Schlumberger Verification Listing

Listing Created: 7−MAR−2008 11:31:41
Version: 15C0−309

Input Source: D:\OP_Folder\Clients\Esso2008\BMB_B16\GUN\COMP_BMB_B16_COMP_078.DLIS
Format: DLIS
Storage Set ID: Default Storage Set
Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PSP_025LUP** Sequence: **1**

Defining Origin: 26

File ID: PSP_025LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 24 5−MAR−2008 11:55:28

Company Name: Esso Australia Pty Ltd.
Well Name: B−16
Field Name: Bream B
Tool String: PSPT−B
Computations: WELLCAD, BORDYN

Error Summary File: **PSP_025LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PSP_025LUP** Sequence: **1**

Origin: 26

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008		DATE
Run Number	1 through 6		RUN
Total Depth − Driller	2250.0 (m)		TDD
Total Depth − Logger	2250.0 (m)		TDL
Bottom Log Interval	2205.0 (m)		BLI
Top Log Interval	1950.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	27.0 (m)		CDF
Casing Depth To	2626.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	836.0 (m)		BSDF
Bit Size Depth To	2641.0 (m)		BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert		ENGI
Witness's Name	G Rimmer		WITN
Service Order Number	AUSL07336281		SON

Mud Data

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	229.0 (degF)		MRT
	230.0 (degF)		MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.	R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.	R3
Set a 7" Posiset plug with top of seal at 2201m MDKB then dump approximately 1m of cement on top.	R4
Maximum Deviation = 58deg @ 2045m MDKB	R5
HUD: _____m MDKB	R6
Gun#1 Gun#2	R7
Top Shot @ 2191.5m MDKB Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= m CCL to Top Shot= m MDKB	R9
CCL Stop Depth= M MKDB CCL Stop Depth= m MDKB	R10
7" Posiset Plug	R11
Top of Seal @ 2201m MDKB	R12
CCL to Top of Seal = m	R13
CCL Stop Depth = m MDKB	R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.	R16
Schlumberger crews:J Light , C Shiells	R17

Other Services

None	OS1

Frame Summary File: **PSP_025LUP** Sequence: **1**

Origin: 26

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2233.57	1938.22 m	−60.0 (0.1 in) up	28	TDEP	60B
	7328.00	6359.00 ft				
BOREHOLE−DEPTH	2233.57	1938.25 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	7328.00	6359.08 ft				

File Header File: **PERFO_036LUP** Sequence: **2**

Defining Origin: 83

File ID: PERFO_036LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 35 5−MAR−2008 14:29:21

Company Name:	Esso Australia Pty Ltd.
Well Name:	B−16
Field Name:	Bream B
Tool String:	MWP_GUN, MWPT−CA, MWGT−AA
Computations:	WELLCAD, BORDYN

Error Summary File: **PERFO_036LUP** Sequence: **2**

No errors detected in file.

Well Site Data File: **PERFO_036LUP** Sequence: **2**

Origin: 83

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008		DATE
Run Number	1 through 6		RUN
Total Depth − Driller	2250.0 (m)		TDD
Total Depth − Logger	2250.0 (m)		TDL
Bottom Log Interval	2205.0 (m)		BLI
Top Log Interval	1950.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	27.0 (m)		CDF
Casing Depth To	2626.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	836.0 (m)		BSDF
Bit Size Depth To	2641.0 (m)		BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert		ENGI
Witness's Name	G Rimmer		WITN
Service Order Number	AUSL07336281		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	225.0 (degF)		MRT
	225.0 (degF)		MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.	R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.	R3
Set a 7" Posiset plug with top of seal at 2201m MDKB then dump approximately 1m of cement on top.	R4
Maximum Deviation = 58deg @ 2045m MDKB	R5
HUD: 2230m MDKB	R6
Gun#1 Gun#2	R7
Top Shot @ 2191.5m MDKB Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= 3.4 m CCL to Top Shot= m MDKB	R9
CCL Stop Depth= 2188.1m MKDB CCL Stop Depth= m MDKB	R10
7" Posiset Plug	R11
Top of Seal @ 2201m MDKB	R12
CCL to Top of Seal = m	R13
CCL Stop Depth = m MDKB	R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.	R16
Schlumberger crews:J Light , C Shiells	R17

