

**Input Source:** D:\OP\_Folder\Clients\Eso2007\BMA\_A20\GUN\COMP\_A\_20A\_COMP\_063.DLIS  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

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

**File Header** File: **MPBT\_046LUP** Sequence: **1**

**Defining Origin: 71**

File ID: MPBT\_046LUP File Type: DEPTH LOG

Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 45 18-JUN-2007 0:39:47

Company Name: Esso Australia Pty Ltd.  
Well Name: A-20  
Field Name: Bream A  
Tool String: MPEX-BA, MPSU-CA, CCL-I  
Computations: WELLCAD

**Error Summary** File: **MPBT\_046LUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **MPBT\_046LUP** Sequence: **1**

**Origin: 71**

**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07328230	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 32.8 (m)	

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

**Job Data**

Date as Month-Day-Year	17-Jun-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2235.0 (m)	TDD
Total Depth - Logger	2235.0 (m)	TDL
Bottom Log Interval	2228.0 (m)	BLI
Top Log Interval	2150.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	17-Jun-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright & S Gilbert.	ENGI
Witness's Name	B White & B Robinson.	WITN
Service Order Number	Ausl07328230	SON
	Time Logger At Bottom 20:21	
	Logging Unit Location Prod4 / Ausl	

Absent Valued Parameters: BSDF, BSDT

**Mud Data**

Drilling Fluid Type

Maximum Recorded Temperature

Date Logger At Bottom

Production Fluids

204.0 (degF)

204.0 (degF)

17-Jun-2007

Time Logger At Bottom

20:21

DFT

MRT

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 ExxonMobil composite supplied with logging program.

Maximum well deviation = 57 degrees at 869.3m MDKB.

Objective:Perforate the well using a 1.5m 2 1/8" 45deg Phased Powerjet gun over the interval 2224m to 2225.5m MDKB. Set 7" Posiset Plug with top of seal @ 2228m MDKB with approx 1m of Cement on top .

Before Gun- SBHP: 2611 psia SBHT: 208degf

After Gun- SBHP: psia SBHT: degf

Top Shot @ 2224m MDKB

CCL to Top Shot = 4.1m

CCL Stop Depth = 2219.9m MDKB

Top of Seal @ 2228m MDKB

CCL to Top of Seal = 7m

CCL Stop Depth = 2221m MDKB

Crew : J Annear,A Hall,P Lawrence,C Shiells.

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R12

R13

R15

Other Services

RST-C

Sigma Survey

OS1

OS2

OS3

Frame Summary						
File: MPBT_046LUP		Sequence: 1				
Origin: 71						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2209.34	2172.16 m	-60.0 (0.1 in) up	7	TDEP	60B
	7248.50	7126.50 ft				
BOREHOLE-DEPTH	2209.34	2172.18 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	7248.50	7126.58 ft				

File Header

File: MPBT\_048LUP

Sequence: 2

Defining Origin: 71

File ID: MPBT\_048LUP File Type: DEPTH LOG

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

File Set: 41

File Number: 47

18-JUN-2007 0:53:42

Company Name: Esso Australia Pty Ltd.

Well Name: A-20

Field Name: Bream A

Tool String: MPEX-BA, MPSU-CA, CCL-I

Computations: WELLCAD

Error Summary		
File: MPBT_048LUP		Sequence: 2
No errors detected in file.		

Well Site Data

File: MPBT\_048LUP

Sequence: 2

Origin: 71

## Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07328230	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
Elevation of Permanent Datum 0.0 (m)		
Above Permanent Datum 32.8 (m)		

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

## Job Data

Date as Month-Day-Year	17-Jun-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2235.0 (m)	TDD
Total Depth - Logger	2235.0 (m)	TDL
Bottom Log Interval	2228.0 (m)	BLI
Top Log Interval	2150.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	17-Jun-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright & S Gilbert.	ENGI
Witness's Name	B White & B Robinson.	WITN
Service Order Number	Ausl07328230	SON
Time Logger At Bottom 20:21		
Logging Unit Location Prod4 / Ausl		

Absent Valued Parameters: BSDF, BSDT

## Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	204.0 (degF)	MRT
	204.0 (degF)	MRT1
Date Logger At Bottom	17-Jun-2007	DLAB, TLAB
Time Logger At Bottom 20:21		

