

Input Source: D:\OP_Folder\Clients\Ess02008\FLA_A24a\GUN\FLA A24a Mwp_Ener 3-Feb-08\Dis\COMP_FLA_A24A_MWP_ENER_3FEB08_026.DLI
Format: DLIS **Max Record Length:** 8192
Storage Set ID: Default Storage Set **Storage Unit Sequence:** 1

File Header File: **PERFO_017LUP** Sequence: **1****Defining Origin: 64**

File ID: PERFO_017LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 16

3-FEB-2008 20:09:32

Company Name: Esso Australia Pty Ltd.

Well Name: A-24a

Field Name: Flounder

Tool String: MWP_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_017LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_017LUP** Sequence: **1****Origin: 64****Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-24a	WN
Field Name	Flounder	FN
Rig:	Mast	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL07336277	SON
Longitude	148° 06' 15.10"E	LONG
Latitude	38° 18' 45.24"S	LATI
Maximum Hole Deviation	47.0 (deg)	MHD
Elevation of Kelly Bushing	33.8 (m)	EKB
Elevation of Ground Level	93.0 (m)	EGL
Elevation of Derrick Floor	33.8 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 33.8 (m)	

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

Job Data

Date as Month-Day-Year	3-Feb-2008	DATE
Run Number	1	RUN
Total Depth - Driller	3193.0 (m)	TDD
Total Depth - Logger	3128.5 (m)	TDL
Bottom Log Interval	3103.2 (m)	BLI
Top Log Interval	3102.5 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	13.5 (m)	CDF
Casing Depth To	3186.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	662.0 (m)	BSDF
Bit Size Depth To	3193.0 (m)	BSDT
Date Logger At Bottom	3-Feb-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert / C.Rowand	ENGI
Witness's Name	B White / J.DiGiouanni	WITN
Service Order Number	AUSL07336277	SON
	Time Logger At Bottom 11:00	
	Logging Unit Location Prod 4 / AUSL	

Mud Data

Mud Data		Production Fluids		DFT
Drilling Fluid Type		226.0 (degF)		MRT
Maximum Recorded Temperature		230.0 (degF)		MRT1
Date Logger At Bottom	3-Feb-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 interval 3102.5m 3103.2m MDKB				R2
using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.				R3
Maximum Well Deviation - 47deg @ 630m MDKB				R4
Perforation interval: 3102.5m to 3103.2m MDKB.				R5
CCL to top shot = 3.50 m				R6
CCL Stop Depth = 3099.00 m MDKB				R7
Before gun shot: SBHT = 230.2 degF SBHP = 3089.4 psia				R8
After gun shot: SBHT = 231.3degF SBHP = 3090.0 psia				R9
Schlumberger crews: P.Lawrence, Z Casey, G Martin, C Shiells				R17
Other Services				
None				OS1

Channels											File: PERFO_017LUP	Sequence: 1
Origin: 64												
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL												
Spacing: -6.0 in				Number of Channels: 10								
CSGP	DPRE	DTEM	ESGP	ETIM	PSGP	SGP	SGPA	SGPT	TEMP_MWPT			
Spacing: -1.0 in				Number of Channels: 4								
CCL	CCL_COR	FCCL	RCCL									
MWGT-AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL												
Spacing: -6.0 in				Number of Channels: 2								
GR	RGR											
System and Miscellaneous												
Spacing: -6.0 in				Number of Channels: 10								
BHPR	BS	CS	CVEL	GTEM	TDEP	TENS	TIME	TOD7_DL TOJ_DL				
Spacing: -1.0 in				Number of Channels: 6								
IDWD	SCCL	SCD	SCDV	TDEP;1	TIME;1							

Frame Summary							File: PERFO_017LUP	Sequence: 1
Origin: 64								
<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	3124.05	3044.80 m	-60.0 (0.1 in) up	22	TDEP		60B	
	10249.50	9989.50 ft						
BOREHOLE-DEPTH	3124.05	3044.82 m	-10.0 (0.1 in) up	10	TDEP;1		10B	
	10249.50	9989.58 ft						

