

Input Source: D:\OP_Folder\Clients\Essco_Australia_Pty_Ltd\CBA_A28\GUN\COMP_VERIFICATION_LISTING_117.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_016LUP** Sequence: **1**

Defining Origin: 64

File ID: PERFO_016LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 15

19-JUL-2009 16:49:28

Company Name: Esso Australia Pty Ltd

Well Name: CBA A28

Field Name: Cobia

Tool String: SHM_GUN, PGGT-D

Computations: WELLCAD

Error Summary File: **PERFO_016LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_016LUP** Sequence: **1**

Origin: 64

Well Data

Company Name	Esso Australia Pty Ltd	CN
Well Name	CBA A28	WN
Field Name	Cobia	FN
Rig:	175	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
Service Order Number	4500578305	SON
Longitude	148° 18' 32.995" E	LONG
Latitude	28° 26' 57.465" S	LATI
Maximum Hole Deviation	60.2 (deg)	MHD
Permanent Datum	MSL	PDAT, EPD
Log Measured From	Drill Floor	LMF, APD
Drilling Measured From	Drill Floor	DMF

Elevation of Permanent Datum -79.0 (m)
Above Permanent Datum 120.0 (m)

Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN, EKB, EGL, EDF

Job Data

Date as Month-Day-Year	19-Jul-2009	DATE
Run Number	1	RUN
Total Depth - Driller	3995.0 (m)	TDD
Total Depth - Logger	3905.0 (m)	TDL
Bottom Log Interval	3905.0 (m)	BLI
Current Casing Size	0.0 (in)	CSIZ
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.00 (in)	BS
Bit Size Depth To	3995.0 (m)	BSDT
Logging Unit Number	3829	LUN, LUL
Engineer's Name	M. Pratt, B. Jones	ENGI
Witness's Name	M. Culicut, S. Faulkner	WITN
Service Order Number	4500578305	SON

Logging Unit Location AUSL

Absent Valued Parameters: TLI, CDF, CADT, CASG, BSDF, DLAB, TLAB

Mud Data

Drilling Fluid Type	Brine	DFT
Drilling Fluid Density	8.55 (g/cm3)	DFD

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

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 Schlumberger LWD log provided by client		R1
Objective: RIH with Junk Basket & 6" Guage ring to HUD, ensure access forHSD run		R2
Perforate Interval 3772m – 3776.5m with 4–1/2 "HSD 12spf, 135/45 deg phased		R3
perforating gun using 4512 Powerjet Omega charges. Safe initiated.		R4
Correlate Production string on depth using PGGT–C.		R5
HUD tagged @ #####m MDKB with Junk Basket		R8
CCL to Bottom Of Junk Basket = 2.52m		R9
Gun 1: Top shot 3772m–3776.5m MDKB		R10
CCL to Top Shot= #####m		R11
CCL stop Depth = #####m MDKB		R12
Schlumberger crew:		R16
Days: B. Glover, M. Hancock, Nights: K. Kerr, G. Brady		R17
Other Services		
Tubing Corelation		OS1
GR, CCL		OS2

Channels

File: PERFO_016LUP

Sequence: 1

Origin: 64

SHM_GUN: GUN

Spacing: -1.0 in

Number of Channels: 1

SCCL

PGGT-D: Powered Gun Gamma Ray - D

Spacing: -6.0 in

Number of Channels: 2

GR RGR

Spacing: -1.0 in

Number of Channels: 2

CCL RCCL

System and Miscellaneous

Spacing: -6.0 in

Number of Channels: 7

BS CS CVEL ETIM TDEP TENS TIME

Spacing: -1.0 in

Number of Channels: 5

IDWD SCD SCDV TDEP;1 TIME;1

Frame Summary		File: PERFO_016LUP		Sequence: 1		
Origin: 64						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3963.77	3467.56 m	-60.0 (0.1 in) up	9	TDEP	60B
	13004.50	11376.50 ft				
BOREHOLE-DEPTH	3963.77	3467.43 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	13004.50	11376.08 ft				

File Header		File: PERFO_042LUP	Sequence: 2
Defining Origin: 10			
File ID: PERFO_042LUP		File Type: DEPTH LOG	
Producer Name: Schlumberger		Product/Version: OP 17C0-154	File Set: 41
		File Number: 46	20-JUL-2009 20:43:32
Company Name:	Esso Australia Pty Ltd		
Well Name:	CBA A28		
Field Name:	Cobia		
Tool String:	SHM_GUN, PGGT-D		
Computations:	WELL CAD		

Computational: WELLLOG		
Error Summary	File: PERFO_042LUP	Sequence: 2
No errors detected in file.		

