Schlumberger

Verification Listing

Listing Created: 29−JUN−2008 6:00:13
Version: 15C0−309

Input Source: D:\OP_Folder\Clients\Esso_Australia_Pty_Ltd\TNA_A15a\GUN\COMP_CUSTOMER_COMP_120.DLIS
Format: DLIS
Storage Set ID: Default Storage Set
Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_065LUP** Sequence: **1**

Defining Origin: 24

File ID: PERFO_065LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 64 28−JUN−2008 6:04:14

Company Name: Esso Australia Pty Ltd.
Well Name: TNA A−15a
Field Name: Tuna
Tool String: MWP_GUN, MWPT−CA, MWGT−CGRS
Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_065LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_065LUP** Sequence: **1**

Origin: 24

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	TNA A−15a		WN
Field Name	Tuna		FN
Rig:	Crane / Prod2		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	AUSL 08589251		SON
Longitude	148 25’ 06.5" E		LONG
Latitude	038 10’ 16.5" S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L.	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	R.T.	Above Permanent Datum 32.9 (m)	LMF, APD
Drilling Measured From	R.T.		DMF

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

Job Data

Date as Month−Day−Year	27−Jun−2008		DATE
Run Number	1 to 5		RUN
Total Depth − Driller	3283.0 (m)		TDD
Total Depth − Logger	3045.7 (m)		TDL
Bottom Log Interval	3043.0 (m)		BLI
Top Log Interval	3039.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	555.0 (m)		BSDF
Bit Size Depth To	3283.0 (m)		BSDT
Date Logger At Bottom	27−Jun−2008	Time Logger At Bottom 23:30	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL / Prod 2	LUN, LUL
Engineer’s Name	O Darby / R Sani		ENGI
Witness’s Name	J Dean / B Robinson		WITN
Service Order Number	AUSL 08589251		SON

Mud Data

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Date Logger At Bottom	27−Jun−2008	Time Logger At Bottom	23:30	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 dated 22−Nov−2004.	R1
Maximum well deviation of 61 deg at 2340.0m MDKB.	R2
Objective: To perforate interval 3039.0m to 3043.0m MDKB. Set a MPBT plug at 3046.5m MDKB	R3
and dump cement above to isolate the existing perforation at 3048.0m to 3054.0m MDKB.	R4
Run #1: RIH Dummy 2−1/8" MPBT plug with GR−CCL. Tagged HUD @ 3048.9m MDKB.	R6
Run #2: Perforate interval 3039.0m to 3043.0m MDKB with 2−1/8" Powerjet 6 SPF, 45 deg phased perforating gun using SAFE.	R7
SBHP = psia, SBHT = DegF, FBHP = psia, FBHT = DegF	R8
Run #3: Set plug with MPBT with top of sealing element @ 3045.7m MDKB	R9
Run #4: RIH 2−1/8" Water Bailer. Tagged MPBT at m MDKB.	R10
Run #5: RIH 2−1/8" Cement Dump Bailer. Dumped 1.0 m of cement in 7" casing.	R11
Schlumberger Field Specialist / Engineer: O Darby / R Sani	R15
Schlumberger Operators: R Murray / K Kerr / S Kiss / G Blandford	R16

Other Services

MWP	OS1
GR−CH	OS2
DB−TT	OS3

Frame Summary File: **PERFO_065LUP** Sequence: **1**

Origin: 24

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3039.77 m 9973.00 ft	2948.03 m 9672.00 ft	−60.0 (0.1 in) up	22	TDEP	60B
BOREHOLE−DEPTH	3039.77 m 9973.00 ft	2948.05 m 9672.08 ft	−10.0 (0.1 in) up	10	TDEP;1	10B

File Header File: **PERFO_064LUP** Sequence: **2**

Defining Origin: 24

File ID: PERFO_064LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 63 28−JUN−2008 5:48:20

Company Name:	Esso Australia Pty Ltd.
Well Name:	TNA A−15a
Field Name:	Tuna
Tool String:	MWP_GUN, MWPT−CA, MWGT−CGRS
Computations:	WELLCAD, BORDYN

Error Summary File: **PERFO_064LUP** Sequence: **2**

No errors detected in file.

