

**Input Source:** D:\OP\_Folder\Clients\Esso\_2009\Marlin\_A14\GUN\COMP\_MLA\_A14\_COMP\_074.DLIS  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

**Max Record Length:** 8192  
**Storage Unit Sequence:** 1

**File Header** File: **PERFO\_033LUP** Sequence: **1**

**Defining Origin: 106**

File ID: PERFO\_033LUP File Type: DEPTH LOG  
 Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 32 4-FEB-2009 9:06:53  
 Company Name: Esso Australia Pty Ltd.  
 Well Name: A14  
 Field Name: Marlin  
 Tool String: MWP\_GUN, MWPT-CA, MWGT-AA  
 Computations: WELLCAD, BORDYN

**Error Summary** File: **PERFO\_033LUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **PERFO\_033LUP** Sequence: **1**

**Origin: 106**

**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A14	WN
Field Name	Marlin	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	AXWT-00098	SON
Longitude	148 13'09.18"E	LONG
Latitude	038 13'55.49"S	LATI
Maximum Hole Deviation	30.0 (deg)	MHD
Elevation of Kelly Bushing	27.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	27.4 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF

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

**Job Data**

Date as Month-Day-Year	4-Feb-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	1628.0 (m)	TDD
Bottom Log Interval	1563.0 (m)	BLI
Top Log Interval	1521.0 (m)	TLI
Current Casing Size	9.63 (in)	CSIZ
Casing Depth From	12.5 (m)	CDF
Casing Depth To	1740.0 (m)	CADT
Casing Grade	N-80	CASG
Casing Weight	40.0 (lbm/ft)	CWEI
Bit Size	12.3 (in)	BS
Bit Size Depth From	57.0 (m)	BSDF
Bit Size Depth To	1749.2 (m)	BSDT
Date Logger At Bottom	4-Feb-2009	DLAB
Logging Unit Number	889	LUN, LUL
Logging Unit Location	AUSL	
Engineer's Name	S.Gilbert	ENGI
Witness's Name	B White	WITN
Service Order Number	AXWT-00098	SON

Absent Valued Parameters: TDL, TLAB



**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A14	WN
Field Name	Marlin	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	AXWT-00098	SON
Longitude	148 13'09.18"E	LONG
Latitude	038 13'55.49"S	LATI
Maximum Hole Deviation	30.0 (deg)	MHD
Elevation of Kelly Bushing	27.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	27.4 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum 27.4 (m)	
	Above Permanent Datum -27.4 (m)	

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

**Job Data**

Date as Month-Day-Year	4-Feb-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	1628.0 (m)	TDD
Bottom Log Interval	1563.0 (m)	BLI
Top Log Interval	1521.0 (m)	TLI
Current Casing Size	9.63 (in)	CSIZ
Casing Depth From	12.5 (m)	CDF
Casing Depth To	1740.0 (m)	CADT
Casing Grade	N-80	CASG
Casing Weight	40.0 (lbm/ft)	CWEI
Bit Size	12.3 (in)	BS
Bit Size Depth From	57.0 (m)	BSDF
Bit Size Depth To	1749.2 (m)	BSDT
Date Logger At Bottom	4-Feb-2009	DLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S.Gilbert	ENGI
Witness's Name	B White	WITN
Service Order Number	AXWT-00098	SON
	Logging Unit Location AUSL	

Absent Valued Parameters: TDL, TLAB

**Mud Data**

Drilling Fluid Type	Production fluids	DFT
Maximum Recorded Temperature	190.0 (degF)	MRT
	190.0 (degF)	MRT1
Date Logger At Bottom	4-Feb-2009	DLAB

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

**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	R1
Objective: RIH with dummy toolstring to ensure access through minimum restrictions.	R2
Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT.	R3
Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs.	R4
Gun1: Before Gun SBHP- SBHT- After Gun SBHP- SBHT	R5
Gun2: Before Gun SBHP- SBHT- After Gun SBHP- SBHT-	R6
Gun 1: 1521m to 1526m MDKB Top Shot @ 1521m MDKB	R7
CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB	R8
Gun 2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB	R9
CCL to Top Shot = CCL Stop Depth =	R10
Posiset PlugTop of Seal @	R11
CCL to Top of Seal = CCL Stop Depth =	R12
Schlumberger Crew:	R16
J.Light, N.Simmons.	R17

**Other Services**

None	OS1
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**Frame Summary** File: **PERFO\_034LUP** Sequence: **2**

**Origin: 106**

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	1532.53	1497.18 m	-60.0 (0.1 in) up	22	TDEP	60B
	5028.00	4912.00 ft				
BOREHOLE-DEPTH	1532.53	1497.20 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	5028.00	4912.08 ft				

**File Header** File: **PERFO\_035LTP** Sequence: **3**

**Defining Origin: 106**

File ID: PERFO\_035LTP File Type: STATION  
 Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 34 4-FEB-2009 9:17:35  
 Company Name: Esso Australia Pty Ltd.  
 Well Name: A14  
 Field Name: Marlin  
 Tool String: MWP\_GUN, MWPT-CA, MWGT-A  
 Computations: WELLCAD, BORDYN

**Error Summary** File: **PERFO\_035LTP** Sequence: **3**

No errors detected in file.