Other Services

None OS1

Frame Summary File: **PERFO_036LUP** Sequence: **2**

Origin: 83

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2212.39 m	2176.73 m	−60.0 (0.1 in) up	22	TDEP	60B
	7258.50 ft	7141.50 ft				
BOREHOLE−DEPTH	2212.39 m	2176.75 m	−10.0 (0.1 in) up	10	TDEP;1	10B
	7258.50 ft	7141.58 ft				

File Header File: **PERFO_037LUP** Sequence: **3**

Defining Origin: 83

File ID: PERFO_037LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 36 5−MAR−2008 14:33:33

Company Name: Esso Australia Pty Ltd.
Well Name: B−16
Field Name: Bream B
Tool String: MWP_GUN, MWPT−CA, MWGT−AA
Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_037LUP** Sequence: **3**

No errors detected in file.

Well Site Data File: **PERFO_037LUP** Sequence: **3**

Origin: 83

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008	DATE
Run Number	1 through 6	RUN
Total Depth − Driller	2250.0 (m)	TDD
Total Depth − Logger	2250.0 (m)	TDL
Bottom Log Interval	2205.0 (m)	BLI
Top Log Interval	1950.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	27.0 (m)	CDF
Casing Depth To	2626.0 (m)	CADT
Casing Grade	L−80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Bit Size Depth From	836.0 (m)			BSDF
Bit Size Depth To	2641.0 (m)			BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom	11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert			ENGI
Witness's Name	G Rimmer			WITN
Service Order Number	AUSL07336281			SON

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	225.0 (degF)			MRT
	225.0 (degF)			MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom	11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.		R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.		R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.		R3
Set a 7" Posiset plug with top of seal at 2201m MDKB then dump approximately 1m of cement on top.		R4
Maximum Deviation = 58deg @ 2045m MDKB		R5
HUD: 2230m MDKB		R6
Gun#1	Gun#2	R7
Top Shot @ 2191.5m MDKB	Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= 3.4 m	CCL to Top Shot= m MDKB	R9
CCL Stop Depth= 2188.1m MKDB	CCL Stop Depth= m MDKB	R10
7" Posiset Plug		R11
Top of Seal @ 2201m MDKB		R12
CCL to Top of Seal = m		R13
CCL Stop Depth = m MDKB		R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.		R16
Schlumberger crews:J Light , C Shiells		R17

Other Services

None	OS1

Frame Summary File: **PERFO_037LUP** Sequence: **3**

Origin: 83

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2210.10 m	2165.91 m	−60.0 (0.1 in) up	22	TDEP	60B
	7251.00 ft	7106.00 ft				
BOREHOLE−DEPTH	2210.10 m	2165.93 m	−10.0 (0.1 in) up	10	TDEP;1	10B
	7251.00 ft	7106.08 ft				

File Header File: **PERFO_038LTP** Sequence: **4**

Defining Origin: 83

File ID: PERFO_038LTP File Type: STATION
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 37 5−MAR−2008 14:38:45

Company Name:	Esso Australia Pty Ltd.
Well Name:	B−16
Field Name:	Bream B
Tool String:	MWP_GUN, MWPT−CA, MWGT−A
Computations:	WELLCAD, BORDYN

Error Summary File: **PERFO_038LTP** Sequence: **4**

No errors detected in file.

Well Site Data File: **PERFO_038LTP** Sequence: **4**

Origin: 83

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008		DATE
Run Number	1 through 6		RUN
Total Depth − Driller	2250.0 (m)		TDD
Total Depth − Logger	2250.0 (m)		TDL
Bottom Log Interval	2205.0 (m)		BLI
Top Log Interval	1950.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	27.0 (m)		CDF
Casing Depth To	2626.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	836.0 (m)		BSDF
Bit Size Depth To	2641.0 (m)		BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert		ENGI
Witness's Name	G Rimmer		WITN
Service Order Number	AUSL07336281		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	225.0 (degF)		MRT
	225.0 (degF)		MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.	R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.	R3
Set a 7" Posiset plug with top of seal at 2201m MDKB then dump approximately 1m of cement on top.	R4
Maximum Deviation = 58deg @ 2045m MDKB	R5
HUD: 2230m MDKB	R6
Gun#1 Gun#2	R7
Top Shot @ 2191.5m MDKB Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= 3.4 m CCL to Top Shot= m MDKB	R9
CCL Stop Depth= 2188.1m MKDB CCL Stop Depth= m MDKB	R10
7" Posiset Plug	R11
Top of Seal @ 2201m MDKB	R12
CCL to Top of Seal = m	R13
CCL Stop Depth = m MDKB	R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.	R16
Schlumberger crews:J Light , C Shiells	R17