File Header	File: PERFO_018LUP	Sequence: 2			
Defining Origin: 64					
File ID: PERFO_018LUP File Type: DEPTH LOG					
Producer Name: Schlumberger		Product/Version: OP 15C0-309	File Set: 41	File Number: 17	3-FEB-2008 20:27:36
Company Name:		Esso Australia Pty Ltd.			
Well Name:		A-24a			
Field Name:		Flounder			
Tool String:		MWP_GUN, MWPT-CA, MWGT-AA			
Computations:		WELL CAD, BORDYN			

Computations: WELLLOG, BORD IN
Error Summary File: PERFO_018LUP Sequence: 2
No errors detected in file.

Well Site Data File: PERFO_018LUP Sequence: 2
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Origin: 64

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-24a		WN
Field Name	Flounder		FN
Rig:	Mast		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	AUSL07336277		SON
Longitude	148° 06' 15.10"E		LONG
Latitude	38° 18' 45.24"S		LATI
Maximum Hole Deviation	47.0 (deg)		MHD
Elevation of Kelly Bushing	33.8 (m)		EKB
Elevation of Ground Level	93.0 (m)		EGL
Elevation of Derrick Floor	33.8 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m) PDAT, EPD
Log Measured From	K.B	Above Permanent Datum	33.8 (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	3-Feb-2008		DATE
Run Number	1		RUN
Total Depth – Driller	3193.0 (m)		TDD
Total Depth – Logger	3128.5 (m)		TDL
Bottom Log Interval	3103.2 (m)		BLI
Top Log Interval	3102.5 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	13.5 (m)		CDF
Casing Depth To	3186.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	662.0 (m)		BSDF
Bit Size Depth To	3193.0 (m)		BSDT
Date Logger At Bottom	3-Feb-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 / C.Rowand		ENGI
Witness's Name	B White / J.DiGiouanni		WITN
Service Order Number	AUSL07336277		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	226.0 (degF)		MRT
	230.0 (degF)		MRT1
Date Logger At Bottom	3-Feb-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
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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 interval 3102.5m 3103.2m MDKB		R2
using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.		R3
Maximum Well Deviation – 47deg @ 630m MDKB		R4
Perforation interval: 3102.5m to 3103.2m MDKB.		R5
CCL to top shot = 3.50 m		R6
CCL Stop Depth = 3099.00 m MDKB		R7
Perforation shot: SPHT = 226.2 degF, SPUB = 228.4 psi		R8

Before gun shot: SBHT = 230.2 degF SBHP = 3089.4 psia	R8
After gun shot: SBHT = 231.3degF SBHP = 3090.0 psia	R9
Schlumberger crews: P.Lawrence, Z Casey, G Martin, C Shiells	R17
Other Services	
None	OS1

Channels	File: PERFO_018LUP	Sequence: 2
Origin: 64		
MWPT-CA: MEASUREMENT WHILE PERFORATING TOOL		
Spacing: -6.0 in	Number of Channels: 10	
CSGP DPRE DTEM ESGP ETIM PSGP SGP SGPA SGPT TEMP_MWPT		
Spacing: -1.0 in	Number of Channels: 4	
CCL CCL_COR FCCL RCCL		
MWGT-AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL		
Spacing: -6.0 in	Number of Channels: 2	
GR RGR		
System and Miscellaneous		
Spacing: -6.0 in	Number of Channels: 10	
BHPR BS CS CVEL GTEM TDEP TENS TIME TOD7_DL TOJ_DL		
Spacing: -1.0 in	Number of Channels: 6	
IDWD SCCL SCD SCDV TDEP;1 TIME;1		

Frame Summary		File: PERFO_018LUP		Sequence: 2		
Origin: 64						
<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	3124.05	3096.62 m	-60.0 (0.1 in) up	22	TDEP	60B
	10249.50	10159.50 ft				
BOREHOLE-DEPTH	3124.05	3096.64 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	10249.50	10159.58 ft				

File Header	File: PERFO_021LUP	Sequence: 3
Defining Origin: 64		
File ID: PERFO_021LUP	File Type: DEPTH LOG	
Producer Name: Schlumberger	Product/Version: OP 15C0-309	File Set: 41
		File Number: 20
		3-FEB-2008 21:04:42
Company Name:	Esso Australia Pty Ltd.	
Well Name:	A-24a	
Field Name:	Flounder	
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA	
Computations:	WELLCAD, BORDYN	

Error Summary	File: PERFO_021LUP	Sequence: 3
No errors detected in file.		