**Well Site Data** File: **PERFO\_035LTP** Sequence: **3**

**Origin: 106**

**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A14	WN
Field Name	Marlin	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	AXWT-00098	SON
Longitude	148 13'09.18"E	LONG
Latitude	038 13'55.49"S	LATI
Maximum Hole Deviation	30.0 (deg)	MHD
Elevation of Kelly Bushing	27.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	27.4 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum 27.4 (m)	
	Above Permanent Datum -27.4 (m)	

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

**Job Data**

Date as Month-Day-Year	4-Feb-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	1628.0 (m)	TDD
Bottom Log Interval	1563.0 (m)	BLI
Top Log Interval	1521.0 (m)	TLI
Current Casing Size	9.63 (in)	CSIZ
Casing Depth From	12.5 (m)	CDF
Casing Depth To	1740.0 (m)	CADT
Casing Grade	N-80	CASG
Casing Weight	40.0 (lbm/ft)	CWEI
Bit Size	12.3 (in)	BS
Bit Size Depth From	57.0 (m)	BSDF

Bit Size Depth To	1749.2 (m)		BSDT
Date Logger At Bottom	4-Feb-2009		DLAB
Logging Unit Number	889	Logging Unit Location	AUSL
Engineer's Name	S.Gilbert		LUN, LUL
Witness's Name	B White		ENGI
Service Order Number	AXWT-00098		WITN
			SON

Absent Valued Parameters: TDL, TLAB

### Mud Data

Drilling Fluid Type	Production fluids	DFT
Maximum Recorded Temperature	190.0 (degF)	MRT
	190.0 (degF)	MRT1
Date Logger At Bottom	4-Feb-2009	DLAB

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

### 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	R1
Objective: RIH with dummy toolstring to ensure access through minimum restrictions.	R2
Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT.	R3
Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs.	R4
Gun1: Before Gun SBHP- SBHT- After Gun SBHP- SBHT	R5
Gun2: Before Gun SBHP- SBHT- After Gun SBHP- SBHT-	R6
Gun 1: 1521m to 1526m MDKB Top Shot @1521m MDKB	R7
CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB	R8
Gun 2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB	R9
CCL to Top Shot = CCL Stop Depth =	R10
Posiset PlugTop of Seal @	R11
CCL to Top of Seal = CCL Stop Depth =	R12
Schlumberger Crew:	R16
J.Light, N.Simmons.	R17

### Other Services

None	OS1
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## Frame Summary File: PERFO\_035LTP Sequence: 3

### Origin: 106

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	1365.95	1737.95 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	1365.95	1737.95 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	1365.95	1737.95 s	500.0 (0.5 ms)	4	TIME;5	500T

## File Header File: PERFO\_041LUP Sequence: 4

### Defining Origin: 43

File ID: PERFO\_041LUP File Type: DEPTH LOG  
 Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 40 4-FEB-2009 11:22:13

Company Name: Esso Australia Pty Ltd.  
 Well Name: A14  
 Field Name: Marlin  
 Tool String: MWP\_GUN, MWPT-CA, MWGT-AA  
 Computations: WELLCAD, BORDYN

## Error Summary File: PERFO\_041LUP Sequence: 4

No errors detected in file.

## Well Site Data File: PERFO\_041LUP Sequence: 4

### Origin: 43

#### Well Data

Company Name	Esso Australia Pty Ltd.	CN
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Well Name	A14		WN
Field Name	Marlin		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	AXWT-00098		SON
Longitude	148 13'09.18"E		LONG
Latitude	038 13'55.49"S		LATI
Maximum Hole Deviation	30.0 (deg)		MHD
Elevation of Kelly Bushing	27.4 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	27.4 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 27.4 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum -27.4 (m)	LMF, APD
Drilling Measured From	K.B		DMF

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

### Job Data

Date as Month-Day-Year	4-Feb-2009		DATE
Run Number	1 through 7		RUN
Total Depth - Driller	1628.0 (m)		TDD
Bottom Log Interval	1563.0 (m)		BLI
Top Log Interval	1521.0 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	12.5 (m)		CDF
Casing Depth To	1740.0 (m)		CADT
Casing Grade	N-80		CASG
Casing Weight	40.0 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	57.0 (m)		BSDF
Bit Size Depth To	1749.2 (m)		BSDT
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom 9:31	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	S.Gilbert		ENGI
Witness's Name	B White		WITN
Service Order Number	AXWT-00098		SON

Absent Valued Parameters: TDL

### Mud Data

Drilling Fluid Type	Production fluids		DFT
Maximum Recorded Temperature	190.0 (degF)		MRT
	190.0 (degF)		MRT1
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom 9:31	DLAB, TLAB

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

### PVT Data

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

### Cement Data

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

### Remarks

Log correlated to		R1
Objective: RIH with dummy toolstring to ensure access through minimum restrictions.		R2
Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT.		R3
Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs.		R4
Gun1: Before Gun SBHP- 1957.6 psia SBHT- 174.6 degf / After Gun SBHP- 1957.9 psia SBHT-179.4 deg		R5
Gun2: Before Gun SBHP- SBHT- After Gun SBHP- SBHT-		R6
Gun 1: 1521m to 1526m MDKB Top Shot @1521m MDKB		R7
CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB		R8
Gun 2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB		R9
CCL to Top Shot = 3.6m CCL Stop Depth = 1522.4m MDKB		R10
Posiset PlugTop of Seal @		R11
CCL to Top of Seal = CCL Stop Depth =		R12
Schlumberger Crew:		R16
J.Light, N.Simmons.		R17

### Other Services

None		OS1
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**Origin: 43**

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	1535.58 5038.00	1497.33 m 4912.50 ft	-60.0 (0.1 in) up	22	TDEP	60B
BOREHOLE-DEPTH	1535.58 5038.00	1497.36 m 4912.58 ft	-10.0 (0.1 in) up	10	TDEP;1	10B

**File Header**File: **PERFO\_043LTP** Sequence: **5****Defining Origin: 43**

File ID: PERFO\_043LTP File Type: STATION  
 Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 42 4-FEB-2009 11:32:56  
 Company Name: Esso Australia Pty Ltd.  
 Well Name: A14  
 Field Name: Marlin  
 Tool String: MWP\_GUN, MWPT-CA, MWGT-AA  
 Computations: WELLCAD, BORDYN

**Error Summary**File: **PERFO\_043LTP** Sequence: **5**

No errors detected in file.