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

## PVT Data

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

## Cement Data

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

## Remarks

Log correlated to ExxonMobil composite supplied with logging program.	R1
Maximum well deviation = 57 degrees at 869.3m MDKB.	R2
Objective:Perforate the well using a 1.5m 2 1/8" 45deg Phased Powerjet gun	R3
over the interval 2224m to 2225.5m MDKB. Set 7" Posiset Plug with top of seal	R4
@ 2228m MDKB with approx 1m of Cement on top .	R5
Before Gun- SBHP: 2611 psia SBHT: 208degf	R6
After Gun- SBHP: psia SBHT: degf	R7
Top Shot @ 2224m MDKB	R8
CCL to Top Shot = 4.1m	R9
CCL Stop Depth = 2219.9m MDKB	R10
Top of Seal @ 2228m MDKB	R11
CCL to Top of Seal = 7m	R12
CCL Stop Depth = 2221m MDKB	R13
Crew : J Annear,A Hall,P Lawrence,C Shiells.	R15

## Other Services

RST-C	OS1
Sigma Survey	OS2
	OS3

000						
Frame Summary      File: MPBT_048LUP      Sequence: 2						
Origin: 71						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	12192.00	11836.15 m	-60.0 (0.1 in) up	7	TDEP	60B
	40000.00	38832.50 ft				
BOREHOLE-DEPTH	12192.00	11836.02 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00	38832.08 ft				

File Header		File: MPBT_049LUP		Sequence: 3	
Defining Origin: 71					
File ID: MPBT_049LUP   File Type: DEPTH LOG					
Producer Name: Schlumberger		Product/Version: OP 14C0-302		File Set: 41	File Number: 48      18-JUN-2007 1:19:04
Company Name:		Esso Australia Pty Ltd.			
Well Name:		A-20			
Field Name:		Bream A			
Tool String:		MPEX-BA, MPSU-CA, CCL-I			
Computations:		WELLCAD			

Error Summary      File: MPBT_049LUP      Sequence: 3		
No errors detected in file.		

Well Site Data      File: MPBT_049LUP      Sequence: 3		
Origin: 71		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07328230	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN		
Job Data		
Date as Month-Day-Year	17-Jun-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2235.0 (m)	TDD
Total Depth - Logger	2235.0 (m)	TDL
Bottom Log Interval	2228.0 (m)	BLI
Top Log Interval	2150.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS

Date Logger At Bottom17-Jun-2007

Logging Unit Number889

Engineer's NameG Wright & S Gilbert.

Witness's NameB White & B Robinson.

Service Order NumberAusl07328230

Time Logger At Bottom20:21

Logging Unit LocationProd4 / Ausl

DLAB, TLAB

LUN, LUL

ENGI

WITN

SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid TypeProduction Fluids

Maximum Recorded Temperature204.0 (degF)

204.0 (degF)

Date Logger At Bottom17-Jun-2007

Time Logger At Bottom20:21

DFT

MRT

MRT1

DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job TypePrimary

CJT

Absent Valued Parameters: CTOP, CASN, LCMT, LCV0, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Remarks

Log correlated to ExxonMobil composite supplied with logging program.

Maximum well deviation = 57 degrees at 869.3m MDKB.

Objective:Perforate the well using a 1.5m 2 1/8" 45deg Phased Powerjet gun over the interval 2224m to 2225.5m MDKB. Set 7" Posiset Plug with top of seal @ 2228m MDKB with approx 1m of Cement on top .

Befor Gun- SBHP: 2611 psia SBHT: 208degf

After Gun- SBHP: psia SBHT: degf

Top Shot @ 2224m MDKB

CCL to Top Shot = 4.1m

CCL Stop Depth = 2219.9m MDKB

Top of Seal @ 2228m MDKB

CCL to Top of Seal = 7m

CCL Stop Depth = 2221m MDKB

Crew : J Annear,A Hall,P Lawrence,C Shiells.

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R12

R13

R15

Other Services

RST-C

Sigma Survey

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OS1

OS2

OS3

Frame Summary      File: MPBT_049LUP      Sequence: 3						
Origin: 71						
<div>Index Type</div>	<div>Start</div>	<div>Stop</div>	<div>Spacing</div>	<div>Channels</div>	<div>Index Channel</div>	<div>Frame Name</div>
BOREHOLE-DEPTH	2220.93	2147.62 m	-60.0 (0.1 in) up	7	TDEP	60B
	7286.50	7046.00 ft				
BOREHOLE-DEPTH	2220.93	2147.65 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	7286.50	7046.08 ft				

File Header

File: PERFO\_029LUP

Sequence: 4

Defining Origin: 117

File ID: PERFO\_029LUP

File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 28

17-JUN-2007 20:47:20

Company Name: Esso Australia Pty Ltd.

