

**Input Source:** D:\OP\_Folder\Clients\Essso\_Australia\BMA\_A-26\GUN\BMA A-26 Mwpt\_Ener 2-Feb-07\DLIS\COMP\_BMA\_A26\_MWP\_ENER\_150.DL  
**Format:** DLIS **Max Record Length:** 8192  
**Storage Set ID:** Default Storage Set **Storage Unit Sequence:** 1

**File Header** File: **PERFO\_132LUP** Sequence: **1****Defining Origin: 61**

File ID: PERFO\_132LUP File Type: DEPTH LOG  
Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 29 2-FEB-2007 10:59:22  
Company Name: Esso Australia Pty. Ltd.  
Well Name: BMA A-26  
Field Name: Bream A  
Tool String: MWP\_GUN, MWPT-DA, MWGT-AA  
Computations: WELLCAD

**Error Summary** File: **PERFO\_132LUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **PERFO\_132LUP** Sequence: **1****Origin: 61****Well Data**

Company Name	Esso Australia Pty. Ltd.	CN
Well Name	BMA A-26	WN
Field Name	Bream A	FN
Rig:	Prod 2 / ISS Rig 22	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
	Basin	FL2
Service Order Number	L0503G037	SON
Longitude	147°46'15"E	LONG
Latitude	38°30'4"S	LATI
Maximum Hole Deviation	72.0 (deg)	MHD
Elevation of Kelly Bushing	33.5 (m)	EKB
Elevation of Ground Level	-59.0 (m)	EGL
Elevation of Derrick Floor	33.5 (m)	EDF
Permanent Datum	Mean Sea Level	PDAT, EPD
Log Measured From	Drill Floor	LMF, APD
Drilling Measured From	Drill Floor	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 33.5 (m)	

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

**Job Data**

Date as Month-Day-Year	2-Feb-2007	DATE
Run Number	1	RUN
Total Depth - Driller	4475.0 (m)	TDD
Total Depth - Logger	4332.0 (m)	TDL
Bottom Log Interval	4323.0 (m)	BLI
Top Log Interval	4320.0 (m)	TLI
Current Casing Size	4.50 (in)	CSIZ
Casing Depth From	3500.0 (m)	CDF
Casing Depth To	4337.0 (m)	CADT
Casing Grade	13CR-80	CASG
Casing Weight	43.5 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	4149.0 (m)	BSDF
Bit Size Depth To	4475.0 (m)	BSDT
Date Logger At Bottom	2-Feb-2007	DLAB, TLAB
Logging Unit Number	3827	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe	ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson	WITN
Service Order Number	L0503G037	SON

**Mud Data**

Mud Data

Drilling Fluid Type  
Date Logger At Bottom

Produced Fluids  
2-Feb-2007

Time Logger At Bottom 10:45

DFT  
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 TypePrimaryCJT

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

Remarks

Log correlated to ESSO Solar composite log.  
Objective:  
RIH with 2 1/8" 45 deg phased enerjet gun system loaded with Powerjet charges with MWPT as required, correlate to SOLAR composite log.  
Locate the gun at the required perforation interval. Perforate the well then allow sufficient time for any debris to drop down while recoring pressure/temp. prior to POOH.  
Perforation interval = 4320 – 4323m MDKB  
CCL to top shot = 3.1m  
CCL to gun bottom = 6.4m  
CCL stop depth = 4316.9m MDKB  
Schlumberger Crew:  
Days: B.Glover (crew chief), M.Hancock  
Nights: D.Stuckey (crew chief), S.Kiss

R1  
R2  
R3  
R4  
R5  
R6  
R7  
R8  
R9  
R10  
R11  
R14  
R15  
R16

Other Services

NoneOS1

Channels

File: PERFO\_132LUP Sequence: 1

Origin: 61

MWPT-DA: MEASUREMENT WHILE PERFORATING TOOL

Spacing: -6.0 inNumber of Channels: 14

BHPR CSGP DPRE DTEM ESGP ETIM GTEM PSGP SGP SGPA SGPT TEMP\_MWPT TOD7\_DL TOJ\_DL

Spacing: -1.0 inNumber of Channels: 4

CCL CCL\_COR FCCL RCCL

MWGT-AA: MEASUREMENT WHILE PERFORATING GAMMA RAY TOOL

Spacing: -6.0 inNumber of Channels: 2

GR RGR

System and Miscellaneous

Spacing: -6.0 inNumber of Channels: 6

BS CS CVEL TDEP TENS TIME

Spacing: -1.0 inNumber of Channels: 6

IDWD SCCL SCD SCDV TDEP;1 TIME;1

Frame Summary

File: PERFO\_132LUP Sequence: 1

Origin: 61

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	4330.14	4260.19 m	-60.0 (0.1 in) up	22	TDEP	60B
	14206.50	13977.00 ft				
BOREHOLE-DEPTH	4330.14	4260.06 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	14206.50	13976.58 ft				