Other Services

None	OS1

Frame Summary File: **PERFO_038LTP** Sequence: **4**

Origin: 83

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	1517.05	1663.05 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	1517.05	1663.55 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	1517.05	1663.55 s	500.0 (0.5 ms)	4	TIME;5	500T

File Header File: **PERFO_047LUP** Sequence: **5**

Defining Origin: 53

File ID: PERFO_047LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 46 6−MAR−2008 9:42:24

Company Name: Esso Australia Pty Ltd.
Well Name: B−16
Field Name: Bream B
Tool String: MWP_GUN, MWPT−CA, MWGT−A
Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_047LUP** Sequence: **5**

No errors detected in file.

Well Site Data File: **PERFO_047LUP** Sequence: **5**

Origin: 53

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008	DATE
Run Number	1 through 6	RUN
Total Depth − Driller	2250.0 (m)	TDD
Total Depth − Logger	2230.0 (m)	TDL
Bottom Log Interval	2205.0 (m)	BLI
Top Log Interval	1950.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	27.0 (m)	CDF
Casing Depth To	2626.0 (m)	CADT
Casing Grade	L−80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI

Bit Size	8.50 (in)			BS
Bit Size Depth From	836.0 (m)			BSDF
Bit Size Depth To	2641.0 (m)			BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom	11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert			ENGI
Witness's Name	G Rimmer			WITN
Service Order Number	AUSL07336281			SON

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	225.0 (degF)			MRT
	225.0 (degF)			MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom	11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.			R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.			R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.			R3
Set a 7" Posiset plug with top of seal at 2201m MDKB then dump approximately 1m of cement on top.			R4
Maximum Deviation = 58deg @ 2045m MDKB			R5
HUD: 2230m MDKB			R6
Gun#1	Gun#2		R7
Top Shot @ 2191.5m MDKB	Top Shot @ 2161.8m MDKB		R8
CCL to Top Shot= 3.4 m	CCL to Top Shot= 3.4m MDKB		R9
CCL Stop Depth= 2188.1m MKDB	CCL Stop Depth= 2158.4 m MDKB		R10
7" Posiset Plug			R11
Top of Seal @ 2201m MDKB			R12
CCL to Top of Seal = m			R13
CCL Stop Depth = m MDKB			R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.			R16
Schlumberger crews:J Light , C Shiells			R17

Other Services

None	OS1

Frame Summary File: **PERFO_047LUP** Sequence: **5**

Origin: 53

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2177.95 m	2137.11 m	−60.0 (0.1 in) up	22	TDEP	60B
	7145.50 ft	7011.50 ft				
BOREHOLE−DEPTH	2177.95 m	2137.13 m	−10.0 (0.1 in) up	10	TDEP;1	10B
	7145.50 ft	7011.58 ft				

File Header File: **PERFO_048LUP** Sequence: **6**

Defining Origin: 53

File ID: PERFO_048LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 47 6−MAR−2008 9:52:16

Company Name:	Esso Australia Pty Ltd.
Well Name:	B−16
Field Name:	Bream B
Tool String:	MWP_GUN, MWPT−CA, MWGT−A
Computations:	WELLCAD, BORDYN

Error Summary File: **PERFO_048LUP** Sequence: **6**

No errors detected in file

No errors detected in file.