Well Name: A-20

Field Name: Bream A

Tool String: MWP\_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD, BORDYN

Error Summary      File: PERFO_029LUP      Sequence: 4		
No errors detected in file.		

Well Site Data

File: PERFO\_029LUP

Sequence: 4

Origin: 117

Well Data

Company Name: Esso Australia Pty Ltd.

Company Name	Ezzo Australia Pty Ltd.	CN
Well Name	A-20	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07328230	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
Elevation of Permanent Datum 0.0 (m)		
Above Permanent Datum 32.8 (m)		

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

Job Data

Date as Month–Day–Year	17–Jun–2007		DATE
Run Number	One		RUN
Total Depth – Driller	2235.0 (m)		TDD
Total Depth – Logger	2235.0 (m)		TDL
Bottom Log Interval	2228.0 (m)		BLI
Top Log Interval	2150.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.2 (m)		CDF
Casing Depth To	2309.0 (m)		CADT
Casing Grade	L–80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	17–Jun–2007	Time Logger At Bottom 20:21	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod4 / Ausl	LUN, LUL
Engineer's Name	G Wright & S Gilbert.		ENGI
Witness's Name	B White & B Robinson.		WITN
Service Order Number	Ausl07328230		SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	204.0 (degF)		MRT
	204.0 (degF)		MRT1
Date Logger At Bottom	17–Jun–2007	Time Logger At Bottom 20:21	DLAB, TLAB

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

PVT Data

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

Cement Data

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

Remarks

Log correlated to ExxonMobil composite supplied with logging program.	R1
Maximum well deviation = 57 degrees at 869.3m MDKB.	R2
Objective:Perforate the well using a 1.5m 2 1/8" 45deg Phased Powerjet gun	R3
over the interval 2224m to 2225.5m MDKB. Set 7" Posiset Plug with top of seal	R4
@ 2228m MDKB with approx 1m of Cement on top .	R5
Before Gun– SBHP: psia SBHT: degf	R6
After Gun– SBHP: psia SBHT: degf	R7
Top Shot @ 2224m MDKB	R8
CCL to Top Shot = 4.1m	R9
CCL Stop Depth = 2219.9m MDKB	R10
Top of Seal @ 2228m MDKB	R11
CCL to Top of Seal = 7.2m	R12
CCL Stop Depth = 2220.8m MDKB	R13
Crew : J Annear,A Hall,P Lawrence,C Shiells.	R15

Other Services

RST–C	OS1
Sigma Survey	OS2
.	OS3

Origin: 117

<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	2220.77 7286.00	2169.72 m 7118.50 ft	-60.0 (0.1 in) up	22	TDEP	60B
BOREHOLE-DEPTH	2220.77 7286.00	2169.74 m 7118.58 ft	-10.0 (0.1 in) up	10	TDEP,1	10B

Defining Origin: 117

File ID: PERFO_031LUP	File Type: DEPTH LOG				
Producer Name: Schlumberger	Product/Version: OP 14C0-302	File Set: 41	File Number: 30	17-JUN-2007 21:00:33	
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A-20				
Field Name:	Bream A				
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA				
Computations:	WELLCAD, BORDYN				

No errors detected in file.

Origin: 117

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-20		WN
Field Name	Bream A		FN
Rig :	Prod4 / Crane		CLAB, COUN
State :	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	Ausl07328230		SON
Longitude	147 46'15"E		LONG
Latitude	038 30'04"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	32.8 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	32.8 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 32.8 (m)	LMF, APD
Drilling Measured From	D.F		DMF

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

Job Data

Date as Month-Day-Year	17-Jun-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2235.0 (m)	TDD
Total Depth - Logger	2235.0 (m)	TDL
Bottom Log Interval	2228.0 (m)	BLI
Top Log Interval	2150.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI

Bit Size	8.50 (in)	Time Logger At Bottom	20:21	BS
Date Logger At Bottom	17-Jun-2007	Logging Unit Location	Prod4 / Ausl	DLAB, TLAB
Logging Unit Number	889			LUN, LUL
Engineer's Name	G Wright & S Gilbert.			ENGI
Witness's Name	B White & B Robinson.			WITN
Service Order Number	Ausl07328230			SON
Absent Valued Parameters: BSDF, BSDT				
<b>Mud Data</b>				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	204.0 (degF)			MRT
	204.0 (degF)			MRT1
Date Logger At Bottom	17-Jun-2007	Time Logger At Bottom	20:21	DLAB, TLAB
Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS				
<b>PVT Data</b>				
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR				
<b>Cement Data</b>				
Cement Job Type	Primary			CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA				
<b>Remarks</b>				
Log correlated to ExxonMobil composite supplied with logging program.				R1
Maximum well deviation = 57 degrees at 869.3m MDKB.				R2
Objective:Perforate the well using a 1.5m 2 1/8" 45deg Phased Powerjet gun				R3
over the interval 2224m to 2225.5m MDKB. Set 7" Posiset Plug with top of seal				R4
@ 2228m MDKB with approx 1m of Cement on top .				R5
Before Gun- SBHP: psia SBHT: degf				R6
After Gun- SBHP: psia SBHT: degf				R7
Top Shot @ 2224m MDKB				R8
CCL to Top Shot = 4.1m				R9
CCL Stop Depth = 2219.9m MDKB				R10
Top of Seal @ 2228m MDKB				R11
CCL to Top of Seal = 7.2m				R12
CCL Stop Depth = 2220.8m MDKB				R13
Crew : J Annear,A Hall,P Lawrence,C Shiells.				R15
<b>Other Services</b>				
RST-C				OS1
Sigma Survey				OS2
.				OS3

<b>Frame Summary</b> File: <b>PERFO_031LUP</b> Sequence: <b>5</b>						
<b>Origin: 117</b>						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	2224.43	2143.35 m	-60.0 (0.1 in) up	22	TDEP	60B
	7298.00	7032.00 ft				
BOREHOLE-DEPTH	2224.43	2143.38 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	7298.00	7032.08 ft				

<b>File Header</b>		File: <b>PERFO_032LTP</b>	Sequence: <b>6</b>
<b>Defining Origin: 117</b>			
File ID: PERFO_032LTP    File Type: STATION			
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41
		File Number: 31	17-JUN-2007 21:02:29
Company Name:	Esso Australia Pty Ltd.		
Well Name:	A-20		
Field Name:	Bream A		
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA		
Computations:	WELLCAD, BORDYN		

<b>Error Summary</b> File: <b>PERFO_032LTP</b> Sequence: <b>6</b>		
No errors detected in this file.		

**Well Site Data**File: **PERFO\_032LTP** Sequence: **6****Origin: 117****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-20	WN
Field Name	Bream A	FN
Rig :	Prod4 / Crane	CLAB, COUN
State :	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl07328230	SON
Longitude	147 46'15"E	LONG
Latitude	038 30'04"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	32.8 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	32.8 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 32.8 (m)	

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

**Job Data**

Date as Month-Day-Year	17-Jun-2007	DATE
Run Number	One	RUN
Total Depth - Driller	2235.0 (m)	TDD
Total Depth - Logger	2235.0 (m)	TDL
Bottom Log Interval	2228.0 (m)	BLI
Top Log Interval	2150.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.2 (m)	CDF
Casing Depth To	2309.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Date Logger At Bottom	17-Jun-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright & S Gilbert.	ENGI
Witness's Name	B White & B Robinson.	WITN
Service Order Number	Ausl07328230	SON
	Time Logger At Bottom 20:21	
	Logging Unit Location Prod4 / Ausl	

Absent Valued Parameters: BSDF, BSDT

**Mud Data**

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	204.0 (degF)	MRT
	204.0 (degF)	MRT1
Date Logger At Bottom	17-Jun-2007	DLAB, TLAB
	Time Logger At Bottom 20:21	

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

**PVT Data**

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

**Cement Data**

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

**Remarks**

Log correlated to ExxonMobil composite supplied with logging program.	R1
Maximum well deviation = 57 degrees at 869.3m MDKB.	R2
Objective: Perforate the well using a 1.5m 2 1/8" 45deg Phased Powerjet gun	R3
over the interval 2224m to 2225.5m MDKB. Set 7" Posiset Plug with top of seal	R4
@ 2228m MDKB with approx 1m of Cement on top .	R5
Before Gun- SBHP: psia SBHT: degf	R6
After Gun- SBHP: psia SBHT: degf	R7
Top Shot @ 2224m MDKB	R8
CCL to Top Shot = 4.1m	R9
CCL Stop Depth = 2219.9m MDKB	R10
Top of Seal @ 2228m MDKB	R11
CCL to Top of Seal = 7.2m	R12

