mclellan (DAYS)
Jake Annear , Chris Shiells (NIGHTS)

R14
R15
R16
R17

Other Services

None OS1

Frame Summary File: PERFO_091LUP Sequence: 17

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	2126.44	2048.87 m	-60.0 (0.1 in) up	7	TDEP	60B
	6976.50	6722.00 ft				
BOREHOLE-DEPTH	2126.44	2048.89 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	6976.50	6722.08 ft				