Well Site Data File: **PERFO_048LUP** Sequence: **6**

Origin: 53

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008		DATE
Run Number	1 through 6		RUN
Total Depth − Driller	2250.0 (m)		TDD
Total Depth − Logger	2230.0 (m)		TDL
Bottom Log Interval	2205.0 (m)		BLI
Top Log Interval	1950.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	27.0 (m)		CDF
Casing Depth To	2626.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	836.0 (m)		BSDF
Bit Size Depth To	2641.0 (m)		BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert		ENGI
Witness's Name	G Rimmer		WITN
Service Order Number	AUSL07336281		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	225.0 (degF)		MRT
	225.0 (degF)		MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.		R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.		R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.		R3
Set a 7" Posiset plug with top of seal at 2201m MDKB then dump approximately 1m of cement on top.		R4
Maximum Deviation = 58deg @ 2045m MDKB		R5
HUD: 2230m MDKB		R6
Gun#1	Gun#2	R7
Top Shot @ 2191.5m MDKB	Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= 3.4 m	CCL to Top Shot= 3.4m MDKB	R9
CCL Stop Depth= 2188.1m MKDB	CCL Stop Depth= 2158.4 m MDKB	R10
7" Posiset Plug		R11
Top of Seal @ 2201m MDKB		R12

Top of Seal @ 2201m MDKB R12
CCL to Top of Seal = m R13
CCL Stop Depth = m MDKB R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug. R16
Schlumberger crews:J Light , C Shiells R17

Other Services
None OS1

Frame Summary File: **PERFO_048LUP** Sequence: **6**

Origin: 53

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2178.25 m 7146.50 ft	2132.69 m 6997.00 ft	−60.0 (0.1 in) up	22	TDEP	60B
BOREHOLE−DEPTH	2178.25 m 7146.50 ft	2132.71 m 6997.08 ft	−10.0 (0.1 in) up	10	TDEP;1	10B

File Header File: **PERFO_049LTP** Sequence: **7**

Defining Origin: 53

File ID: PERFO_049LTP File Type: STATION
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 48 6−MAR−2008 9:55:27

Company Name: Esso Australia Pty Ltd.
Well Name: B−16
Field Name: Bream B
Tool String: MWP_GUN, MWPT−CA, MWGT−A
Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_049LTP** Sequence: **7**

No errors detected in file.

Well Site Data File: **PERFO_049LTP** Sequence: **7**

Origin: 53

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008	DATE
Run Number	1 through 6	RUN
Total Depth − Driller	2250.0 (m)	TDD
Total Depth − Logger	2230.0 (m)	TDL
Bottom Log Interval	2205.0 (m)	BLI
Top Log Interval	1950.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	27.0 (m)	CDF
Casing Depth To	2626.0 (m)	CADT
Casing Grade	L−80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	826.0 (m)	BSDF

Bit Size Depth From	836.0 (m)		BSDF
Bit Size Depth To	2641.0 (m)		BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert		ENGI
Witness's Name	G Rimmer		WITN
Service Order Number	AUSL07336281		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	225.0 (degF)		MRT
	225.0 (degF)		MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.	R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.	R3
Set a 7" Posiset plug with top of seal at 2201m MDKB then dump approximately 1m of cement on top.	R4
Maximum Deviation = 58deg @ 2045m MDKB	R5
HUD: 2230m MDKB	R6
Gun#1 Gun#2	R7
Top Shot @ 2191.5m MDKB Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= 3.4 m CCL to Top Shot= 3.4m MDKB	R9
CCL Stop Depth= 2188.1m MKDB CCL Stop Depth= 2158.4 m MDKB	R10
7" Posiset Plug	R11
Top of Seal @ 2201m MDKB	R12
CCL to Top of Seal = m	R13
CCL Stop Depth = m MDKB	R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.	R16
Schlumberger crews:J Light , C Shiells	R17

Other Services

None	OS1

Frame Summary File: **PERFO_049LTP** Sequence: **7**

Origin: 53

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	1822.17	2229.17 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	1822.17	2229.67 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	1822.17	2229.67 s	500.0 (0.5 ms)	4	TIME;5	500T

File Header File: **MPBT_061LUP** Sequence: **8**

Defining Origin: 51

File ID: MPBT_061LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 60 6−MAR−2008 11:51:36

Company Name:	Esso Australia Pty Ltd.
Well Name:	B−16
Field Name:	Bream B
Tool String:	MPEX−7" 26lb/ft Posiset Pulg, MPSU−CA, CCL−I
Computations:	WELLCAD

Error Summary File: **MPBT_061LUP** Sequence: **8**

No errors detected in file.