**Well Site Data**File: **PERFO\_043LTP** Sequence: **5****Origin: 43****Well Data**

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A14		WN
Field Name	Marlin		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	AXWT-00098		SON
Longitude	148 13'09.18"E		LONG
Latitude	038 13'55.49"S		LATI
Maximum Hole Deviation	30.0 (deg)		MHD
Elevation of Kelly Bushing	27.4 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	27.4 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 27.4 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum -27.4 (m)	LMF, APD
Drilling Measured From	K.B		DMF

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

**Job Data**

Date as Month-Day-Year	4-Feb-2009		DATE
Run Number	1 through 7		RUN
Total Depth - Driller	1628.0 (m)		TDD
Bottom Log Interval	1563.0 (m)		BLI
Top Log Interval	1521.0 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	12.5 (m)		CDF
Casing Depth To	1740.0 (m)		CADT
Casing Grade	N-80		CASG
Casing Weight	40.0 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS

Bit Size Depth From 57.0 (m)  
 Bit Size Depth To 1749.2 (m)  
 Date Logger At Bottom 4-Feb-2009  
 Logging Unit Number 889  
 Engineer's Name S.Gilbert  
 Witness's Name B White  
 Service Order Number AXWT-00098

Time Logger At Bottom 9:31  
 Logging Unit Location AUSL

BPDF  
 BSDL  
 DLAB, TLAB  
 LUN, LUL  
 ENGI  
 WITN  
 SON

Absent Valued Parameters: TDL

### Mud Data

Drilling Fluid Type Production fluids DFT  
 Maximum Recorded Temperature 190.0 (degF) MRT  
 Date Logger At Bottom 4-Feb-2009 Time Logger At Bottom 9:31 MRT1  
 DLAB, TLAB

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

### PVT Data

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

### Cement Data

Cement Job Type Primary CJT

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

### Remarks

Log correlated to R1  
 Objective: RIH with dummy toolstring to ensure access through minimum restrictions. R2  
 Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT. R3  
 Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs. R4  
 Gun1: Before Gun SBHP- 1957.6 psia SBHT- 174.6 degf / After Gun SBHP- 1957.9 psia SBHT-179.4 deg R5  
 Gun2: Before Gun SBHP- SBHT- After Gun SBHP- SBHT- R6  
 Gun 1: 1521m to 1526m MDKB Top Shot @1521m MDKB R7  
 CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB R8  
 Gun 2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB R9  
 CCL to Top Shot = 3.6m CCL Stop Depth = 1522.4m MDKB R10  
 Posiset PlugTop of Seal @ R11  
 CCL to Top of Seal = CCL Stop Depth = R12  
 Schlumberger Crew: R16  
 J.Light, N.Simmons. R17

### Other Services

None OS1

## Frame Summary File: PERFO\_043LTP Sequence: 5

### Origin: 43

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	1245.38	1626.38 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	1245.38	1626.38 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	1245.38	1626.38 s	500.0 (0.5 ms)	4	TIME;5	500T

## File Header File: PERFO\_044LUP Sequence: 6

### Defining Origin: 113

File ID: PERFO\_044LUP File Type: DEPTH LOG  
 Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 43 4-FEB-2009 11:50:51  
 Company Name: Esso Australia Pty Ltd.  
 Well Name: A14  
 Field Name: Marlin  
 Tool String: MWP\_GUN, MWPT-CA, MWGT-AA  
 Computations: WELLCAD, BORDYN

## Error Summary File: PERFO\_044LUP Sequence: 6

No errors detected in file

**Well Site Data**File: **PERFO\_044LUP** Sequence: **6****Origin: 113****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A14	WN
Field Name	Marlin	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	AXWT-00098	SON
Longitude	148 13'09.18"E	LONG
Latitude	038 13'55.49"S	LATI
Maximum Hole Deviation	30.0 (deg)	MHD
Elevation of Kelly Bushing	27.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	27.4 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum 27.4 (m)	
	Above Permanent Datum -27.4 (m)	

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

**Job Data**

Date as Month-Day-Year	4-Feb-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	1628.0 (m)	TDD
Bottom Log Interval	1563.0 (m)	BLI
Top Log Interval	1521.0 (m)	TLI
Current Casing Size	9.63 (in)	CSIZ
Casing Depth From	12.5 (m)	CDF
Casing Depth To	1740.0 (m)	CADT
Casing Grade	N-80	CASG
Casing Weight	40.0 (lbm/ft)	CWEI
Bit Size	12.3 (in)	BS
Bit Size Depth From	57.0 (m)	BSDF
Bit Size Depth To	1749.2 (m)	BSDT
Date Logger At Bottom	4-Feb-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S.Gilbert	ENGI
Witness's Name	B White	WITN
Service Order Number	AXWT-00098	SON
	Time Logger At Bottom 9:31	
	Logging Unit Location AUSL	