Well Site Data	File: PERFO_042LUP	Sequence: 2
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Origin: 10

Well Data

Company Name	Esso Australia Pty Ltd	CN
Well Name	CBA A28	WN
Field Name	Cobia	FN
Rig:	175	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
Service Order Number	4500578305	SON
Longitude	148° 18' 32.995" E	LONG
Latitude	28° 26' 57.465" S	LATI
Maximum Hole Deviation	60.2 (deg)	MHD
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	41.0 (m)	EDF
Permanent Datum	MSL	PDAT, EPD
Log Measured From	Drill Floor	LMF, APD
Drilling Measured From	Drill Floor	DMF
	Elevation of Permanent Datum -79.0 (m)	
	Above Permanent Datum 120.0 (m)	

Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN, EKB

Job Data

Date as Month-Day-Year	19-Jul-2009	DATE
Run Number	1	RUN
Total Depth - Driller	3995.0 (m)	TDD
Total Depth - Logger	3948.0 (m)	TDL
Bottom Log Interval	3958.0 (m)	BLI
Top Log Interval	3470.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	20.0 (m)	CDF
Casing Depth To	3992.0 (m)	CADT
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	9.88 (in)	BS
Bit Size Depth From	587.0 (m)	BSDF
Bit Size Depth To	3995.0 (m)	BSDT
Date Logger At Bottom	19-Jul-2009	DLAB, TLAB
Logging Unit Number	3829	LUN, LUL
Engineer's Name	M. Pratt, B. Jones	ENGI
Witness's Name	M. Culicut, S. Faulkner	WITN
Service Order Number	4500578305	SON
	Time Logger At Bottom 16:20	
	Logging Unit Location AUSL	

Absent Valued Parameters: CASG

Mud Data

Drilling Fluid Type	Brine	DFT
Drilling Fluid Density	8.55 (g/cm3)	DFD
Date Logger At Bottom	19-Jul-2009	DLAB, TLAB
	Time Logger At Bottom 16:20	

Absent Valued Parameters: 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 Schlumberger LWD log provided by client	R1
Objective: RIH with Junk Basket & 6" Guage ring to HUD, ensure access forHSD run	R2
Perforate Interval 3772m - 3776.5m with 4-1/2 "HSD 12spf, 135/45 deg phased	R3
perforating gun using 4512 Powerjet Omega charges. Secure initiated.	R4
Correlate Production string on depth using PGGT-C.	R5
HUD tagged @ 3950.7m MDKB @ bottom of Junk Basket	R8
CCL to Bottom Of Junk Basket = 2.52m	R9
Gun 1: Top shot 3772m-3776.5m MDKB	R10
CCL to Top Shot= 3.72m	R11
CCL stop Depth = #####m MDKB	R12