Well Site Data File: **MPBT_061LUP** Sequence: **8**

Origin: 51

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008		DATE
Run Number	1 through 6		RUN
Total Depth − Driller	2250.0 (m)		TDD
Total Depth − Logger	2230.0 (m)		TDL
Bottom Log Interval	2205.0 (m)		BLI
Top Log Interval	1950.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	27.0 (m)		CDF
Casing Depth To	2626.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	836.0 (m)		BSDF
Bit Size Depth To	2641.0 (m)		BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert		ENGI
Witness's Name	G Rimmer		WITN
Service Order Number	AUSL07336281		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	228.0 (degF)		MRT
	228.0 (degF)		MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.	R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.	R3
Set a 7" Posiset plug with top of seal at 2201m MDKB then dump approximately 1m of cement on top.	R4
Maximum Deviation = 58deg @ 2045m MDKB	R5
HUD: 2230m MDKB	R6
Gun#1 Gun#2	R7
Top Shot @ 2191.5m MDKB Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= 3.4 m CCL to Top Shot= 3.4m MDKB	R9
CCL Stop Depth= 2188.1m MKDB CCL Stop Depth= 2158.4 m MDKB	R10
7" Posiset Plug	R11

Top of Seal @ 2201m MDKB R12
CCL to Top of Seal = 7m R13
CCL Stop Depth = 2194m MDKB R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug. R16
Schlumberger crews:J Light , C Shiells R17

Other Services

None OS1

Frame Summary File: **MPBT_061LUP** Sequence: **8**

Origin: 51

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2181.91 m	2164.08 m	−60.0 (0.1 in) up	7	TDEP	60B
	7158.50	7100.00 ft				
BOREHOLE−DEPTH	2181.91	2164.11 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	7158.50	7100.08 ft				

File Header File: **MPBT_064LUP** Sequence: **9**

Defining Origin: 51

File ID: MPBT_064LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 63 6−MAR−2008 12:00:52

Company Name: Esso Australia Pty Ltd.
Well Name: B−16
Field Name: Bream B
Tool String: MPEX−7" 26lb/ft Posiset Pulg, MPSU−CA, CCL−I
Computations: WELLCAD

Error Summary File: **MPBT_064LUP** Sequence: **9**

No errors detected in file.

Well Site Data File: **MPBT_064LUP** Sequence: **9**

Origin: 51

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008	DATE
Run Number	1 through 6	RUN
Total Depth − Driller	2250.0 (m)	TDD
Total Depth − Logger	2230.0 (m)	TDL
Bottom Log Interval	2205.0 (m)	BLI

Top Log Interval	1950.0 (m)			TLI
Current Casing Size	7.00 (in)			CSIZ
Casing Depth From	27.0 (m)			CDF
Casing Depth To	2626.0 (m)			CADT
Casing Grade	L−80			CASG
Casing Weight	26.0 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	836.0 (m)			BSDF
Bit Size Depth To	2641.0 (m)			BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00		DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL		LUN, LUL
Engineer's Name	S Gilbert			ENGI
Witness's Name	G Rimmer			WITN
Service Order Number	AUSL07336281			SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	228.0 (degF)		MRT
	228.0 (degF)		MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.		R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.		R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.		R3
Set a 7" Posiset plug with top of seal at 2201m MDKB then dump approximately 1m of cement on top.		R4
Maximum Deviation = 58deg @ 2045m MDKB		R5
HUD: 2230m MDKB		R6
Gun#1	Gun#2	R7
Top Shot @ 2191.5m MDKB	Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= 3.4 m	CCL to Top Shot= 3.4m MDKB	R9
CCL Stop Depth= 2188.1m MKDB	CCL Stop Depth= 2158.4 m MDKB	R10
7" Posiset Plug		R11
Top of Seal @ 2201m MDKB		R12
CCL to Top of Seal = 7m		R13
CCL Stop Depth = 2194m MDKB		R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.		R16
Schlumberger crews:J Light , C Shiells		R17