Absent Valued Parameters: TDL

**Mud Data**

Drilling Fluid Type	Production fluids	DFT
Maximum Recorded Temperature	190.0 (degF)	MRT
	190.0 (degF)	MRT1
Date Logger At Bottom	4-Feb-2009	DLAB, TLAB
	Time Logger At Bottom 9:31	

Absent Valued Parameters: DFD, DFV, DFL, DFPB, 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	R1
Objective: RIH with dummy toolstring to ensure access through minimum restrictions.	R2
Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT.	R3
Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs.	R4
Gun1: Before Gun SBHP- 1957.6 psia SBHT- 174.6 degf / After Gun SBHP- 1957.9 psia SBHT-179.4 deg	R5
Gun2: Before Gun SBHP- SBHT- After Gun SBHP- SBHT-	R6
Gun 1: 1521m to 1526m MDKB Top Shot @1521m MDKB	R7
CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB	R8
Gun 2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB	R9
CCL to Top Shot = CCL Stop Depth =	R10
Posiset PlugTop of Seal @	R11

CCL to Top of Seal =  
Schlumberger Crew:  
J.Light, N.Simmons.  
**Other Services**  
None

CCL Stop Depth =

**Frame Summary** File: **PERFO\_044LUP** Sequence: **6**

**Origin: 113**

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	1531.16	1497.18 m	-60.0 (0.1 in) up	22	TDEP	60B
	5023.50	4912.00 ft				
BOREHOLE-DEPTH	1531.16	1497.20 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	5023.50	4912.08 ft				

**File Header** File: **PERFO\_052PUP** Sequence: **7**

**Defining Origin: 96**

File ID: PERFO\_052PUP File Type: PLAYBACK  
 Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 51 4-FEB-2009 15:04:04  
 Company Name: Esso Australia Pty Ltd.  
 Well Name: A14  
 Field Name: Marlin  
 Tool String: MWPT-CA, MWGT-AA  
 Computations: WELLCAD, BORDYN

**Error Summary** File: **PERFO\_052PUP** Sequence: **7**

No errors detected in file.

**Well Site Data** File: **PERFO\_052PUP** Sequence: **7**

**Origin: 96**

**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A14	WN
Field Name	Marlin	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	AXWT-00098	SON
Longitude	148 13'09.18"E	LONG
Latitude	038 13'55.49"S	LATI
Maximum Hole Deviation	30.0 (deg)	MHD
Elevation of Kelly Bushing	27.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	27.4 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum 27.4 (m)	
	Above Permanent Datum -27.4 (m)	

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

**Job Data**

Date as Month-Day-Year	4-Feb-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	1628.0 (m)	TDD
Bottom Log Interval	1563.0 (m)	BLI
Top Log Interval	1521.0 (m)	TLI
Current Casing Size	9.63 (in)	CSIZ
Casing Depth From	12.5 (m)	CDF
Casing Depth To	1740.0 (m)	CADT
Casing Grade	N-80	CASG
Casing Weight	40.0 (lbm/ft)	CWEI
Bit Size	12.3 (in)	BS
Bit Size Depth From	57.0 (m)	BSDF
Bit Size Depth To	1749.2 (m)	BSDT

Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom	9:31	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	AUSL	LUN, LUL
Engineer's Name	S.Gilbert			ENGI
Witness's Name	B White			WITN
Service Order Number	AXWT-00098			SON

Absent Valued Parameters: TDL

### Mud Data

Drilling Fluid Type	Production fluids		DFT
Maximum Recorded Temperature	184.0 (degF)		MRT
	184.0 (degF)		MRT1
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom	9:31
			DLAB, TLAB

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

### PVT Data

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

### Cement Data

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

### Remarks

Log correlated to	R1
Objective: RIH with dummy toolstring to ensure access through minimum restrictions.	R2
Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT.	R3
Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs.	R4
Gun1: Before Gun SBHP- 1957.6 psia SBHT- 174.6 degf / After Gun SBHP- 1957.9 psia SBHT-179.4 deg	R5
Gun 1: 1521m to 1526m MDKB Top Shot @1521m MDKB	R6
CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB	R7
Gun2: Before Gun SBHP- 1958.1psia SBHT- 176psia / After Gun SBHP- 1958.15 psia SBHT- 183.71 deg	R8
Gun 2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB	R9
CCL to Top Shot = 3.6m CCL Stop Depth = 1522.4m MDKB	R10
Dummy Plug tool zero to Bottom of Dummy Plug = 4.15m	R11
Posiset PlugTop of Seal @	R12
Schlumberger Crew:	R16
J.Light, N.Simmons.	R17

### Other Services

None	OS1
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## Frame Summary File: PERFO\_052PUP Sequence: 7

### Origin: 96

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	1599.13	1488.03 m	-60.0 (0.1 in) up	22	TDEP	60B
	5246.50	4882.00 ft				
BOREHOLE-DEPTH	1599.13	1488.21 m	-10.0 (0.1 in) up	10	TDEP,1	10B
	5246.50	4882.58 ft				

## File Header File: CCL\_058LUP Sequence: 8

### Defining Origin: 35

File ID: CCL\_058LUP File Type: DEPTH LOG  
 Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 57 4-FEB-2009 16:46:11

Company Name: Esso Australia Pty Ltd.  
 Well Name: A14  
 Field Name: Marlin  
 Tool String: MPEX-CA, MPSU-CA, CCL-PCC  
 Computations: WELLCAD