File Header

File: PERFO\_134LUP Sequence: 2

Defining Origin: 61

File ID: PERFO\_134LUP File Type: DEPTH LOG

Producer Name: SchlumbergerProduct/Version: OP 14C0-302File Set: 41File Number: 312-FEB-2007 11:11:32

Company Name: Esso Australia Pty. Ltd.

Well Name: BMA A-26

Field Name: Bream A

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

Computations: WELL CAD

Computations: WELLLOG		
<b>Error Summary</b>	File: <b>PERFO_134LUP</b>	Sequence: <b>2</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>PERFO_134LUP</b>	Sequence: <b>2</b>
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**Origin: 61****Well Data**

Company Name	Esso Australia Pty. Ltd.		CN
Well Name	BMA A-26		WN
Field Name	Bream A		FN
Rig:	Prod 2 / ISS Rig 22		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Bass Strait		FL
	Gippsland		FL1
	Basin		FL2
Service Order Number	L0503G037		SON
Longitude	147°46'15"E		LONG
Latitude	38°30'4"S		LATI
Maximum Hole Deviation	72.0 (deg)		MHD
Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	-59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 33.5 (m)	LMF, APD
Drilling Measured From	Drill Floor		DMF

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

**Job Data**

Date as Month-Day-Year	2-Feb-2007		DATE
Run Number	1		RUN
Total Depth - Driller	4475.0 (m)		TDD
Total Depth - Logger	4332.0 (m)		TDL
Bottom Log Interval	4323.0 (m)		BLI
Top Log Interval	4320.0 (m)		TLI
Current Casing Size	4.50 (in)		CSIZ
Casing Depth From	3500.0 (m)		CDF
Casing Depth To	4337.0 (m)		CADT
Casing Grade	13CR-80		CASG
Casing Weight	43.5 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	4149.0 (m)		BSDF
Bit Size Depth To	4475.0 (m)		BSDT
Date Logger At Bottom	2-Feb-2007	Time Logger At Bottom 10:45	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe		ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson		WITN
Service Order Number	L0503G037		SON

**Mud Data**

Drilling Fluid Type	Produced Fluids		DFT
Date Logger At Bottom	2-Feb-2007	Time Logger At Bottom 10:45	DLAB, TLAB

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

**Remarks**

Log correlated to ESSO Solar composite log.	R1
Objective:	R2
RIH with 2 1/8" 45 deg phased enerjet gun system loaded with Powerjet	R3
charges with MWPT as required, correlate to SOLAR composite log.	R4
Locate the gun at the required perforation interval. Perforate the well then	R5
allow sufficient time for any debris to drop down while recoring pressure/temp.	R6
proir to POOH.	R7
Perforation interval = 4320 - 4323m MDKB	R8
CCL to top shot = 3.1m	R9
CCL to gun bottom = 6.4m	R10

CCL to gun bottom = 6.4m	R10
CCL stop depth = 4316.9m MDKB	R11
Schlumberger Crew:	R14
Days: B.Glover (crew chief), M.Hancock	R15
Nights: D.Stuckey (crew chief), S.Kiss	R16
Other Services	
None	OS1

Channels	File: PERFO_134LUP	Sequence: 2
Origin: 61		
MWPT-DA: MEASUREMENT WHILE PERFORATING TOOL		
Spacing: -6.0 in		Number of Channels: 14
BHPR	CSGP	DPRE
DTEM	ESGP	ETIM
GTEM	PSGP	SGP
SGPA	SGPT	TEMP_MWPT
TOD7_DL		
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: 6
BS	CS	CVEL
TDEP	TENS	TIME
Spacing: -1.0 in		Number of Channels: 6
IDWD	SCCL	SCD
SCDV	TDEP;1	TIME;1