Well Site Data File: **PERFO_064LUP** Sequence: **2**

Origin: 24

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	TNA A−15a		WN
Field Name	Tuna		FN
Rig:	Crane / Prod2		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	AUSL 08589251		SON
Longitude	148 25' 06.5" E		LONG
Latitude	038 10' 16.5" S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L.	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	R.T.	Above Permanent Datum 32.9 (m)	LMF, APD
Drilling Measured From	R.T.		DMF

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

Job Data

Date as Month−Day−Year	27−Jun−2008		DATE
Run Number	1 to 5		RUN
Total Depth − Driller	3283.0 (m)		TDD
Total Depth − Logger	3045.7 (m)		TDL
Bottom Log Interval	3043.0 (m)		BLI
Top Log Interval	3039.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	555.0 (m)		BSDF
Bit Size Depth To	3283.0 (m)		BSDT
Date Logger At Bottom	27−Jun−2008	Time Logger At Bottom 23:30	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL / Prod 2	LUN, LUL
Engineer's Name	O Darby / R Sani		ENGI
Witness's Name	J Dean / B Robinson		WITN
Service Order Number	AUSL 08589251		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	27−Jun−2008	Time Logger At Bottom 23:30	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 dated 22−Nov−2004.	R1
Maximum well deviation of 61 deg at 2340.0m MDKB.	R2
Objective: To perforate interval 3039.0m to 3043.0m MDKB. Set a MPBT plug at 3046.5m MDKB	R3
and dump cement above to isolate the existing perforation at 3048.0m to 3054.0m MDKB.	R4
Run #1: RIH Dummy 2−1/8" MPBT plug with GR−CCL. Tagged HUD @ 3048.9m MDKB.	R6
Run #2: Perforate interval 3039.0m to 3043.0m MDKB with 2−1/8" Powerjet 6 SPF, 45 deg phased perforating gun using SAFE.	R7
SBHP = psia, SBHT = DegF, FBHP = psia, FBHT = DegF	R8
Run #3: Set plug with MPBT with top of sealing element @ 3045.7m MDKB	R9
Run #4: RIH 2−1/8" Water Bailer. Tagged MPBT at m MDKB.	R10
Run #5: RIH 2−1/8" Cement Dump Bailer. Dumped 1.0 m of cement in 7" casing.	R11
Schlumberger Field Specialist / Engineer: O Darby / R Sani	R15
Schlumberger Operators: R Murray / K Kerr / S Kiss / G Blandford	R16

Other Services

MWP	OS1
GR−CH	OS2
DB−TT	OS3

Frame Summary

File: **PERFO_064LUP** Sequence: **2**

Origin: 24

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3039.77 m 9973.00 ft	2952.60 m 9687.00 ft	−60.0 (0.1 in) up	22	TDEP	60B
BOREHOLE−DEPTH	3039.77 m 9973.00 ft	2952.78 m 9687.58 ft	−10.0 (0.1 in) up	10	TDEP;1	10B

File Header

File: **PERFO_075PUP** Sequence: **3**

Defining Origin: 88

File ID: PERFO_075PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 72 28−JUN−2008 7:25:45

Company Name: Esso Australia Pty Ltd.
Well Name: TNA A−15a
Field Name: Tuna
Tool String: UPCT−A, SHM_GUN
Computations: WELLCAD, BORDYN

Error Summary

File: **PERFO_075PUP** Sequence: **3**

No errors detected in file.

Well Site Data

File: **PERFO_075PUP** Sequence: **3**

Origin: 88

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	TNA A−15a		WN
Field Name	Tuna		FN
Rig:	Crane / Prod2		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Longitude	148 25’ 06.5" E		LONG
Latitude	038 10’ 16.5" S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L.	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	R.T.	Above Permanent Datum 32.9 (m)	LMF, APD
Drilling Measured From	R.T.		DMF

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

Job Data

Date as Month−Day−Year	19−Jun−2008	DATE
Run Number	1 to 5	RUN
Total Depth − Driller	3283.0 (m)	TDD
Total Depth − Logger	928.6 (m)	TDL
Bottom Log Interval	3044.0 (m)	BLI
Top Log Interval	3039.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	13.3 (m)	CDF
Casing Depth To	3273.0 (m)	CADT
Casing Grade	L−80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	555.0 (m)	BSDF