Schlumberger crew: Days: B. Glover, M. Hancock, Nights: K. Kerr, G. Brady						R16 R17
Other Services						OS1 OS2
Tubing Corelation GR, CCL						
Channels						
File: PERFO_042LUP		Sequence: 2				
Origin: 10						
SHM_GUN: GUN						
Spacing: -1.0 in SCCL		Number of Channels: 1				
PGGT-D: Powered Gun Gamma Ray - D						
Spacing: -6.0 in GR RGR		Number of Channels: 2				
Spacing: -1.0 in CCL RCCL		Number of Channels: 2				
System and Miscellaneous						
Spacing: -6.0 in BS CS CVEL ETIM TDEP TENS TIME		Number of Channels: 7				
Spacing: -1.0 in IDWD SCD SCDV TDEP;1 TIME;1		Number of Channels: 5				
Frame Summary						
File: PERFO_042LUP		Sequence: 2				
Origin: 10						
<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	3850.08	3750.11 m	-60.0 (0.1 in) up	9	TDEP	60B
	12631.50	12303.50 ft				
BOREHOLE-DEPTH	3850.08	3749.98 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	12631.50	12303.08 ft				
File Header						
File: PERFO_043LUP		Sequence: 3				
Defining Origin: 10						
File ID: PERFO_043LUP File Type: DEPTH LOG						
Producer Name: Schlumberger		Product/Version: OP 17C0-154		File Set: 41	File Number: 47	20-JUL-2009 20:56:59
Company Name:	Esso Australia Pty Ltd					
Well Name:	CBA A28					
Field Name:	Cobia					
Tool String:	SHM_GUN, PGGT-D					
Computations:	WELLCAD					
Error Summary						
File: PERFO_043LUP		Sequence: 3				
No errors detected in file.						
Well Site Data						
File: PERFO_043LUP		Sequence: 3				
Origin: 10						
Well Data						
Company Name	Esso Australia Pty Ltd					CN
Well Name	CBA A28					WN
Field Name	Cobia					FN
Rig:	175					CLAB, COUN
State:	Victoria					SLAB, STAT
Nation	Australia					NATI
Field Location	Bass Strait					FL
	Gippsland					FL1
Service Order Number	4500578305					SON
Longitude	148° 18' 32.995" E					LONG
Latitude	28° 26' 57.465" S					LATI

Maximum Hole Deviation	60.2 (deg)		MHD
Elevation of Ground Level	-79.0 (m)		EGL
Elevation of Derrick Floor	41.0 (m)		EDF
Permanent Datum	MSL	Elevation of Permanent Datum	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum	LMF, APD
Drilling Measured From	Drill Floor		DMF

Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN, EKB

Job Data

Date as Month-Day-Year	19-Jul-2009		DATE
Run Number	1		RUN
Total Depth - Driller	3995.0 (m)		TDD
Total Depth - Logger	3948.0 (m)		TDL
Bottom Log Interval	3958.0 (m)		BLI
Top Log Interval	3470.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	20.0 (m)		CDF
Casing Depth To	3992.0 (m)		CADT
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	9.88 (in)		BS
Bit Size Depth From	587.0 (m)		BSDF
Bit Size Depth To	3995.0 (m)		BSDT
Date Logger At Bottom	19-Jul-2009	Time Logger At Bottom	DLAB, TLAB
Logging Unit Number	3829	Logging Unit Location	LUN, LUL
Engineer's Name	M. Pratt, B. Jones		ENGI
Witness's Name	M. Culicut, S. Faulkner		WITN
Service Order Number	4500578305		SON

Absent Valued Parameters: CASG

Mud Data

Drilling Fluid Type	Brine		DFT
Drilling Fluid Density	8.55 (g/cm3)		DFD
Date Logger At Bottom	19-Jul-2009	Time Logger At Bottom	DLAB, TLAB

Absent Valued Parameters: 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 Schlumberger LWD log provided by client	R1
Objective: RIH with Junk Basket & 6" Guage ring to HUD, ensure access forHSD run	R2
Perforate Interval 3772m - 3776.5m with 4-1/2 "HSD 12spf, 135/45 deg phased	R3
perforating gun using 4512 Powerjet Omega charges. Secure initiated.	R4
Correlate Production string on depth using PGGT-C.	R5
HUD tagged @ 3950.7m MDKB @ bottom of Junk Basket	R8
CCL to Bottom Of Junk Basket = 2.52m	R9
Gun 1: Top shot 3772m-3776.5m MDKB	R10
CCL to Top Shot= 3.72m	R11
CCL stop Depth = #####m MDKB	R12
Schlumberger crew:	R16
Days: B. Glover, M. Hancock, Nights: K. Kerr, G. Brady	R17

Other Services

Tubing Corelation	OS1
GR, CCL	OS2

Channels File: PERFO_043LUP Sequence: 3

Origin: 10

SHM_GUN: GUN

Spacing: -1.0 in Number of Channels: 1
SCCL

PGGT-D: Powered Gun Gamma Ray - D

Spacing: -6.0 in Number of Channels: 2
GR RGR
Spacing: -1.0 in Number of Channels: 2
CCL RCCL