Frame Summary	File: PERFO_134LUP	Sequence: 2
Origin: 61		
Index Type	Start	Stop
BOREHOLE-DEPTH	4329.68	4258.97 m
	14205.00	13973.00 ft
BOREHOLE-DEPTH	4329.68	4258.84 m
	14205.00	13972.58 ft

Latitude	38°30'4"S			LATI
Maximum Hole Deviation	72.0 (deg)			MHD
Elevation of Kelly Bushing	33.5 (m)			EKB
Elevation of Ground Level	−59.0 (m)			EGL
Elevation of Derrick Floor	33.5 (m)			EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum	0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum	33.5 (m)	LMF, APD
Drilling Measured From	Drill Floor			DMF

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

Job Data

Date as Month–Day–Year	2–Feb–2007			DATE
Run Number	1			RUN
Total Depth – Driller	4475.0 (m)			TDD
Total Depth – Logger	4332.0 (m)			TDL
Bottom Log Interval	4323.0 (m)			BLI
Top Log Interval	4320.0 (m)			TLI
Current Casing Size	4.50 (in)			CSIZ
Casing Depth From	3500.0 (m)			CDF
Casing Depth To	4337.0 (m)			CADT
Casing Grade	13CR–80			CASG
Casing Weight	43.5 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	4149.0 (m)			BSDF
Bit Size Depth To	4475.0 (m)			BSDT
Date Logger At Bottom	2–Feb–2007	Time Logger At Bottom	10:45	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location	AUSL	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe			ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson			WITN
Service Order Number	L0503G037			SON

Mud Data

Drilling Fluid Type	Produced Fluids		DFT	
Date Logger At Bottom	2-Feb-2007	Time Logger At Bottom	10:45	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
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Remarks

Log correlated to ESSO Solar composite log.	R1
Objective:	R2
RIH with 2 1/8" 45 deg phased enerjet gun system loaded with Powerjet	R3
charges with MWPT as required, correlate to SOLAR composite log.	R4
Locate the gun at the required perforation interval. Perforate the well then	R5
allow sufficient time for any debris to drop down while recoring pressure/temp.	R6
prior to POOH.	R7
Perforation interval = 4320 – 4323m MDKB	R8
CCL to top shot = 3.1m	R9
CCL to gun bottom = 6.4m	R10
CCL stop depth = 4316.9m MDKB	R11
Schlumberger Crew:	R14
Days: B.Glover (crew chief), M.Hancock	R15
Nights: D.Stuckey (crew chief), S.Kiss	R16

Other Services

None	OS1
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Channels File: PERFO\_135LTP Sequence: 3

Origin: 61

MWPT–DA: MEASUREMENT WHILE PERFORATING TOOL

Spacing: 1000.0 ms	Number of Channels: 3
ETIM_PL TOD7 TOJ	
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
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Spacing: 500.0 ms	Number of Channels: 2
GR_SL RGR_SL	
<b>System and Miscellaneous</b>	
Spacing: 1000.0 ms	Number of Channels: 2
TDEP;2 TIME;2	
Spacing: 500.0 ms	Number of Channels: 2
TDEP;3 TIME;3	
Spacing: 250.0 ms	Number of Channels: 3
ETIM;1 TDEP;4 TIME;4	

<b>Frame Summary</b> File: <b>PERFO_135LTP</b> Sequence: <b>3</b>						
<b>Origin: 61</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>
TIME	14988.46	15797.46 s	2000.0 (0.5 ms)	5	TIME;2	2000T
TIME	14988.46	15797.96 s	1000.0 (0.5 ms)	14	TIME;3	1000T
TIME	14988.46	15798.21 s	500.0 (0.5 ms)	4	TIME;4	500T

File Header		File: PERFO_112PUP	Sequence: 4
Defining Origin: 35			
File ID: PERFO_112PUP    File Type: PLAYBACK			
Producer Name: Schlumberger		Product/Version: OP 14C0-302	File Set: 41
		File Number: 9	31-JAN-2007 22:35:16
Company Name:	Esso Australia Pty. Ltd.		
Well Name:	BMA A-26		
Field Name:	Bream A		
Tool String:	SHM_GUN, SAFE, PGGT-C		
Computations:	WELLCAD		

<b>Error Summary</b> File: <b>PERFO_112PUP</b> Sequence: <b>4</b>		
No errors detected in file.		