Bit Size Depth To	3283.0 (m)			BSDT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom	18:00	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location	AUSL / Prod 2	LUN, LUL
Engineer's Name	O Darby / R Sani			ENGI
Witness's Name	A. Smythe / S.Murphy			WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom	18:00	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 dated 22−Nov−2004.	R1
Maximum well deviation of 61 deg at 2340.0m MDKB.	R2
Objective: To perforate interval 3039.0m to 3044.0m MDKB. Set a MPBT plug at 3046.5m MDKB	R3
and dump cement above to isolate the existing perforation at 3048.0m to 3054.0m MDKB.	R4
Run #1: Perforate interval 3039.0m to 3044.0m MDKB with 2−1/8" Powerjet 6 SPF, 45 deg phased perforating gun using SAFE.	R6
SBHP = psia, SBHT = DegF, FBHP = psia, FBHT = DegF	R7
Run #2: RIH Dummy 2−1/8" MPBT plug with GR−CCL. Tagged HUD @ m MDKB.	R8
Run #3: Set plug with MPBT with top of sealing element @ 3046.5m MDKB	R9
Run #4: RIH 2−1/8" Water Bailer. Tagged MPBT at m MDKB.	R10
Run #5: RIH 2−1/8" Cement Dump Bailer. Dumped 1.0 m of cement in 7" casing.	R11
Schlumberger Field Specialist / Engineer: O Darby / R Sani	R15
Schlumberger Operators: R Murray / K Kerr / N Simmons / G Blandford	R16

Other Services

MWP	OS1
GR−CH	OS2
DB−TT	OS3

Frame Summary File: **PERFO_075PUP** Sequence: **3**

Origin: 88

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3057.91 m	2535.78 m	−60.0 (0.1 in) up	11	TDEP	60B
	10032.50 ft	8319.50 ft				
BOREHOLE−DEPTH	3057.91 m	2535.81 m	−10.0 (0.1 in) up	8	TDEP;1	10B
	10032.50 ft	8319.58 ft				

File Header File: **PERFO_066LTP** Sequence: **4**

Defining Origin: 24

File ID: PERFO_066LTP File Type: STATION
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 65 28−JUN−2008 6:06:34

Company Name:	Esso Australia Pty Ltd.
Well Name:	TNA A−15a
Field Name:	Tuna
Tool String:	MWP_GUN, MWPT−CA, MWGT−CGRS
Computations:	WELLCAD, BORDYN

Error Summary File: **PERFO_066LTP** Sequence: **4**

No errors detected in file.

Well Site Data File: **PERFO_066LTP** Sequence: **4**

Origin: 24

Well Data

Company Name	Esso Australia Pty Ltd	CN

Company Name	Esso Australia Pty Ltd.		CN
Well Name	TNA A−15a		WN
Field Name	Tuna		FN
Rig:	Crane / Prod2		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	AUSL 08589251		SON
Longitude	148 25' 06.5" E		LONG
Latitude	038 10' 16.5" S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L.	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	R.T.	Above Permanent Datum 32.9 (m)	LMF, APD
Drilling Measured From	R.T.		DMF