System and Miscellaneous

Spacing: -6.0 in Number of Channels: 2

Spacing: -6.0 in			Number of Channels: 7			
BS	CS	CVEL	ETIM	TDEP	TENS	TIME
Spacing: -1.0 in			Number of Channels: 5			
IDWD	SCD	SCDV	TDEP;1	TIME;1		

Frame Summary		File: PERFO_043LUP	Sequence: 3			
Origin: 10						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3850.08	3719.47 m	-60.0 (0.1 in) up	9	TDEP	60B
	12631.50	12203.00 ft				
BOREHOLE-DEPTH	3850.08	3719.50 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	12631.50	12203.08 ft				

File Header		File: PERFO_055PUP	Sequence: 4
Defining Origin: 63			
File ID: PERFO_055PUP		File Type: PLAYBACK	
Producer Name: Schlumberger		Product/Version: OP 17C0-154	File Set: 41
		File Number: 59	21-JUL-2009 5:08:49
Company Name:	Esso Australia Pty Ltd		
Well Name:	CBA A28		
Field Name:	Cobia		
Tool String:	SHM_GUN, PGGT-D		
Computations:	WELLCAD		

Error Summary		File: PERFO_055PUP	Sequence: 4
No errors detected in file.			

Well Site Data		File: PERFO_055PUP	Sequence: 4
Origin: 63			
Well Data			
Company Name		Esso Australia Pty Ltd	CN
Well Name		CBA A28	WN
Field Name		Cobia	FN
Rig:		175	CLAB, COUN
State:		Victoria	SLAB, STAT
Nation		Australia	NATI
Field Location		Bass Strait	FL
		Gippsland	FL1
Service Order Number		4500578305	SON
Longitude		148° 18' 32.995" E	LONG
Latitude		28° 26' 57.465" S	LATI
Maximum Hole Deviation		60.2 (deg)	MHD
Elevation of Ground Level		-79.0 (m)	EGL
Elevation of Derrick Floor		41.0 (m)	EDF
Permanent Datum		MSL	PDAT, EPD
Log Measured From		Drill Floor	LMF, APD
Drilling Measured From		Drill Floor	DMF
Elevation of Permanent Datum		-79.0 (m)	
Above Permanent Datum		120.0 (m)	
Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN, EKB			
Job Data			
Date as Month-Day-Year		19-Jul-2009	DATE
Run Number		1	RUN
Total Depth - Driller		3995.0 (m)	TDD
Total Depth - Logger		3948.0 (m)	TDL
Bottom Log Interval		3958.0 (m)	BLI
Top Log Interval		3470.0 (m)	TLI
Current Casing Size		7.00 (in)	CSIZ
Casing Depth From		20.0 (m)	CDF
Casing Depth To		3992.0 (m)	CADT
Casing Weight		26.0 (lbm/ft)	CWEI
Bit Size		9.88 (in)	BS
Bit Size Depth From		587.0 (m)	BSDF
Bit Size Depth To		3995.0 (m)	BSDT

Date Logger At Bottom
Logging Unit Number
Engineer's Name
Witness's Name
Service Order Number

19-Jul-2009
3829
M. Pratt, B. Jones
M. Culicut, S. Faulkner
4500578305

Time Logger At Bottom
Logging Unit Location

16:20
AUSL

DLAB, TLAB
LUN, LUL
ENGI
WITN
SON

Absent Valued Parameters: CASG

Mud Data

Drilling Fluid Type
Drilling Fluid Density
Date Logger At Bottom

Brine
8.55 (g/cm3)
19-Jul-2009

Time Logger At Bottom

16:20
DLAB, TLAB

Absent Valued Parameters: 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 Schlumberger LWD log provided by client
Objective: RIH with Junk Basket & 6" Guage ring to HUD, ensure access forHSD run
Perforate Interval 3772m – 3776.5m with 4–1/2 "HSD 12spf, 135/45 deg phased
perforating gun using 4512 Powerjet Omega charges. Secure initiated.
Correlate Production string on depth using PGGT–C.
HUD tagged @ 3950.7m MDKB @ bottom of Junk Basket
CCL to Bottom Of Junk Basket = 2.52m
Gun 1: Top shot 3772m–3776.5m MDKB
CCL to Top Shot= 3.72m
CCL stop Depth = 3768.28m MDKB
Schlumberger crew:
Days: B. Glover, M. Hancock, Nights: K. Kerr, G. Brady