## Error Summary File: CCL\_058LUP Sequence: 8

**Well Site Data**File: **CCL\_058LUP** Sequence: **8****Origin: 35****Well Data**

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A14		WN
Field Name	Marlin		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	AXWT-00098		SON
Longitude	148 13'09.18"E		LONG
Latitude	038 13'55.49"S		LATI
Maximum Hole Deviation	30.0 (deg)		MHD
Elevation of Kelly Bushing	27.4 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	27.4 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 27.4 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum -27.4 (m)	LMF, APD
Drilling Measured From	K.B		DMF

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

**Job Data**

Date as Month-Day-Year	4-Feb-2009		DATE
Run Number	1 through 7		RUN
Total Depth - Driller	1628.0 (m)		TDD
Total Depth - Logger	1600.0 (m)		TDL
Bottom Log Interval	1563.0 (m)		BLI
Top Log Interval	1521.0 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	12.5 (m)		CDF
Casing Depth To	1740.0 (m)		CADT
Casing Grade	N-80		CASG
Casing Weight	40.0 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	57.0 (m)		BSDF
Bit Size Depth To	1749.2 (m)		BSDT
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom 9:31	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	S.Gilbert		ENGI
Witness's Name	B White		WITN
Service Order Number	AXWT-00098		SON

**Mud Data**

Drilling Fluid Type	Production fluids		DFT
Maximum Recorded Temperature	184.0 (degF)		MRT
	184.0 (degF)		MRT1
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom 9:31	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, TCY, TCDE, TCWL, TCA

**Remarks**

Log correlated to		R1
Objective: RIH with dummy toolstring to ensure access through minimum restrictions.		R2
Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT.		R3
Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs.		R4
Gun#1: Before Gun SBHP- 1957.6 psia SBHT- 174.6 degf / After Gun SBHP- 1957.9 psia SBHT-179.4 degf		R5
Gun#1: 1521m to 1526m MDKB Top Shot @1521m MDKB		R6
CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB		R7
Gun#2: Before Gun SBHP- 1958.1psia SBHT- 176psia / After Gun SBHP- 1958.15 psia SBHT- 183.71 degf		R8
Gun@2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB		R9
CCL to Top Shot = 3.6m CCL Stop Depth = 1522.4m MDKB		R10
Dummy Plug tool zero to Bottom of Dummy Plug = 4.15m		R11

HUD not tagged with dummy plug  
 Posiset PlugTop of Seal @ 1563m  
 CCL to Top of Seal = 6.95m CCL Stop Depth = 1556.05m MDKB  
 CCL to Bottom of Dump Bailers = 12m  
 Schlumberger Crew:  
 J.Light, N.Simmons.

R12  
 R13  
 R14  
 R15  
 R16  
 R17

**Other Services**

None OS1

**Frame Summary** File: **CCL\_058LUP** Sequence: **8**

**Origin: 35**

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	1559.51	1518.67 m	-60.0 (0.1 in) up	7	TDEP	60B
	5116.50	4982.50 ft				
BOREHOLE-DEPTH	1559.51	1518.69 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	5116.50	4982.58 ft				

**File Header** File: **CCL\_059LUP** Sequence: **9**

**Defining Origin: 35**

File ID: CCL\_059LUP File Type: DEPTH LOG  
 Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 58 4-FEB-2009 16:57:40  
 Company Name: Esso Australia Pty Ltd.  
 Well Name: A14  
 Field Name: Marlin  
 Tool String: MPEX-CA, MPSU-CA, CCL-PCC  
 Computations: WELLCAD

**Error Summary** File: **CCL\_059LUP** Sequence: **9**

No errors detected in file.

**Well Site Data** File: **CCL\_059LUP** Sequence: **9**

**Origin: 35**

**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A14	WN
Field Name	Marlin	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	AXWT-00098	SON
Longitude	148 13'09.18"E	LONG
Latitude	038 13'55.49"S	LATI
Maximum Hole Deviation	30.0 (deg)	MHD
Elevation of Kelly Bushing	27.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	27.4 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF

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

**Job Data**

Date as Month-Day-Year	4-Feb-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	1628.0 (m)	TDD
Total Depth - Logger	1600.0 (m)	TDL
Bottom Log Interval	1563.0 (m)	BLI

Top Log Interval	1521.0 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	12.5 (m)		CDF
Casing Depth To	1740.0 (m)		CADT
Casing Grade	N-80		CASG
Casing Weight	40.0 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	57.0 (m)		BSDF
Bit Size Depth To	1749.2 (m)		BSDT
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom	9:31
Logging Unit Number	889	Logging Unit Location	AUSL
Engineer's Name	S.Gilbert		DLAB, TLAB
Witness's Name	B White		LUN, LUL
Service Order Number	AXWT-00098		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	4-Feb-2009	Time Logger At Bottom	9:31
			DLAB, TLAB

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

### PVT Data

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

### Cement Data

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

### Remarks

Log correlated to	R1
Objective: RIH with dummy toolstring to ensure access through minimum restrictions.	R2
Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT.	R3
Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs.	R4
Gun#1: Before Gun SBHP- 1957.6 psia SBHT- 174.6 degf / After Gun SBHP- 1957.9 psia SBHT-179.4 degf	R5
Gun#1: 1521m to 1526m MDKB Top Shot @1521m MDKB	R6
CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB	R7
Gun#2: Before Gun SBHP- 1958.1psia SBHT- 176psia / After Gun SBHP- 1958.15 psia SBHT- 183.71 degf	R8
Gun@2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB	R9
CCL to Top Shot = 3.6m CCL Stop Depth = 1522.4m MDKB	R10
Dummy Plug tool zero to Bottom of Dummy Plug = 4.15m	R11
HUD not tagged with dummy plug	R12
Posiset PlugTop of Seal @ 1563m	R13
CCL to Top of Seal = 6.95m CCL Stop Depth = 1556.05m MDKB	R14
CCL to Bottom of Dump Bailers = 12m	R15
Schlumberger Crew:	R16
J.Light, N.Simmons.	R17