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

Job Data

Date as Month−Day−Year	27−Jun−2008		DATE
Run Number	1 to 5		RUN
Total Depth − Driller	3283.0 (m)		TDD
Total Depth − Logger	3045.7 (m)		TDL
Bottom Log Interval	3043.0 (m)		BLI
Top Log Interval	3039.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	555.0 (m)		BSDF
Bit Size Depth To	3283.0 (m)		BSDT
Date Logger At Bottom	27−Jun−2008	Time Logger At Bottom 23:30	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL / Prod 2	LUN, LUL
Engineer's Name	O Darby / R Sani		ENGI
Witness's Name	J Dean / B Robinson		WITN
Service Order Number	AUSL 08589251		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	27−Jun−2008	Time Logger At Bottom 23:30	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 dated 22−Nov−2004.	R1
Maximum well deviation of 61 deg at 2340.0m MDKB.	R2
Objective: To perforate interval 3039.0m to 3043.0m MDKB. Set a MPBT plug at 3046.5m MDKB	R3
and dump cement above to isolate the existing perforation at 3048.0m to 3054.0m MDKB.	R4
Run #1: RIH Dummy 2−1/8" MPBT plug with GR−CCL. Tagged HUD @ 3048.9m MDKB.	R6
Run #2: Perforate interval 3039.0m to 3043.0m MDKB with 2−1/8" Powerjet 6 SPF, 45 deg phased perforating gun using SAFE.	R7
SBHP = psia, SBHT = DegF, FBHP = psia, FBHT = DegF	R8
Run #3: Set plug with MPBT with top of sealing element @ 3045.7m MDKB	R9
Run #4: RIH 2−1/8" Water Bailer. Tagged MPBT at m MDKB.	R10
Run #5: RIH 2−1/8" Cement Dump Bailer. Dumped 1.0 m of cement in 7" casing.	R11
Schlumberger Field Specialist / Engineer: O Darby / R Sani	R15
Schlumberger Operators: R Murray / K Kerr / S Kiss / G Blandford	R16

Other Services

MWP	OS1
GR−CH	OS2
DB−TT	OS3

Frame Summary

File: **PERFO_066LTP** Sequence: **4**

Origin: 24

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	5885.79	7266.79 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	5885.79	7267.29 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	5885.79	7267.29 s	500.0 (0.5 ms)	4	TIME;5	500T

File Header

File: **MPBT_092LUP** Sequence: **5**

Defining Origin: 119

File ID: MPBT_092LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 89 28−JUN−2008 11:33:19

Company Name: Esso Australia Pty Ltd.
Well Name: TNA A−15a
Field Name: Tuna
Tool String: MPEX−BA, MPSU−BA, CCL−L
Computations: WELLCAD

Error Summary

File: **MPBT_092LUP** Sequence: **5**

No errors detected in file.

Well Site Data

File: **MPBT_092LUP** Sequence: **5**

Origin: 119

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	TNA A−15a		WN
Field Name	Tuna		FN
Rig:	Crane / Prod2		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Longitude	148 25’ 06.5" E		LONG
Latitude	038 10’ 16.5" S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L.	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	R.T.	Above Permanent Datum 32.9 (m)	LMF, APD
Drilling Measured From	R.T.		DMF

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

Job Data

Date as Month−Day−Year	19−Jun−2008		DATE
Run Number	1 to 5		RUN
Total Depth − Driller	3283.0 (m)		TDD
Total Depth − Logger	928.6 (m)		TDL
Bottom Log Interval	3044.0 (m)		BLI
Top Log Interval	3039.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	555.0 (m)		BSDF
Bit Size Depth To	3283.0 (m)		BSDT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL / Prod 2	LUN, LUL
Engineer’s Name	O Darby / R Sani		ENGI
Witness’s Name	A. Smythe / S.Murphy		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 dated 22−Nov−2004.	R1
Maximum well deviation of 61 deg at 2340.0m MDKB.	R2
Objective: To perforate interval 3039.0m to 3044.0m MDKB. Set a MPBT plug at 3046.5m MDKB	R3
and dump cement above to isolate the existing perforation at 3048.0m to 3054.0m MDKB.	R4
Run #1: Perforate interval 3039.0m to 3044.0m MDKB with 2−1/8" Powerjet 6 SPF, 45 deg phased perforating gun using SAFE.	R6
SBHP = psia, SBHT = DegF, FBHP = psia, FBHT = DegF	R7
Run #2: RIH Dummy 2−1/8" MPBT plug with GR−CCL. Tagged HUD @ m MDKB.	R8
Run #3: Set plug with MPBT with top of sealing element @ 3046.5m MDKB	R9
Run #4: RIH 2−1/8" Water Bailer. Tagged MPBT at m MDKB.	R10
Run #5: RIH 2−1/8" Cement Dump Bailer. Dumped 1.0 m of cement in 7" casing.	R11
Schlumberger Field Specialist / Engineer: O Darby / R Sani	R15
Schlumberger Operators: R Murray / K Kerr / N Simmons / G Blandford	R16