R1
R2
R3
R4
R5
R8
R9
R10
R11
R12
R16
R17

Other Services

Tubing Corelation
GR, CCL

OS1
OS2

Channels

File: PERFO_055PUP

Sequence: 4

Origin: 63

SHM_GUN: GUN

Spacing: -1.0 in
SCCL

Number of Channels: 1

PGGT–D: Powered Gun Gamma Ray – D

Spacing: -6.0 in
GR RGR

Number of Channels: 2

Spacing: -1.0 in
CCL RCCL

Number of Channels: 2

System and Miscellaneous

Spacing: -6.0 in
BS CS CVEL ETIM TDEP TENS TIME

Number of Channels: 7

Spacing: -1.0 in
IDWD SCD SCDV TDEP;1 TIME;1

Number of Channels: 5

Frame Summary							
File: PERFO_055PUP		Sequence: 4					
Origin: 63							
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name	
BOREHOLE-DEPTH	3816.10	3485.54 m	-60.0 (0.1 in) up	9	TDEP	60B	
	12520.00	11435.50 ft					
BOREHOLE-DEPTH	3816.10	3485.57 m	-10.0 (0.1 in) up	8	TDEP;1	10B	
	12520.00	11435.58 ft					

File Header

File: PERFO_056PUP

Sequence: 5

Defining Origin: 63				
File ID: PERFO_056PUP File Type: PLAYBACK				
Producer Name: Schlumberger		Product/Version: OP 17C0-154	File Set: 41	File Number: 61
21-JUL-2009 5:20:37				
Company Name: Esso Australia Pty Ltd				
Well Name: CBA A28				
Field Name: Cobia				
Tool String: SHM_GUN, PGGT-D				
Computations: WELLCAD				

Error Summary			File: PERFO_056PUP	Sequence: 5
No errors detected in file.				

Well Site Data			File: PERFO_056PUP	Sequence: 5
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Origin: 63				
Well Data				
Company Name		Esso Australia Pty Ltd		CN
Well Name		CBA A28		WN
Field Name		Cobia		FN
Rig:		175		CLAB, COUN
State:		Victoria		SLAB, STAT
Nation		Australia		NATI
Field Location		Bass Strait		FL
		Gippsland		FL1
Service Order Number		4500578305		SON
Longitude		148° 18' 32.995" E		LONG
Latitude		28° 26' 57.465" S		LATI
Maximum Hole Deviation		60.2 (deg)		MHD
Elevation of Ground Level		-79.0 (m)		EGL
Elevation of Derrick Floor		41.0 (m)		EDF
Permanent Datum		MSL	Elevation of Permanent Datum -79.0 (m)	PDAT, EPD
Log Measured From		Drill Floor	Above Permanent Datum 120.0 (m)	LMF, APD
Drilling Measured From		Drill Floor		DMF
Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN, EKB				

Job Data				
Date as Month-Day-Year		19-Jul-2009		DATE
Run Number		1		RUN
Total Depth - Driller		3995.0 (m)		TDD
Total Depth - Logger		3948.0 (m)		TDL
Bottom Log Interval		3958.0 (m)		BLI
Top Log Interval		3470.0 (m)		TLI
Current Casing Size		7.00 (in)		CSIZ
Casing Depth From		20.0 (m)		CDF
Casing Depth To		3992.0 (m)		CADT
Casing Weight		26.0 (lbm/ft)		CWEI
Bit Size		9.88 (in)		BS
Bit Size Depth From		587.0 (m)		BSDF
Bit Size Depth To		3995.0 (m)		BSDT
Date Logger At Bottom		19-Jul-2009	Time Logger At Bottom 16:20	DLAB, TLAB
Logging Unit Number		3829	Logging Unit Location AUSL	LUN, LUL
Engineer's Name		M. Pratt, B. Jones		ENGI
Witness's Name		M. Culicut, S. Faulkner		WITN
Service Order Number		4500578305		SON
Absent Valued Parameters: CASG				