### Other Services

None	OS1
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## Frame Summary File: CCL\_059LUP Sequence: 9

### Origin: 35

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	12192.00	11004.04 m	-60.0 (0.1 in) up	7	TDEP	60B
	40000.00	36102.50 ft				
BOREHOLE-DEPTH	12192.00	11004.07 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00	36102.58 ft				

## File Header File: CCL\_060LUP Sequence: 10

### Defining Origin: 35

File ID: CCL\_060LUP File Type: DEPTH LOG  
 Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 59 4-FEB-2009 18:16:49

Company Name: Esso Australia Pty Ltd.  
 Well Name: A14  
 Field Name: Marlin  
 Tool String: MPEX-CA, MPSU-CA, CCL-PCC  
 Computations: WELLCAD

## Error Summary File: CCL\_060LUP Sequence: 10

**Well Site Data**File: **CCL\_060LUP** Sequence: **10****Origin: 35****Well Data**

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A14		WN
Field Name	Marlin		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	AXWT-00098		SON
Longitude	148 13'09.18"E		LONG
Latitude	038 13'55.49"S		LATI
Maximum Hole Deviation	30.0 (deg)		MHD
Elevation of Kelly Bushing	27.4 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	27.4 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 27.4 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum -27.4 (m)	LMF, APD
Drilling Measured From	K.B		DMF

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

**Job Data**

Date as Month-Day-Year	4-Feb-2009		DATE
Run Number	1 through 7		RUN
Total Depth - Driller	1628.0 (m)		TDD
Total Depth - Logger	1600.0 (m)		TDL
Bottom Log Interval	1563.0 (m)		BLI
Top Log Interval	1521.0 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	12.5 (m)		CDF
Casing Depth To	1740.0 (m)		CADT
Casing Grade	N-80		CASG
Casing Weight	40.0 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	57.0 (m)		BSDF
Bit Size Depth To	1749.2 (m)		BSDT
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom 9:31	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	S.Gilbert		ENGI
Witness's Name	B White		WITN
Service Order Number	AXWT-00098		SON

**Mud Data**

Drilling Fluid Type	Production fluids		DFT
Maximum Recorded Temperature	184.0 (degF)		MRT
	184.0 (degF)		MRT1
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom 9:31	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPB, 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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**Remarks**

Log correlated to R1  
Objective: RIH with dummy toolstring to ensure access through minimum restrictions. R2  
Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT. R3  
Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs. R4  
Gun#1: Before Gun SBHP- 1957.6 psia SBHT- 174.6 degf / After Gun SBHP- 1957.9 psia SBHT-179.4 degf R5  
Gun#1: 1521m to 1526m MDKB Top Shot @1521m MDKB R6  
CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB R7  
Gun#2: Before Gun SBHP- 1958.1psia SBHT- 176psia / After Gun SBHP- 1958.15 psia SBHT- 183.71 degf R8  
Gun#2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB R9  
CCL to Top Shot = 3.6m CCL Stop Depth = 1522.4m MDKB R10  
Dummy Plug tool zero to Bottom of Dummy Plug = 4.15m R11  
HUD not tagged with dummy plug R12  
Posiset PlugTop of Seal @ 1563m R13  
CCL to Top of Seal = 6.95m CCL Stop Depth = 1556.05m MDKB R14  
CCL to Bottom of Dump Bailers = 12m R15  
Schlumberger Crew: R16  
J.Light, N.Simmons. R17

**Other Services**

None OS1

**Frame Summary** File: **CCL\_060LUP** Sequence: **10****Origin: 35**

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	1556.00	1516.08 m	-60.0 (0.1 in) up	7	TDEP	60B
	5105.00	4974.00 ft				
BOREHOLE-DEPTH	1556.00	1515.95 m	-10.0 (0.1 in) up	7	TDEP,1	10B
	5105.00	4973.58 ft				

**File Header** File: **PERFO\_064LDP** Sequence: **11****Defining Origin: 67**

File ID: PERFO\_064LDP File Type: DEPTH LOG

Producer Name: Schlumberger Product/Version: OP 16C0-147 File Set: 41 File Number: 63 5-FEB-2009 8:20:20

Company Name: Esso Australia Pty Ltd.  
Well Name: A14  
Field Name: Marlin  
Tool String: SHM\_GUN, CCL-L  
Computations: WELLCAD

**Error Summary** File: **PERFO\_064LDP** Sequence: **11**

No errors detected in file.