Other Services

MWP	OS1
GR−CH	OS2
DB−TT	OS3

Frame Summary File: **MPBT_092LUP** Sequence: **5**

Origin: 119

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3030.47 m	2919.37 m	−60.0 (0.1 in) up	7	TDEP	60B
	9942.50	9578.00 ft				
BOREHOLE−DEPTH	3030.47 m	2919.25 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	9942.50	9577.58 ft				

File Header File: **MPBT_096LUP** Sequence: **6**

Defining Origin: 119

File ID: MPBT_096LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 93 28−JUN−2008 11:47:55

Company Name:	Esso Australia Pty Ltd.
Well Name:	TNA A−15a
Field Name:	Tuna
Tool String:	MPEX−BA, MPSU−BA, CCL−L/
Computations:	WELLCAD

Error Summary File: **MPBT_096LUP** Sequence: **6**

No errors detected in file.

Well Site Data File: **MPBT_096LUP** Sequence: **6**

Origin: 119

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	TNA A−15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod2	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Longitude	148 25' 06.5" E	LONG
Latitude	038 10' 16.5" S	LATI
Maximum Hole Deviation	61.0 (deg)	MHD
Elevation of Kelly Bushing	32.9 (m)	EKB

Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L.	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	R.T.	Above Permanent Datum 32.9 (m)	LMF, APD
Drilling Measured From	R.T.		DMF

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

Job Data

Date as Month−Day−Year	19−Jun−2008		DATE
Run Number	1 to 5		RUN
Total Depth − Driller	3283.0 (m)		TDD
Total Depth − Logger	928.6 (m)		TDL
Bottom Log Interval	3044.0 (m)		BLI
Top Log Interval	3039.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	555.0 (m)		BSDF
Bit Size Depth To	3283.0 (m)		BSDT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL / Prod 2	LUN, LUL
Engineer's Name	O Darby / R Sani		ENGI
Witness's Name	A. Smythe / S.Murphy		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 dated 22−Nov−2004.	R1
Maximum well deviation of 61 deg at 2340.0m MDKB.	R2
Objective: To perforate interval 3039.0m to 3044.0m MDKB. Set a MPBT plug at 3046.5m MDKB	R3
and dump cement above to isolate the existing perforation at 3048.0m to 3054.0m MDKB.	R4
Run #1: Perforate interval 3039.0m to 3044.0m MDKB with 2−1/8" Powerjet 6 SPF, 45 deg phased perforating gun using SAFE.	R6
SBHP = psia, SBHT = DegF, FBHP = psia, FBHT = DegF	R7
Run #2: RIH Dummy 2−1/8" MPBT plug with GR−CCL. Tagged HUD @ m MDKB.	R8
Run #3: Set plug with MPBT with top of sealing element @ 3046.5m MDKB	R9
Run #4: RIH 2−1/8" Water Bailer. Tagged MPBT at m MDKB.	R10
Run #5: RIH 2−1/8" Cement Dump Bailer. Dumped 1.0 m of cement in 7" casing.	R11
Schlumberger Field Specialist / Engineer: O Darby / R Sani	R15
Schlumberger Operators: R Murray / K Kerr / N Simmons / G Blandford	R16

Other Services

MWP	OS1
GR−CH	OS2
DB−TT	OS3

Frame Summary File: **MPBT_096LUP** Sequence: **6**

Origin: 119

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	12192.00 m	11902.90 m	−60.0 (0.1 in) up	7	TDEP	60B
	40000.00 ft	39051.50 ft				
BOREHOLE−DEPTH	12192.00 m	11902.92 m	−10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00 ft	39051.58 ft				

File Header File: **MPBT_100LUP** Sequence: **7**

Defining Origin: 119

File ID: MPBT_100LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 97 28−JUN−2008 12:11:12

Company Name: Esso Australia Pty Ltd.
Well Name: TNA A−15a
Field Name: Tuna
Tool String: MPEX−BA, MPSU−BA, CCL−L
Computations: WELLCAD

Error Summary File: **MPBT_100LUP** Sequence: **7**

No errors detected in file.