CCL Stop Depth = 2220.8m MDKB						R13
Crew : J Annear,A Hall,P Lawrence,C Shiells.						R15
Other Services						
RST-C						OS1
Sigma Survey						OS2
.						OS3

Frame Summary						
File: PERFO_032LTP		Sequence: 6				

Origin: 117						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	3043.29	4768.29 s	2000.0 (0.5 ms)	5	TIME;2	2000T
TIME	3043.29	4768.29 s	1000.0 (0.5 ms)	14	TIME;3	1000T
TIME	3043.29	4768.54 s	500.0 (0.5 ms)	4	TIME;4	500T

File Header						
File: PERFO_057LUP		Sequence: 7				

Defining Origin: 41						
File ID: PERFO_057LUP File Type: DEPTH LOG						
Producer Name: Schlumberger		Product/Version: OP 14C0-302		File Set: 41	File Number: 56	18-JUN-2007 3:30:31
Company Name:		Esso Australia Pty Ltd.				
Well Name:		A-20				
Field Name:		Bream A				
Tool String:		SHM_GUN, CCL-L				
Computations:		WELLCAD				

Error Summary						
File: PERFO_057LUP		Sequence: 7				

No errors detected in file.						
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Well Site Data						
File: PERFO_057LUP		Sequence: 7				

Origin: 41						
Well Data						
Company Name		Esso Australia Pty Ltd.				CN
Well Name		A-20				WN
Field Name		Bream A				FN
Rig :		Prod4 / Crane				CLAB, COUN
State :		Victoria				SLAB, STAT
Nation		Australia				NATI
Field Location		Gippsland				FL
		Basin				FL1
		Bass Strait				FL2
Service Order Number		AusI07328230				SON
Longitude		147 46'15"E				LONG
Latitude		038 30'04"S				LATI
Maximum Hole Deviation		57.0 (deg)				MHD
Elevation of Kelly Bushing		32.8 (m)				EKB
Elevation of Ground Level		-59.0 (m)				EGL
Elevation of Derrick Floor		32.8 (m)				EDF
Permanent Datum		M.S.L		Elevation of Permanent Datum 0.0 (m)		PDAT, EPD
Log Measured From		D.F		Above Permanent Datum 32.8 (m)		LMF, APD
Drilling Measured From		D.F		DMF		
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN						

Job Data						
Date as Month-Day-Year		17-Jun-2007				DATE
Run Number		One				RUN
Total Depth - Driller		2235.0 (m)				TDD
Total Depth - Logger		2235.0 (m)				TDL
Bottom Log Interval		2228.0 (m)				BLI
Top Log Interval		2150.0 (m)				TLI
Current Casing Size		7.00 (in)				CSIZ
Casing Depth From		12.2 (m)				CDF
Casing Depth To		2309.0 (m)				CADT
Casing Grade		L-80				CASG
Casing Weight		26.0 (lbm/ft)				CWEI
Bit Size		8.50 (in)				BS
Date Logger At Bottom		17-Jun-2007		Time Logger At Bottom 20:21		DLAB, TLAB
Logging Unit Number		889		Logging Unit Location Prod4 / Ausl		LIUN, LIUL

Logging Unit Number:003

Engineer's Name:G Wright & S Gilbert.

Witness's Name:B White & B Robinson.

Service Order Number:Ausl07328230

Logging Unit Location:110047 Ausl

LOGN, LOGE

ENGI

WITN

SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type

Production Fluids

Maximum Recorded Temperature

204.0 (degF)

204.0 (degF)

Date Logger At Bottom

17-Jun-2007

Time Logger At Bottom

20:21

DFT

MRT

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 ExxonMobil composite supplied with logging program.

Maximum well deviation = 57 degrees at 869.3m MDKB.

Objective:Perforate the well using a 1.5m 2 1/8" 45deg Phased Powerjet gun over the interval 2224m to 2225.5m MDKB. Set 7" Posiset Plug with top of seal @ 2228m MDKB with approx 1m of Cement on top .