Well Site Data	File: PERFO_021LUP	Sequence: 3
Origin: 64		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-24a	WN
Field Name	Flounder	FN
Rig:	Mast	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL07336277	SON
Longitude	148° 06' 15.10"E	LONG

Latitude	38° 18' 45.24"S		LATI	
Maximum Hole Deviation	47.0 (deg)		MHD	
Elevation of Kelly Bushing	33.8 (m)		EKB	
Elevation of Ground Level	93.0 (m)		EGL	
Elevation of Derrick Floor	33.8 (m)		EDF	
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum	33.8 (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	3–Feb–2008			DATE
Run Number	1			RUN
Total Depth – Driller	3193.0 (m)			TDD
Total Depth – Logger	3128.5 (m)			TDL
Bottom Log Interval	3103.2 (m)			BLI
Top Log Interval	3102.5 (m)			TLI
Current Casing Size	7.00 (in)			CSIZ
Casing Depth From	13.5 (m)			CDF
Casing Depth To	3186.0 (m)			CADT
Casing Grade	L–80			CASG
Casing Weight	26.0 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	662.0 (m)			BSDF
Bit Size Depth To	3193.0 (m)			BSDT
Date Logger At Bottom	3–Feb–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 / C.Rowand			ENGI
Witness's Name	B White / J.DiGiouanni			WITN
Service Order Number	AUSL07336277			SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	226.0 (degF)		MRT
	230.0 (degF)		MRT1
Date Logger At Bottom	3-Feb-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
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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 interval 3102.5m 3103.2m MDKB	R2
using 2–1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.	R3
Maximum Well Deviation – 47deg @ 630m MDKB	R4
Perforation interval: 3102.5m to 3103.2m MDKB.	R5
CCL to top shot = 3.50 m	R6
CCL Stop Depth = 3099.00 m MDKB	R7
Before gun shot: SBHT = 230.2 degF SBHP = 3089.4 psia	R8
After gun shot: SBHT = 231.3degF SBHP = 3090.0 psia	R9
Schlumberger crews: P.Lawrence, Z Casey, G Martin, C Shiells	R17

Other Services

None	OS1
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Channels File: PERFO_021LUP Sequence: 3

Origin: 64

MWPT–CA: MEASUREMENT WHILE PERFORATING TOOL

Spacing: –6.0 in	Number of Channels: 10
CSGP DPRE DTEM ESGP ETIM PSGP SGP SGPA SGPT TEMP_MWPT	
Spacing: –1.0 in	Number of Channels: 4
CCL CCL_COR FCCL RCCL	

MWGT–AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL

Spacing: –6.0 in	Number of Channels: 2
GR RGR	

System and Miscellaneous

Spacing: –6.0 in	Number of Channels: 10
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BHPR	BS	CS	CVEL	GTEM	TDEP	TENS	TIME	TOD7_DL	TOJ_DL
Spacing: −1.0 in		Number of Channels: 6							
IDWD	SCCL	SCD	SCDV	TDEP;1	TIME;1				

Frame Summary		File: PERFO_021LUP	Sequence: 3			
Origin: 64						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3098.90	3043.12 m	−60.0 (0.1 in) up	22	TDEP	60B
	10167.00	9984.00 ft				
BOREHOLE-DEPTH	3098.90	3043.15 m	−10.0 (0.1 in) up	10	TDEP;1	10B
	10167.00	9984.08 ft				

File Header		File: PERFO_020LTP	Sequence: 4
Defining Origin: 64			
File ID: PERFO_020LTP		File Type: STATION	
Producer Name: Schlumberger		Product/Version: OP 15C0-309	File Set: 41
		File Number: 19	3-FEB-2008 20:38:51
Company Name:	Esso Australia Pty Ltd.		
Well Name:	A-24a		
Field Name:	Flounder		
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA		
Computations:	WELLCAD, BORDYN		

Error Summary		File: PERFO_020LTP	Sequence: 4
No errors detected in file.			

