

**Input Source:** D:\OP\_Folder\Clients\Eso2007\CBA\_F2a\PSPT\COMP\_F2ASBHP\_COMP\_023.DLIS  
**Format:** DLIS  
**Storage Set ID:** Default Storage Set

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

**File Header** File: **PSP\_015PUP** Sequence: **1**

**Defining Origin: 22**

File ID: PSP\_015PUP File Type: PLAYBACK  
Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 14 12-MAY-2007 14:22:29  
Company Name: Esso Australia Pty Ltd.  
Well Name: F-2a  
Field Name: Cobia  
Tool String: PSPT-B  
Computations: WELLCAD, BORDYN

**Error Summary** File: **PSP\_015PUP** Sequence: **1**

No errors detected in file.

**Well Site Data** File: **PSP\_015PUP** Sequence: **1**

**Origin: 22**

**Well Data**

Company Name	Esso Australia Pty Ltd.	CN
Well Name	F-2a	WN
Field Name	Cobia	FN
Rig:	Cobia	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL07328218	SON
Longitude	148°18'32.553"E	LONG
Latitude	038°26'57.454"S	LATI
Maximum Hole Deviation	52.0 (deg)	MHD
Elevation of Kelly Bushing	39.0 (m)	EKB
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	39.0 (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 39.0 (m)

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

**Job Data**

Date as Month-Day-Year	12-May-2007	DATE
Run Number	One	RUN
Total Depth - Driller	420.0 (m)	TDD
Total Depth - Logger	3420.0 (m)	TDL
Bottom Log Interval	3420.0 (m)	BLI
Top Log Interval	3200.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	18.8 (m)	CDF
Casing Depth To	3463.9 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.7 (lbm/ft)	CWEI
Bit Size	9.88 (in)	BS
Date Logger At Bottom	12-May-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright.	ENGI
Witness's Name	G Rimmer.	WITN
Service Order Number	AUSL07328218	SON

Time Logger At Bottom 11:45  
Logging Unit Location Ausl / Prod 4

Absent Valued Parameters: BSDF, BSDT

**Mud Data**

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	227.0 (degF)	MRT
	227.0 (degF)	MRT1
Date Logger At Bottom	12-May-2007	Time Logger At Bottom 11:45
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 Solar composite log provided by client .		R1
Objective: Conduct Gamma Ray survey with well shut in		R2
from HUD to 3200m MDKB .Also SBHP stations from 3326m to 0 m MDKB.		R3
Maximum Well Deviation : 52 deg @1767m MDKB.		R4
SBHP:		R6
SBHT:		R7
HUD:		R8
Crew : Jake Annear & John Light		R16
Other Services		
None		OS1

Frame Summary    File: PSP_015PUP    Sequence: 1						
Origin: 22						
<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	3436.01	3189.73 m	-60.0 (0.1 in) up	24	TDEP	60B
	11273.00	10465.00 ft				
BOREHOLE-DEPTH	3436.01	3189.76 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	11273.00	10465.08 ft				

File Header							File: PSP_007LTP	Sequence: 2
Defining Origin: 22								
File ID: PSP_007LTP   File Type: STATION								
Producer Name: Schlumberger			Product/Version: OP 14C0-302			File Set: 41	File Number: 6	12-MAY-2007 12:27:22
Company Name:		Esso Australia Pty Ltd.						
Well Name:		F-2a						
Field Name:		Cobia						
Tool String:		PSPT-B						
Computations:		WELLCAD, BORDYN						

Error Summary    File: PSP_007LTP    Sequence: 2		
No errors detected in file.		

Well Site Data    File: PSP_007LTP    Sequence: 2		
Origin: 22		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	F-2a	WN
Field Name	Cobia	FN
Rig:	Cobia	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL07328218	SON
Longitude	148°18'32.553"E	LONG
Latitude	038°26'57.454"S	LATI