Other Services

None	OS1

Frame Summary File: **MPBT_064LUP** Sequence: **9**

Origin: 51

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	12192.00 m	11588.65 m	−60.0 (0.1 in) up	7	TDEP	60B
	40000.00 ft	38020.50 ft				
BOREHOLE−DEPTH	12192.00 m	11588.67 m	−10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00 ft	38020.58 ft				

File Header File: **MPBT_065LUP** Sequence: **10**

Defining Origin: 51

File ID: MPBT_065LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 64 6−MAR−2008 12:41:28

Company Name:	Esso Australia Pty Ltd.
Well Name:	B−16
Field Name:	Bream B
Tool String:	MPEX−7" 26lb/ft Posiset Pulg, MPSU−CA, CCL−I
Computations:	WELLCAD

Error Summary File: **MPBT_065LUP** Sequence: **10**

No errors detected in file.

No errors detected in file.

Well Site Data File: **MPBT_065LUP** Sequence: **10**

Origin: 51

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008		DATE
Run Number	1 through 6		RUN
Total Depth − Driller	2250.0 (m)		TDD
Total Depth − Logger	2230.0 (m)		TDL
Bottom Log Interval	2205.0 (m)		BLI
Top Log Interval	1950.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	27.0 (m)		CDF
Casing Depth To	2626.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	836.0 (m)		BSDF
Bit Size Depth To	2641.0 (m)		BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert		ENGI
Witness's Name	G Rimmer		WITN
Service Order Number	AUSL07336281		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	228.0 (degF)		MRT
	228.0 (degF)		MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.		R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.		R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.		R3
Set a 7" Posiset plug with top of seal at 2201m MDKB then dump approximately 1m of cement on top.		R4
Maximum Deviation = 58deg @ 2045m MDKB		R5
HUD: 2230m MDKB		R6
Gun#1	Gun#2	R7
Top Shot @ 2191.5m MDKB	Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= 3.4 m	CCL to Top Shot= 3.4m MDKB	R9
CCL Stop Depth= 2188.1m MKDB	CCL Stop Depth= 2158.4 m MDKB	R10
7" Posiset Plug		R11
Top of Seal @ 2201m MDKB		R12

CCL to Top of Seal = 7m R13
CCL Stop Depth = 2194m MDKB R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug. R16
Schlumberger crews:J Light , C Shiells R17

Other Services

None OS1

Frame Summary File: **MPBT_065LUP** Sequence: **10**

Origin: 51

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2192.88 m	2148.38 m	−60.0 (0.1 in) up	7	TDEP	60B
	7194.50	7048.50 ft				
BOREHOLE−DEPTH	2192.88 m	2148.41 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	7194.50	7048.58 ft				

File Header File: **PERFO_072LUP** Sequence: **11**

Defining Origin: 46

File ID: PERFO_072LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 71 7−MAR−2008 9:54:29

Company Name: Esso Australia Pty Ltd.
Well Name: B−16
Field Name: Bream B
Tool String: SHM_GUN, CCL−L
Computations: WELLCAD

Error Summary File: **PERFO_072LUP** Sequence: **11**

No errors detected in file.

Well Site Data File: **PERFO_072LUP** Sequence: **11**

Origin: 46

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008	DATE
Run Number	1 through 6	RUN
Total Depth − Driller	2250.0 (m)	TDD
Total Depth − Logger	2230.0 (m)	TDL

Bottom Log Interval	2205.0 (m)			BLI
Top Log Interval	1950.0 (m)			TLI
Current Casing Size	7.00 (in)			CSIZ
Casing Depth From	27.0 (m)			CDF
Casing Depth To	2626.0 (m)			CADT
Casing Grade	L−80			CASG
Casing Weight	26.0 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	836.0 (m)			BSDF
Bit Size Depth To	2641.0 (m)			BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00		DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL		LUN, LUL
Engineer's Name	S Gilbert			ENGI
Witness's Name	G Rimmer			WITN
Service Order Number	AUSL07336281			SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	228.0 (degF)		MRT
	228.0 (degF)		MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.		R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.		R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.		R3
Set a 7" Posiset plug with top of seal at 2200m MDKB then dump approximately 1m of cement on top.		R4
Maximum Deviation = 58deg @ 2045m MDKB		R5
HUD: 2230m MDKB		R6
Gun#1	Gun#2	R7
Top Shot @ 2191.5m MDKB	Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= 3.4 m	CCL to Top Shot= 3.4m MDKB	R9
CCL Stop Depth= 2188.1m MKDB	CCL Stop Depth= 2158.4 m MDKB	R10
7" Posiset Plug		R11
Top of Seal @ 2200m MDKB		R12
CCL to Top of Seal = 7m		R13
CCL Stop Depth = 2193m MDKB		R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.		R16
Schlumberger crews:J Light , C Shiells		R17