**Well Site Data** File: **PERFO\_064LDP** Sequence: **11****Origin: 67****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A14	WN
Field Name	Marlin	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	AXWT-00098	SON
Longitude	148 13'09.18"E	LONG
Latitude	038 13'55.49"S	LATI
Maximum Hole Deviation	30.0 (deg)	MHD
Elevation of Kelly Bushing	27.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	27.4 (m)	EDF

Permanent Datum	M.S.L	Elevation of Permanent Datum	27.4 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum	-27.4 (m)	LMF, APD
Drilling Measured From	K.B			DMF

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

### Job Data

Date as Month-Day-Year	4-Feb-2009			DATE
Run Number	1 through 7			RUN
Total Depth - Driller	1628.0 (m)			TDD
Total Depth - Logger	1600.0 (m)			TDL
Bottom Log Interval	1563.0 (m)			BLI
Top Log Interval	1521.0 (m)			TLI
Current Casing Size	9.63 (in)			CSIZ
Casing Depth From	12.5 (m)			CDF
Casing Depth To	1740.0 (m)			CADT
Casing Grade	N-80			CASG
Casing Weight	40.0 (lbm/ft)			CWEI
Bit Size	12.3 (in)			BS
Bit Size Depth From	57.0 (m)			BSDF
Bit Size Depth To	1749.2 (m)			BSDT
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom	9:31	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	AUSL	LUN, LUL
Engineer's Name	S.Gilbert			ENGI
Witness's Name	B White			WITN
Service Order Number	AXWT-00098			SON

### Mud Data

Drilling Fluid Type	Production fluids			DFT
Maximum Recorded Temperature	184.0 (degF)			MRT
	184.0 (degF)			MRT1
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom	9:31	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	R1
Objective: RIH with dummy toolstring to ensure access through minimum restrictions.	R2
Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT.	R3
Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs.	R4
Gun#1: Before Gun SBHP- 1957.6 psia SBHT- 174.6 degf / After Gun SBHP- 1957.9 psia SBHT-179.4 degf	R5
Gun#1: 1521m to 1526m MDKB Top Shot @1521m MDKB	R6
CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB	R7
Gun#2: Before Gun SBHP- 1958.1psia SBHT- 176psia / After Gun SBHP- 1958.15 psia SBHT- 183.71 degf	R8
Gun@2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB	R9
CCL to Top Shot = 3.6m CCL Stop Depth = 1522.4m MDKB	R10
Dummy Plug tool zero to Bottom of Dummy Plug = 4.15m	R11
HUD not tagged with dummy plug	R12
Posiset PlugTop of Seal @ 1563m	R13
CCL to Top of Seal = 6.95m CCL Stop Depth = 1556.05m MDKB	R14
CCL to Bottom of Dump Bailers = 12m	R15
Schlumberger Crew:	R16
J.Light, N.Simmons.	R17

### Other Services

None	OS1
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## Frame Summary File: PERFO\_064LDP Sequence: 11

### Origin: 67

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	-9.30	1534.67 m	60.0 (0.1 in) down	7	TDEP	60B
	-30.50	5035.00 ft				
BOREHOLE-DEPTH	-9.30	1534.64 m	10.0 (0.1 in) down	4	TDEP;1	10B
	-30.50	5034.92 ft				

**File Header**File: **PERFO\_069LUP** Sequence: **12****Defining Origin: 67**

File ID: PERFO\_069LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 16C0-147

File Set: 41

File Number: 68

5-FEB-2009 10:15:04

Company Name: Esso Australia Pty Ltd.

Well Name: A14

Field Name: Marlin

Tool String: SHM\_GUN, CCL-L

Computations: WELLCAD

**Error Summary**File: **PERFO\_069LUP** Sequence: **12**

No errors detected in file.

**Well Site Data**File: **PERFO\_069LUP** Sequence: **12****Origin: 67****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A14	WN
Field Name	Marlin	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	AXWT-00098	SON
Longitude	148 13'09.18"E	LONG
Latitude	038 13'55.49"S	LATI
Maximum Hole Deviation	30.0 (deg)	MHD
Elevation of Kelly Bushing	27.4 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	27.4 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum	27.4 (m)
	Above Permanent Datum	-27.4 (m)

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

**Job Data**

Date as Month-Day-Year	4-Feb-2009	DATE
Run Number	1 through 7	RUN
Total Depth - Driller	1628.0 (m)	TDD
Total Depth - Logger	1600.0 (m)	TDL
Bottom Log Interval	1563.0 (m)	BLI
Top Log Interval	1521.0 (m)	TLI
Current Casing Size	9.63 (in)	CSIZ
Casing Depth From	12.5 (m)	CDF
Casing Depth To	1740.0 (m)	CADT
Casing Grade	N-80	CASG
Casing Weight	40.0 (lbm/ft)	CWEI
Bit Size	12.3 (in)	BS
Bit Size Depth From	57.0 (m)	BPDF
Bit Size Depth To	1749.2 (m)	BPDF
Date Logger At Bottom	4-Feb-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S.Gilbert	ENGI
Witness's Name	B White	WITN
Service Order Number	AXWT-00098	SON
	Time Logger At Bottom	9:31
	Logging Unit Location	AUSL

**Mud Data**

Drilling Fluid Type	Production fluids	DFT
Maximum Recorded Temperature	184.0 (degF)	MRT
	184.0 (degF)	MRT1
Date Logger At Bottom	4-Feb-2009	DLAB, TLAB
	Time Logger At Bottom	9:31

Absent Valued Parameters: DFD, DFV, DFL, DFPB, 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

Objective: RIH with dummy toolstring to ensure access through minimum restrictions.

Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT.

Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs.

Gun#1: Before Gun SBHP- 1957.6 psia SBHT- 174.6 degf / After Gun SBHP- 1957.9 psia SBHT-179.4 degf

Gun#1: 1521m to 1526m MDKB Top Shot @1521m MDKB

CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB

Gun#2: Before Gun SBHP- 1958.1psia SBHT- 176psia / After Gun SBHP- 1958.15 psia SBHT- 183.71 degf

Gun@2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB

CCL to Top Shot = 3.6m CCL Stop Depth = 1522.4m MDKB

Dummy Plug tool zero to Bottom of Dummy Plug = 4.15m

HUD not tagged with dummy plug

Posiset PlugTop of Seal @ 1563m

CCL to Top of Seal = 6.95m CCL Stop Depth = 1556.05m MDKB

CCL to Bottom of Dump Bailers = 12m

Schlumberger Crew:

J.Light, N.Simmons.