Mud Data				
Drilling Fluid Type		Brine		DFT
Drilling Fluid Density		8.55 (g/cm3)		DFD
Date Logger At Bottom		19-Jul-2009	Time Logger At Bottom 16:20	DLAB, TLAB
Absent Valued Parameters: 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 Schlumberger LWD log provided by client				R1
Log correlated to Schlumberger LWD log provided by client				R2

Objective: RIH with Junk Basket & 6" Guage ring to HUD, ensure access forHSD run	R2
Perforate Interval 3772m – 3776.5m with 4–1/2 "HSD 12spf, 135/45 deg phased	R3
perforating gun using 4512 Powerjet Omega charges. Secure initiated.	R4
Correlate Production string on depth using PGGT–C.	R5
HUD tagged @ 3950.7m MDKB @ bottom of Junk Basket	R8
CCL to Bottom Of Junk Basket = 2.52m	R9
Gun 1: Top shot 3772m–3776.5m MDKB	R10
CCL to Top Shot= 3.72m	R11
CCL stop Depth = 3768.28m MDKB	R12
Schlumberger crew:	R16
Days: B. Glover, M. Hancock, Nights: K. Kerr, G. Brady	R17
Other Services	
Tubing Corelation	OS1
GR, CCL	OS2

Channels	File: PERFO_056PUP	Sequence: 5
Origin: 63		
SHM_GUN: GUN		
Spacing: –1.0 in	Number of Channels: 1	
SCCL		
PGGT–D: Powered Gun Gamma Ray – D		
Spacing: –6.0 in	Number of Channels: 2	
GR RGR		
Spacing: –1.0 in	Number of Channels: 2	
CCL RCCL		
System and Miscellaneous		
Spacing: –6.0 in	Number of Channels: 7	
BS CS CVEL ETIM TDEP TENS TIME		
Spacing: –1.0 in	Number of Channels: 5	
IDWD SCD SCDV TDEP;1 TIME;1		

Frame Summary						
File: PERFO_056PUP		Sequence: 5				
Origin: 63						
<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	3965.14	3468.93 m	-60.0 (0.1 in) up	9	TDEP	60B
	13009.00	11381.00 ft				
BOREHOLE-DEPTH	3965.14	3468.95 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	13009.00	11381.08 ft				

File Header	File: PERFO_114PUP	Sequence: 6
Defining Origin: 24		
File ID: PERFO_114PUP File Type: PLAYBACK		
Producer Name: Schlumberger	Product/Version: OP 17C0–154	File Set: 41 File Number: 84 22–JUL–2009 13:47:10
Company Name: Esso Australia Pty Ltd		
Well Name: CBA A28		
Field Name: Cobia		
Tool String: SHM_GUN, PGGT–CC		
Computations: WELLCAD		

Error Summary	File: PERFO_114PUP	Sequence: 6
No errors detected in file.		

Well Site Data	File: PERFO_114PUP	Sequence: 6
Origin: 24		
Well Data		
Company Name	Esso Australia Pty Ltd	CN
Well Name	CBA A28	WN