Well Site Data File: **MPBT_100LUP** Sequence: **7**

Origin: 119

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	TNA A−15a		WN
Field Name	Tuna		FN
Rig:	Crane / Prod2		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Longitude	148 25' 06.5" E		LONG
Latitude	038 10' 16.5" S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L.	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	R.T.	Above Permanent Datum 32.9 (m)	LMF, APD
Drilling Measured From	R.T.		DMF

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

Job Data

Date as Month−Day−Year	19−Jun−2008		DATE
Run Number	1 to 5		RUN
Total Depth − Driller	3283.0 (m)		TDD
Total Depth − Logger	928.6 (m)		TDL
Bottom Log Interval	3044.0 (m)		BLI
Top Log Interval	3039.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	555.0 (m)		BSDF
Bit Size Depth To	3283.0 (m)		BSDT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL / Prod 2	LUN, LUL
Engineer's Name	O Darby / R Sani		ENGI
Witness's Name	A. Smythe / S.Murphy		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, RSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS

Absent Valued Parameters: DPD, DPV, DPL, DPPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRTS, 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 dated 22−Nov−2004.	R1
Maximum well deviation of 61 deg at 2340.0m MDKB.	R2
Objective: To perforate interval 3039.0m to 3044.0m MDKB. Set a MPBT plug at 3046.5m MDKB	R3
and dump cement above to isolate the existing perforation at 3048.0m to 3054.0m MDKB.	R4
Run #1: Perforate interval 3039.0m to 3044.0m MDKB with 2−1/8" Powerjet 6 SPF, 45 deg phased perforating gun using SAFE.	R6
SBHP = psia, SBHT = DegF, FBHP = psia, FBHT = DegF	R7
Run #2: RIH Dummy 2−1/8" MPBT plug with GR−CCL. Tagged HUD @ m MDKB.	R8
Run #3: Set plug with MPBT with top of sealing element @ 3046.5m MDKB	R9
Run #4: RIH 2−1/8" Water Bailer. Tagged MPBT at m MDKB.	R10
Run #5: RIH 2−1/8" Cement Dump Bailer. Dumped 1.0 m of cement in 7" casing.	R11
Schlumberger Field Specialist / Engineer: O Darby / R Sani	R15
Schlumberger Operators: R Murray / K Kerr / N Simmons / G Blandford	R16

Other Services

MWP	OS1
GR−CH	OS2
DB−TT	OS3

Frame Summary File: **MPBT_100LUP** Sequence: **7**

Origin: 119

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3038.55 m	2918.92 m	−60.0 (0.1 in) up	7	TDEP	60B
	9969.00 ft	9576.50 ft				
BOREHOLE−DEPTH	3038.55 m	2918.94 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	9969.00 ft	9576.58 ft				

File Header File: **PERFO_107LUP** Sequence: **8**

Defining Origin: 41

File ID: PERFO_107LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 104 28−JUN−2008 17:22:20

Company Name:	Esso Australia Pty Ltd.
Well Name:	TNA A−15a
Field Name:	Tuna
Tool String:	CCL−LA, SHM_GUN
Computations:	WELLCAD

Error Summary File: **PERFO_107LUP** Sequence: **8**

No errors detected in file.

Well Site Data File: **PERFO_107LUP** Sequence: **8**

Origin: 41

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	TNA A−15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod2	CLAB, COUN
State:	Victoria	SLAB, STAT

State:	Victoria		STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Longitude	148 25' 06.5" E		LONG
Latitude	038 10' 16.5" S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L.	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	R.T.	Above Permanent Datum 32.9 (m)	LMF, APD
Drilling Measured From	R.T.		DMF