R1  
R2  
R3  
R4  
R5  
R6  
R7  
R8  
R9  
R10  
R11  
R12  
R13  
R14  
R15  
R16  
R17**Other Services**

None

OS1

**Frame Summary** File: **PERFO\_069LUP** Sequence: **12****Origin: 67**

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	1551.74	1518.51 m	-60.0 (0.1 in) up	7	TDEP	60B
	5091.00	4982.00 ft				
BOREHOLE-DEPTH	1551.74	1518.54 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	5091.00	4982.08 ft				

**File Header** File: **PERFO\_072LUP** Sequence: **13****Defining Origin: 67**

File ID: PERFO\_072LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 16C0-147

File Set: 41

File Number: 71

5-FEB-2009 11:35:41

Company Name: Esso Australia Pty Ltd.

Well Name: A14

Field Name: Marlin

Tool String: SHM\_GUN, CCL-L

Computations: WELLCAD

**Error Summary** File: **PERFO\_072LUP** Sequence: **13**

No errors detected in file.

**Well Site Data** File: **PERFO\_072LUP** Sequence: **13****Origin: 67****Well Data**

Company Name: Esso Australia Pty Ltd.

Well Name: A14

Field Name: Marlin

Rig: Crane / Prod 4

State: Victoria

Nation: Australia

Field Location: Gippsland

Basin

CN  
WN  
FN  
CLAB, COUN  
SLAB, STAT  
NATI  
FL  
FL1

Service Order Number	Bass Strait	AXWT-00098	FL2
Longitude	148 13'09.18"E		SON
Latitude	038 13'55.49"S		LONG
Maximum Hole Deviation	30.0 (deg)		LATI
Elevation of Kelly Bushing	27.4 (m)		MHD
Elevation of Ground Level	-59.0 (m)		EKB
Elevation of Derrick Floor	27.4 (m)		EGL
Permanent Datum	M.S.L	Elevation of Permanent Datum 27.4 (m)	EDF
Log Measured From	K.B	Above Permanent Datum -27.4 (m)	PDAT, EPD
Drilling Measured From	K.B		LMF, APD
			DMF

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

### Job Data

Date as Month-Day-Year	4-Feb-2009		DATE
Run Number	1 through 7		RUN
Total Depth - Driller	1628.0 (m)		TDD
Total Depth - Logger	1600.0 (m)		TDL
Bottom Log Interval	1563.0 (m)		BLI
Top Log Interval	1521.0 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	12.5 (m)		CDF
Casing Depth To	1740.0 (m)		CADT
Casing Grade	N-80		CASG
Casing Weight	40.0 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	57.0 (m)		BSDF
Bit Size Depth To	1749.2 (m)		BSDT
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom 9:31	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	S.Gilbert		ENGI
Witness's Name	B White		WITN
Service Order Number	AXWT-00098		SON

### Mud Data

Drilling Fluid Type	Production fluids		DFT
Maximum Recorded Temperature	184.0 (degF)		MRT
	184.0 (degF)		MRT1
Date Logger At Bottom	4-Feb-2009	Time Logger At Bottom 9:31	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPB, 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		R1
Objective: RIH with dummy toolstring to ensure access through minimum restrictions.		R2
Perforate the interval 1521m to 1531m MDKB using 2", 6spf, 60deg Phased Powerjet Omega HSD guns with MWPT.		R3
Set 9 5/8 posiset plug with top of Seal @ 1563m MDKB, then Dump approx 1.0m of Cement on top in 2 runs.		R4
Gun#1: Before Gun SBHP- 1957.6 psia SBHT- 174.6 degf / After Gun SBHP- 1957.9 psia SBHT-179.4 degf		R5
Gun#1: 1521m to 1526m MDKB Top Shot @1521m MDKB		R6
CCL to Top Shot = 3.6m CCL Stop Depth = 1517.4m MDKB		R7
Gun#2: Before Gun SBHP- 1958.1psia SBHT- 176psia / After Gun SBHP- 1958.15 psia SBHT- 183.71 degf		R8
Gun@2: 1526m to 1531m MDKB Top Shot @ 1526m MDKB		R9
CCL to Top Shot = 3.6m CCL Stop Depth = 1522.4m MDKB		R10
Dummy Plug tool zero to Bottom of Dummy Plug = 4.15m		R11
HUD not tagged with dummy plug		R12
Posiset PlugTop of Seal @ 1563m		R13
CCL to Top of Seal = 6.95m CCL Stop Depth = 1556.05m MDKB		R14
CCL to Bottom of Dump Bailers = 12m		R15
Schlumberger Crew:		R16
J.Light, N.Simmons.		R17

### Other Services

None		OS1
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## Frame Summary File: PERFO\_072LUP Sequence: 13

### Origin: 67

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	1550.06	1514.40 m	-60.0 (0.1 in) up	7	TDEP	60B
	5085.50	4968.50 ft				

BOREHOLE-DEPTH	1550.06	1514.42 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	5085.50	4968.58 ft				



## Verification Listing

Listing Completed: 5-FEB-2009 11:49:04