Field Name	Cobia		FN
Rig:	175		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Bass Strait		FL
	Gippsland		FL1
Service Order Number	4500578305		SON
Longitude	148° 18' 32.995" E		LONG
Latitude	28° 26' 57.465" S		LATI
Maximum Hole Deviation	60.2 (deg)		MHD
Elevation of Ground Level	-79.0 (m)		EGL
Elevation of Derrick Floor	41.0 (m)		EDF
Permanent Datum	MSL	Elevation of Permanent Datum -79.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 120.0 (m)	LMF, APD
Drilling Measured From	Drill Floor		DMF
Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN, EKB			
Job Data			
Date as Month-Day-Year	19-Jul-2009		DATE
Run Number	1,2 & 3		RUN
Total Depth - Driller	3995.0 (m)		TDD
Total Depth - Logger	3948.0 (m)		TDL
Bottom Log Interval	3958.0 (m)		BLI
Top Log Interval	3470.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	20.0 (m)		CDF
Casing Depth To	3992.0 (m)		CADT
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	9.88 (in)		BS
Bit Size Depth From	587.0 (m)		BSDF
Bit Size Depth To	3995.0 (m)		BSDT
Date Logger At Bottom	19-Jul-2009	Time Logger At Bottom 16:20	DLAB, TLAB
Logging Unit Number	3829	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	M. Pratt, B. Jones		ENGI
Witness's Name	M. Culicut, S. Faulkner		WITN
Service Order Number	4500578305		SON
Absent Valued Parameters: CASG			
Mud Data			
Drilling Fluid Type	Brine		DFT
Drilling Fluid Density	8.55 (g/cm3)		DFD
Date Logger At Bottom	19-Jul-2009	Time Logger At Bottom 16:20	DLAB, TLAB
Absent Valued Parameters: 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 Schlumberger LWD log provided by client			R1
Objective: RIH with Junk Basket & 6" Guage ring to HUD, ensure access forHSD run			R2
Perforate Interval 3772m - 3776.5m with 4-1/2 "HSD 12spf, 135/45 deg phased			R3
perforating gun using 4512 Powerjet Omega charges. Secure initiated.			R4
Correlate Production string on depth using PGGT-C.			R5
HUD tagged @ 3950.7m MDKB @ bottom of Junk Basket			R8
CCL to Bottom Of Junk Basket = 2.52m			R9
Gun 1: Top shot 3772m-3776.5m MDKB			R10
CCL to Top Shot= 3.72m			R11
CCL stop Depth = 3768.28m MDKB			R12
Schlumberger crew:			R16
Days: B. Glover, M. Hancock, Nights: K. Kerr, G. Brady			R17
Other Services			
Tubing Corelation			OS1
GR, CCL			OS2

Channels File: PERFO_114PUP Sequence: 6

Origin: 24

SHM_GUN: GUN

Spacing: -1.0 in Number of Channels: 1

SCCL		PGGT-CC: Powered Gun Gamma Ray – CC				
Spacing: –6.0 in		Number of Channels: 2				
GR	RGR					
Spacing: –1.0 in		Number of Channels: 2				
CCL	RCCL					
System and Miscellaneous						
Spacing: –6.0 in		Number of Channels: 7				
BS	CS	CVEL	ETIM	TDEP	TENS	TIME
Spacing: –1.0 in		Number of Channels: 5				
IDWD	SCD	SCDV	TDEP;1	TIME;1		

Frame Summary File: PERFO_114PUP Sequence: 6						
Origin: 24						
<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	3803.45	3725.72 m	-60.0 (0.1 in) up	9	TDEP	60B
	12478.50	12223.50 ft				
BOREHOLE-DEPTH	3803.45	3725.75 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	12478.50	12223.58 ft				

File Header		File: PERFO_113LUP	Sequence: 7
Defining Origin: 24			
File ID: PERFO_113LUP		File Type: DEPTH LOG	
Producer Name: Schlumberger		Product/Version: OP 17C0-154	File Set: 41
		File Number: 83	22-JUL-2009 13:36:06
Company Name:	Esso Australia Pty Ltd		
Well Name:	CBA A28		
Field Name:	Cobia		
Tool String:	SHM_GUN, PGGT-CC		
Computations:	WELLCAD		

Error Summary File: PERFO_113LUP Sequence: 7						
No errors detected in file.						