Other Services

None OS1

Frame Summary File: **PERFO_072LUP** Sequence: **11**

Origin: 46

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2191.36 m	2148.54 m	−60.0 (0.1 in) up	7	TDEP	60B
	7189.50 ft	7049.00 ft				
BOREHOLE−DEPTH	2191.36 m	2148.56 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	7189.50 ft	7049.08 ft				

File Header File: **PERFO_076LUP** Sequence: **12**

Defining Origin: 46

File ID: PERFO_076LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 75 7−MAR−2008 11:18:20

Company Name:	Esso Australia Pty Ltd.
Well Name:	B−16
Field Name:	Bream B
Tool String:	SHM_GUN, CCL−L
Computations:	WELLCAD

Error Summary File: **PERFO_076LUP** Sequence: **12**

No errors detected in file.

Well Site Data File: **PERFO_076LUP** Sequence: **12**

Origin: 46

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	B−16		WN
Field Name	Bream B		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	AUSL07336281		SON
Longitude	148*06'15.37E		LONG
Latitude	038*35'40.34S		LATI
Maximum Hole Deviation	58.0 (deg)		MHD
Elevation of Kelly Bushing	47.2 (m)		EKB
Elevation of Ground Level	47.2 (m)		EGL
Elevation of Derrick Floor	−61.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 47.2 (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	5−Mar−2008		DATE
Run Number	1 through 6		RUN
Total Depth − Driller	2250.0 (m)		TDD
Total Depth − Logger	2230.0 (m)		TDL
Bottom Log Interval	2205.0 (m)		BLI
Top Log Interval	1950.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	27.0 (m)		CDF
Casing Depth To	2626.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	836.0 (m)		BSDF
Bit Size Depth To	2641.0 (m)		BSDT
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert		ENGI
Witness's Name	G Rimmer		WITN
Service Order Number	AUSL07336281		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	228.0 (degF)		MRT
	228.0 (degF)		MRT1
Date Logger At Bottom	5−Mar−2008	Time Logger At Bottom 11:00	DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type	Primary	CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Perforate the well over the intervals 2191.5m to 2192.9m MDKB and 2161.8m to 2164.8m MDKB.	R2
using 2−1/8" 6 SPF, 45 deg phased Powerjet guns with MWPT.	R3
Set a 7" Posiset plug with top of seal at 2200m MDKB then dump approximately 1m of cement on top.	R4
Maximum Deviation = 58deg @ 2045m MDKB	R5

HUD: 2230m MDKB		R6
Gun#1	Gun#2	R7
Top Shot @ 2191.5m MDKB	Top Shot @ 2161.8m MDKB	R8
CCL to Top Shot= 3.4 m	CCL to Top Shot= 3.4m MDKB	R9
CCL Stop Depth= 2188.1m MKDB	CCL Stop Depth= 2158.4 m MDKB	R10
7" Posiset Plug		R11
Top of Seal @ 2200m MDKB		R12
CCL to Top of Seal = 7m		R13
CCL Stop Depth = 2193m MDKB		R14
2.13 Dummy Plug Ran to ensure access for Posiset Plug.		R16
Schlumberger crews:J Light , C Shiells		R17

Other Services

None OS1

Frame Summary File: **PERFO_076LUP** Sequence: **12**

Origin: 46

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2189.99 m	2149.45 m	−60.0 (0.1 in) up	7	TDEP	60B
	7185.00 ft	7052.00 ft				
BOREHOLE−DEPTH	2189.99 m	2149.48 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	7185.00 ft	7052.08 ft				

Schlumberger **Verification Listing** **Listing Completed:** 7−MAR−2008 11:31:41