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

Job Data

Date as Month−Day−Year	19−Jun−2008		DATE
Run Number	1 to 5		RUN
Total Depth − Driller	3283.0 (m)		TDD
Total Depth − Logger	928.6 (m)		TDL
Bottom Log Interval	3044.0 (m)		BLI
Top Log Interval	3039.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	555.0 (m)		BSDF
Bit Size Depth To	3283.0 (m)		BSDT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL / Prod 2	LUN, LUL
Engineer's Name	O Darby / R Sani		ENGI
Witness's Name	A. Smythe / S.Murphy		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 dated 22−Nov−2004.	R1
Maximum well deviation of 61 deg at 2340.0m MDKB.	R2
Objective: To perforate interval 3039.0m to 3044.0m MDKB. Set a MPBT plug at 3046.5m MDKB	R3
and dump cement above to isolate the existing perforation at 3048.0m to 3054.0m MDKB.	R4
Run #1: Perforate interval 3039.0m to 3044.0m MDKB with 2−1/8" Powerjet 6 SPF, 45 deg phased perforating gun using SAFE.	R6
SBHP = psia, SBHT = DegF, FBHP = psia, FBHT = DegF	R7
Run #2: RIH Dummy 2−1/8" MPBT plug with GR−CCL. Tagged HUD @ m MDKB.	R8
Run #3: Set plug with MPBT with top of sealing element @ 3046.5m MDKB	R9
Run #4: RIH 2−1/8" Water Bailer. Tagged MPBT at m MDKB.	R10
Run #5: RIH 2−1/8" Cement Dump Bailer. Dumped 1.0 m of cement in 7" casing.	R11
Schlumberger Field Specialist / Engineer: O Darby / R Sani	R15
Schlumberger Operators: R Murray / K Kerr / N Simmons / G Blandford	R16

Other Services

MWP	OS1
GR−CH	OS2
DB−TT	OS3

Frame Summary File: **PERFO_107LUP** Sequence: **8**

Origin: 41

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3035.81 m 9960.00 ft	2921.66 m 9585.50 ft	−60.0 (0.1 in) up	7	TDEP	60B
BOREHOLE−DEPTH	3035.81 m 9960.00 ft	2921.53 m 9585.08 ft	−10.0 (0.1 in) up	7	TDEP;1	10B

File Header File: **PERFO_116LUP** Sequence: **9**

Defining Origin: 41

File ID: PERFO_116LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 113 29−JUN−2008 0:18:24

Company Name: Esso Australia Pty Ltd.
Well Name: TNA A−15a
Field Name: Tuna
Tool String: CCL−LA, SHM_GUN
Computations: WELLCAD

Error Summary File: **PERFO_116LUP** Sequence: **9**

No errors detected in file.

Well Site Data File: **PERFO_116LUP** Sequence: **9**

Origin: 41

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	TNA A−15a		WN
Field Name	Tuna		FN
Rig:	Crane / Prod2		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Longitude	148 25' 06.5" E		LONG
Latitude	038 10' 16.5" S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L.	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	R.T.	Above Permanent Datum 32.9 (m)	LMF, APD
Drilling Measured From	R.T.		DMF

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

Job Data

Date as Month−Day−Year	19−Jun−2008		DATE
Run Number	1 to 5		RUN
Total Depth − Driller	3283.0 (m)		TDD
Total Depth − Logger	928.6 (m)		TDL
Bottom Log Interval	3044.0 (m)		BLI
Top Log Interval	3039.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	555.0 (m)		BSDF
Bit Size Depth To	3283.0 (m)		BSDT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL / Prod 2	LUN, LUL
Engineer's Name	O Darby / R Sani		ENGI
Witness's Name	A. Smythe / S.Murphy		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 dated 22−Nov−2004.	R1
Maximum well deviation of 61 deg at 2340.0m MDKB.	R2
Objective: To perforate interval 3039.0m to 3044.0m MDKB. Set a MPBT plug at 3046.5m MDKB	R3
and dump cement above to isolate the existing perforation at 3048.0m to 3054.0m MDKB.	R4
Run #1: Perforate interval 3039.0m to 3044.0m MDKB with 2−1/8" Powerjet 6 SPF, 45 deg phased perforating gun using SAFE.	R6
SBHP = psia, SBHT = DegF, FBHP = psia, FBHT = DegF	R7
Run #2: RIH Dummy 2−1/8" MPBT plug with GR−CCL. Tagged HUD @ m MDKB.	R8
Run #3: Set plug with MPBT with top of sealing element @ 3046.5m MDKB	R9
Run #4: RIH 2−1/8" Water Bailer. Tagged MPBT at m MDKB.	R10
Run #5: RIH 2−1/8" Cement Dump Bailer. Dumped 1.0 m of cement in 7" casing.	R11
Schlumberger Field Specialist / Engineer: O Darby / R Sani	R15
Schlumberger Operators: R Murray / K Kerr / N Simmons / G Blandford	R16