Well Site Data

File: PERFO_020LTP

Sequence: 4

Origin: 64

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-24a	WN
Field Name	Flounder	FN
Rig:	Mast	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL07336277	SON
Longitude	148° 06' 15.10"E	LONG
Latitude	38° 18' 45.24"S	LATI
Maximum Hole Deviation	47.0 (deg)	MHD
Elevation of Kelly Bushing	33.8 (m)	EKB
Elevation of Ground Level	93.0 (m)	EGL
Elevation of Derrick Floor	33.8 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF

Elevation of Permanent Datum 0.0 (m)

Above Permanent Datum 33.8 (m)

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

Job Data

Date as Month-Day-Year	3-Feb-2008	DATE
Run Number	1	RUN
Total Depth - Driller	3193.0 (m)	TDD
Total Depth - Logger	3128.5 (m)	TDL
Bottom Log Interval	3103.2 (m)	BLI
Top Log Interval	3102.5 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	13.5 (m)	CDF
Casing Depth To	3186.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI

Bit Size

Bit Size Depth From

Bit Size Depth To

Date Logger At Bottom

Logging Unit Number

Engineer's Name

Witness's Name

Service Order Number

8.50 (in)

662.0 (m)

3193.0 (m)

3–Feb–2008

889

S Gilbert / C.Rowand

B White / J.DiGiouanni

AUSL07336277

BS

BSDF

BSDT

DLAB, TLAB

LUN, LUL

ENGI

WITN

SON

Mud Data

Drilling Fluid Type

Maximum Recorded Temperature

Date Logger At Bottom

Production Fluids

226.0 (degF)

230.0 (degF)

3–Feb–2008

Time Logger At Bottom

11:00

DFT

MRT

MRT1

DLAB, TLAB

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

PVT Data

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

Cement Data

Cement Job Type

Primary

CJT

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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.

Objectives: Perforate the well over the interval 3102.5m 3103.2m MDKB

using 2–1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.

Maximum Well Deviation – 47deg @ 630m MDKB

Perforation interval: 3102.5m to 3103.2m MDKB.

CCL to top shot = 3.50 m

CCL Stop Depth = 3099.00 m MDKB

Before gun shot: SBHT = 230.2 degF SBHP = 3089.4 psia

After gun shot: SBHT = 231.3degF SBHP = 3090.0 psia

Schlumberger crews: P.Lawerence, Z Casey, G Martin, C Shiells

R1

R2

R3

R4

R5

R6

R7

R8

R9

R17

Other Services

None

OS1

Channels

File: PERFO_020LTP

Sequence: 4

Origin: 64

MWPT–CA: MEASUREMENT WHILE PERFORATING TOOL

Spacing: 500.0 ms

Number of Channels: 10

CSGP_SL DPRE_SL DTEM_SL ESGP_SL PSGP_SL RCCL_SL SGPA_SL SGPT_SL SGP_SL TEMP_MWPT_SL

Spacing: 250.0 ms

Number of Channels: 1

CCL_SL

MWGT–AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL

Spacing: 500.0 ms

Number of Channels: 2

GR_SL RGR_SL

System and Miscellaneous

Spacing: 1000.0 ms

Number of Channels: 7

DEPT_SL ETIM_PL TDEP;2 TENS_SL TIME;2 TOD7 TOJ

Spacing: 500.0 ms

Number of Channels: 2

TDEP;4 TIME;4

Spacing: 250.0 ms

Number of Channels: 3

ETIM;1 TDEP;5 TIME;5

Frame Summary

File: PERFO_020LTP

Sequence: 4

Origin: 64

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	4793.52	6311.52 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	4793.52	6311.52 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	4793.52	6311.77 s	500.0 (0.5 ms)	4	TIME;5	500T

Schlumberger

Verification Listing

Listing Completed: 3–FEB–2008 23:26:10