<b>Well Site Data</b> File: <b>PERFO_112PUP</b> Sequence: <b>4</b>				
<b>Origin: 35</b>				
<b>Well Data</b>				
Company Name	Esso Australia Pty. Ltd.			CN
Well Name	BMA A-26			WN
Field Name	Bream A			FN
Rig:	Prod 2 / ISS Rig 22			CLAB, COUN
State:	Victoria			SLAB, STAT
Nation	Australia			NATI
Field Location	Bass Strait			FL
	Gippsland			FL1
	Basin			FL2
Service Order Number	L0503G037			SON
Longitude	147°46'15"E			LONG
Latitude	38°30'4"S			LATI
Maximum Hole Deviation	72.0 (deg)			MHD
Elevation of Kelly Bushing	33.5 (m)			EKB
Elevation of Ground Level	-59.0 (m)			EGL
Elevation of Derrick Floor	33.5 (m)			EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum	0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum	33.5 (m)	LMF, APD
Drilling Measured From	Drill Floor			DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN				
<b>Job Data</b>				
Date as Month-Day-Year	2-Feb-2007			DATE
Run Number	1			RUN
Total Depth - Driller	4475.0 (m)			TDD
Total Depth - Logger	4332.0 (m)			TDL
Bottom Log Interval	4323.0 (m)			BLI
Top Log Interval	4320.0 (m)			TLI
Current Casing Size	9.63 (in)			CSIZ
Casing Depth From	3500.0 (m)			CDF
Casing Depth To	4337.0 (m)			CADT
Casing Grade	13CR-80			CASG
Casing Weight	12.5 (lb/ft)			CWTF

Casing Weight43.5 (lbm/ft)

Bit Size12.3 (in)

Bit Size Depth From4149.0 (m)

Bit Size Depth To4475.0 (m)

Date Logger At Bottom2-Feb-2007

Logging Unit Number3827

Engineer's NameO.Darby/C.Rowand/B.Donahoe

Witness's NameMr B.Woodward, Mr M. Wilson

Service Order NumberL0503G037

CWEI

BS

BSDF

BSDT

DLAB, TLAB

LUN, LUL

ENGI

WITN

SON

Mud Data

Drilling Fluid TypeProduced Fluids

Date Logger At Bottom2-Feb-2007

Time Logger At Bottom10:45

DFT

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 TypePrimary

CJT

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

Remarks

Log correlated to ESSO Solar composite log.

Objective:

RIH with 2 1/8" 45 deg phased enerjet gun system loaded with Powerjet charges with MWPT as required, correlate to SOLAR composite log.

Locate the gun at the required perforation interval. Perforate the well then allow sufficient time for any debris to drop down while recoring pressure/temp. prior to POOH.

Perforation interval = 4320 – 4323m MDKB

CCL to top shot = 3.1m

CCL to gun bottom = 6.4m

CCL stop depth = 4316.9m MDKB

Schlumberger Crew:

Days: B.Glover (crew chief), M.Hancock

Nights: D.Stuckey (crew chief), S.Kiss

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R14

R15

R16

Other Services

None

OS1

Channels

File: PERFO\_112PUP

Sequence: 4

Origin: 35

SHM\_GUN: GUN

Spacing: -1.0 in

Number of Channels: 1

SCCL

PGGT-C: Powered Gun Gamma Ray – C

Spacing: -6.0 in

Number of Channels: 2

GRRGR

Spacing: -1.0 in

Number of Channels: 2

CCLRCCL

System and Miscellaneous

Spacing: -6.0 in

Number of Channels: 7

BSCSVELETIMTDEPTENSTIME

Spacing: -1.0 in

Number of Channels: 5

IDWDSCTSCDV TDEP;1TIME;1

Frame Summary							
File: PERFO_112PUP Sequence: 4							
Origin: 35							
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name	
BOREHOLE-DEPTH	4337.46	4218.28 m	-60.0 (0.1 in) up	9	TDEP	60B	
	14230.50	13839.50 ft					
BOREHOLE-DEPTH	4337.46	4218.31 m	-10.0 (0.1 in) up	8	TDEP;1	10B	
	14230.50	13839.58 ft					