Other Services

MWP	OS1
GR−CH	OS2
DB−TT	OS3

Frame Summary File: **PERFO_116LUP** Sequence: **9**

Origin: 41

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3038.25 m	2918.76 m	−60.0 (0.1 in) up	7	TDEP	60B
	9968.00	9576.00 ft				
BOREHOLE−DEPTH	3038.25	2918.79 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	9968.00	9576.08 ft				

File Header File: **MPBT_082LUP** Sequence: **10**

Defining Origin: 119

File ID: MPBT_082LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 79 28−JUN−2008 10:49:16

Company Name:	Esso Australia Pty Ltd.
Well Name:	TNA A−15a
Field Name:	Tuna
Tool String:	MPEX−BA, MPSU−BA, CCL−L
Computations:	WELLCAD

Error Summary File: **MPBT_082LUP** Sequence: **10**

No errors detected in file.

Well Site Data File: **MPBT_082LUP** Sequence: **10**

Origin: 119

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	TNA A−15a	WN
Field Name	Tuna	FN
Rig:	Crane / Prod2	CLAB, COUN

State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Longitude	148 25' 06.5" E		LONG
Latitude	038 10' 16.5" S		LATI
Maximum Hole Deviation	61.0 (deg)		MHD
Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L.	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	R.T.	Above Permanent Datum 32.9 (m)	LMF, APD
Drilling Measured From	R.T.		DMF

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

Job Data

Date as Month−Day−Year	19−Jun−2008		DATE
Run Number	1 to 5		RUN
Total Depth − Driller	3283.0 (m)		TDD
Total Depth − Logger	928.6 (m)		TDL
Bottom Log Interval	3044.0 (m)		BLI
Top Log Interval	3039.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.3 (m)		CDF
Casing Depth To	3273.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	555.0 (m)		BSDF
Bit Size Depth To	3283.0 (m)		BSDT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL / Prod 2	LUN, LUL
Engineer's Name	O Darby / R Sani		ENGI
Witness's Name	A. Smythe / S.Murphy		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	19−Jun−2008	Time Logger At Bottom 18:00	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, 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 dated 22−Nov−2004.	R1
Maximum well deviation of 61 deg at 2340.0m MDKB.	R2
Objective: To perforate interval 3039.0m to 3044.0m MDKB. Set a MPBT plug at 3046.5m MDKB	R3
and dump cement above to isolate the existing perforation at 3048.0m to 3054.0m MDKB.	R4
Run #1: Perforate interval 3039.0m to 3044.0m MDKB with 2−1/8" Powerjet 6 SPF, 45 deg phased perforating gun using SAFE.	R6
SBHP = psia, SBHT = DegF, FBHP = psia, FBHT = DegF	R7
Run #2: RIH Dummy 2−1/8" MPBT plug with GR−CCL. Tagged HUD @ m MDKB.	R8
Run #3: Set plug with MPBT with top of sealing element @ 3046.5m MDKB	R9
Run #4: RIH 2−1/8" Water Bailer. Tagged MPBT at m MDKB.	R10
Run #5: RIH 2−1/8" Cement Dump Bailer. Dumped 1.0 m of cement in 7" casing.	R11
Schlumberger Field Specialist / Engineer: O Darby / R Sani	R15
Schlumberger Operators: R Murray / K Kerr / N Simmons / G Blandford	R16

Other Services

MWP	OS1
GR−CH	OS2
DB−TT	OS3

Frame Summary File: **MPBT_082LUP** Sequence: **10**

Origin: 119

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2572.51 m	2534.56 m	−60.0 (0.1 in) up	7	TDEP	60B
	8440.00 ft	8315.50 ft				
BOREHOLE−DEPTH	2572.51	2534.59 m	−10.0 (0.1 in) up	7	TDEP:1	10B

BOREHOLE DEPTH	2572.51 8440.00	2534.90 m 8315.58 ft	10.0 (3.1 m) up	1	TDEP 1	10B

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Verification Listing

Listing Completed: 29−JUN−2008 6:00:14