Well Site Data			File: PERFO_113LUP	Sequence: 7
Origin: 24				
Well Data				
Company Name	Esso Australia Pty Ltd			CN
Well Name	CBA A28			WN
Field Name	Cobia			FN
Rig:	175			CLAB, COUN
State:	Victoria			SLAB, STAT
Nation	Australia			NATI
Field Location	Bass Strait			FL
	Gippsland			FL1
Service Order Number	4500578305			SON
Longitude	148° 18' 32.995" E			LONG
Latitude	28° 26' 57.465" S			LATI
Maximum Hole Deviation	60.2 (deg)			MHD
Elevation of Ground Level	-79.0 (m)			EGL
Elevation of Derrick Floor	41.0 (m)			EDF
Permanent Datum	MSL	Elevation of Permanent Datum	-79.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum	120.0 (m)	LMF, APD
Drilling Measured From	Drill Floor			DMF
Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN, EKB				
Job Data				
Date as Month-Day-Year	19-Jul-2009			DATE
Run Number	1,2 & 3			RUN
Total Depth - Driller	3995.0 (m)			TDD
Total Depth - Logger	3948.0 (m)			TDL
Bottom Log Interval	3958.0 (m)			BLI

Bottom Log Interval	3938.0 (m)			TLI
Top Log Interval	3470.0 (m)			CSIZ
Current Casing Size	7.00 (in)			CDF
Casing Depth From	20.0 (m)			CADT
Casing Depth To	3992.0 (m)			CWEI
Casing Weight	26.0 (lbm/ft)			BS
Bit Size	9.88 (in)			BSDF
Bit Size Depth From	587.0 (m)			BSDT
Bit Size Depth To	3995.0 (m)			DLAB, TLAB
Date Logger At Bottom	19-Jul-2009	Time Logger At Bottom	16:20	LUN, LUL
Logging Unit Number	3829	Logging Unit Location	AUSL	ENGI
Engineer's Name	M. Pratt, B. Jones			WITN
Witness's Name	M. Culicut, S. Faulkner			SON
Service Order Number	4500578305			

Absent Valued Parameters: CASG

Mud Data

Drilling Fluid Type	Brine			DFT
Drilling Fluid Density	8.55 (g/cm3)			DFD
Date Logger At Bottom	19-Jul-2009	Time Logger At Bottom	16:20	DLAB, TLAB

Absent Valued Parameters: 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 Schlumberger LWD log provided by client	R1
Objective: RIH with Junk Basket & 6" Guage ring to HUD, ensure access forHSD run	R2
Perforate Interval 3772m – 3776.5m with 4–1/2 "HSD 12spf, 135/45 deg phased	R3
perforating gun using 4512 Powerjet Omega charges. Secure initiated.	R4
Correlate Production string on depth using PGGT–C.	R5
HUD tagged @ 3950.7m MDKB @ bottom of Junk Basket	R8
CCL to Bottom Of Junk Basket = 2.52m	R9
Gun 1: Top shot 3772m–3776.5m MDKB	R10
CCL to Top Shot= 3.72m	R11
CCL stop Depth = 3768.28m MDKB	R12
Schlumberger crew:	R16
Days: B. Glover, M. Hancock, Nights: K. Kerr, G. Brady	R17

Other Services

Tubing Corelation	OS1
GR, CCL	OS2

Channels	File: PERFO_113LUP	Sequence: 7
Origin: 24		
SHM_GUN: GUN		
Spacing: –1.0 in	Number of Channels: 1	
SCCL		
PGGT–CC: Powered Gun Gamma Ray – CC		
Spacing: –6.0 in	Number of Channels: 2	
GR RGR		
Spacing: –1.0 in	Number of Channels: 2	
CCL RCCL		
System and Miscellaneous		
Spacing: –6.0 in	Number of Channels: 7	
BS CS CVEL ETIM TDEP TENS TIME		
Spacing: –1.0 in	Number of Channels: 5	
IDWD SCD SCDV TDEP;1 TIME;1		

Frame Summary	File: PERFO_113LUP	Sequence: 7
Origin: 24		
Index Type	Start	Stop
Index Type	Spacing	Channels
Index Type	Index Channel	Frame Name

BOREHOLE-DEPTH	3801.92	3724.20 m	-60.0 (0.1 in) up	9	TDEP	60B
	12473.50	12218.50 ft				
BOREHOLE-DEPTH	3801.92	3724.22 m	-10.0 (0.1 in) up	8	TDEP;1	10B
	12473.50	12218.58 ft				



Verification Listing

Listing Completed: 22-JUL-2009 15:28:44