Befor Gun- SBHP: 2611 psia SBHT: 208degf

After Gun- SBHP: psia SBHT: degf

Top Shot @ 2224m MDKB

CCL to Top Shot = 4.1m

CCL Stop Depth = 2219.9m MDKB

Top of Seal @ 2228m MDKB

CCL to Top of Seal = 7m

CCL Stop Depth = 2221m MDKB

Crew : J Annear,A Hall,P Lawrence,C Shiells.

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R12

R13

R15

Other Services

RST-C

Sigma Survey

OS1

OS2

OS3

Frame Summary						
File: PERFO_057LUP		Sequence: 7				
Origin: 41						
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	2215.74	2149.60 m	-60.0 (0.1 in) up	7	TDEP	60B
	7269.50	7052.50 ft				
BOREHOLE-DEPTH	2215.74	2149.63 m	-10.0 (0.1 in) up	7	TDEP,1	10B
	7269.50	7052.58 ft				

File Header

File: PERFO\_060LUP

Sequence: 8

Defining Origin: 41

File ID: PERFO\_060LUP

File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 59

18-JUN-2007 5:09:55

Company Name: Esso Australia Pty Ltd.

Well Name: A-20

Field Name: Bream A

Tool String: SHM\_GUN, CCL-L

Computations: WELLCAD

Error Summary

File: PERFO\_060LUP

Sequence: 8

Origin: 41

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-20		WN
Field Name	Bream A		FN
Rig :	Prod4 / Crane		CLAB, COUN
State :	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	Ausl07328230		SON
Longitude	147 46'15"E		LONG
Latitude	038 30'04"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	32.8 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	32.8 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum    0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum    32.8 (m)	LMF, APD
Drilling Measured From	D.F		DMF

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

Job Data

Date as Month-Day-Year	17-Jun-2007		DATE
Run Number	One		RUN
Total Depth - Driller	2235.0 (m)		TDD
Total Depth - Logger	2235.0 (m)		TDL
Bottom Log Interval	2228.0 (m)		BLI
Top Log Interval	2150.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.2 (m)		CDF
Casing Depth To	2309.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	17-Jun-2007	Time Logger At Bottom    20:21	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location    Prod4 / Ausl	LUN, LUL
Engineer's Name	G Wright & S Gilbert.		ENGI
Witness's Name	B White & B Robinson.		WITN
Service Order Number	Ausl07328230		SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	204.0 (degF)		MRT
	204.0 (degF)		MRT1
Date Logger At Bottom	17-Jun-2007	Time Logger At Bottom    20:21	DLAB, TLAB

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

PVT Data

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

Cement Data

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

Remarks

Log correlated to ExxonMobil composite supplied with logging program.	R1
Maximum well deviation = 57 degrees at 869.3m MDKB.	R2
Objective:Perforate the well using a 1.5m 2 1/8" 45deg Phased Powerjet gun	R3
over the interval 2224m to 2225.5m MDKB. Set 7" Posiset Plug with top of seal	R4
@ 2228m MDKB with approx 1m of Cement on top .	R5
Before Gun- SBHP: 2611 psia    SBHT: 208degf	R6
After Gun- SBHP: psia    SBHT: degf	R7
Top Shot @ 2224m MDKB	R8
CCL to Top Shot = 4.1m	R9
CCL Stop Depth = 2219.9m MDKB	R10
Top of Seal @ 2228m MDKB	R11
CCL to Top of Seal = 7m	R12

CCL to Top of Seal = 7m  
CCL Stop Depth = 2221m MDKB  
Crew : J Annear,A Hall,P Lawrence,C Shiells.

R12  
R13  
R15

## Other Services

RST-C  
Sigma Survey  
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OS1  
OS2  
OS3

## Frame Summary

File: **PERFO\_060LUP** Sequence: **8**

### Origin: 41

<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>	<u>Channels</u>	<u>Index Channel</u>	<u>Frame Name</u>
BOREHOLE-DEPTH	2215.29 7268.00	2149.14 m 7051.00 ft	-60.0 (0.1 in) up	7	TDEP	60B
BOREHOLE-DEPTH	2215.29 7268.00	2149.17 m 7051.08 ft	-10.0 (0.1 in) up	7	TDEP;1	10B



## Verification Listing

**Listing Completed:** 18-JUN-2007 5:31:03