Latitude	030 20 57.454 S				LAT
Maximum Hole Deviation	52.0 (deg)				MHD
Elevation of Kelly Bushing	39.0 (m)				EKB
Elevation of Ground Level	-79.0 (m)				EGL
Elevation of Derrick Floor	39.0 (m)				EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)		PDAT, EPD
Log Measured From	D.F	Above Permanent Datum	39.0 (m)		LMF, APD
Drilling Measured From	D.F				DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN					
<b>Job Data</b>					
Date as Month-Day-Year	12-May-2007				DATE
Run Number	One				RUN
Total Depth - Driller	420.0 (m)				TDD
Total Depth - Logger	3420.0 (m)				TDL
Bottom Log Interval	3420.0 (m)				BLI
Top Log Interval	3200.0 (m)				TLI
Current Casing Size	7.63 (in)				CSIZ
Casing Depth From	18.8 (m)				CDF
Casing Depth To	3463.9 (m)				CADT
Casing Grade	L-80				CASG
Casing Weight	29.7 (lbm/ft)				CWEI
Bit Size	9.88 (in)				BS
Date Logger At Bottom	12-May-2007	Time Logger At Bottom	11:45		DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Ausl / Prod 4		LUN, LUL
Engineer's Name	G Wright.				ENGI
Witness's Name	G Rimmer.				WITN
Service Order Number	AUSL07328218				SON
Absent Valued Parameters: BSDF, BSDT					
<b>Mud Data</b>					
Drilling Fluid Type	Production Fluids				DFT
Maximum Recorded Temperature	227.0 (degF)				MRT
	227.0 (degF)				MRT1
Date Logger At Bottom	12-May-2007	Time Logger At Bottom	11:45		DLAB, TLAB
Absent Valued Parameters: DFD, DFV, DFL, DFP, 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 Solar composite log provided by client .					R1
Objective: Conduct Gamma Ray survey with well shut in					R2
from HUD to 3200m MDKB .Also SBHP stations from 3326m to 0 m MDKB.					R3
Maximum Well Deviation : 52 deg @1767m MDKB.					R4
SBHP:					R6
SBHT:					R7
HUD:					R8
Crew : Jake Annear & John Light					R16
<b>Other Services</b>					
None					OS1

<b>Frame Summary</b> File: <b>PSP_007LTP</b> Sequence: <b>2</b>						
<b>Origin: 22</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	9225.79	9926.79 s	2000.0 (0.5 ms)	16	TIME;2	2000T

<b>File Header</b> File: <b>PSP_008LTP</b> Sequence: <b>3</b>		
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<b>Defining Origin: 22</b>
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File ID: PSP_008LTP	File Type: STATION	Product/Version: OP 14C0-302	File Set: 41	File Number: 7	12-MAY-2007 12:45:28
Producer Name: Schlumberger					
Company Name:	Esso Australia Pty Ltd.				
Well Name:	F-2a				
Field Name:	Cobia				
Tool String:	PSPT-B				
Computations:	WELLCAD, BORDYN				

<b>Error Summary</b>	File: <b>PSP_008LTP</b>	Sequence: <b>3</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>PSP_008LTP</b>	Sequence: <b>3</b>
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<b>Origin: 22</b>		
<b>Well Data</b>		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	F-2a	WN
Field Name	Cobia	FN
Rig:	Cobia	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL07328218	SON
Longitude	148°18'32.553"E	LONG
Latitude	038°26'57.454"S	LATI
Maximum Hole Deviation	52.0 (deg)	MHD
Elevation of Kelly Bushing	39.0 (m)	EKB
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	39.0 (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	39.0 (m)
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN		

<b>Job Data</b>		
Date as Month-Day-Year	12-May-2007	DATE
Run Number	One	RUN
Total Depth – Driller	420.0 (m)	TDD
Total Depth – Logger	3420.0 (m)	TDL
Bottom Log Interval	3420.0 (m)	BLI
Top Log Interval	3200.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	18.8 (m)	CDF
Casing Depth To	3463.9 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.7 (lbm/ft)	CWEI
Bit Size	9.88 (in)	BS
Date Logger At Bottom	12-May-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright.	ENGI
Witness's Name	G Rimmer.	WITN
Service Order Number	AUSL07328218	SON
	Time Logger At Bottom	11:45
	Logging Unit Location	Ausl / Prod 4
Absent Valued Parameters: BSDF, BSDT		

<b>Mud Data</b>		
Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	227.0 (degF)	MRT
	227.0 (degF)	MRT1
Date Logger At Bottom	12-May-2007	DLAB, TLAB
	Time Logger At Bottom	11:45
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 Solar composite log provided by client		R1

Log Generated by: Data Compilers by Petrofac Pty Ltd		R2
Objective: Conduct Gamma Ray survey with well shut in from HUD to 3200m MDKB .Also SBHP stations from 3326m to 0 m MDKB.		R3
Maximum Well Deviation : 52 deg @1767m MDKB.		R4
SBHP:		R6
SBHT:		R7
HUD:		R8
Crew : Jake Annear & John Light		R16
Other Services		
None		OS1

Frame Summary		File: PSP_008LTP	Sequence: 3
Origin: 22			
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>
TIME	10308.44	10992.44 s	2000.0 (0.5 ms)
			<u>Channels</u>
			16
			<u>Index Channel</u>
			TIME;2
			<u>Frame Name</u>
			2000T

File Header		File: PSP_009LTP	Sequence: 4
Defining Origin: 22			
File ID: PSP_009LTP		File Type: STATION	
Producer Name: Schlumberger		Product/Version: OP 14C0-302	
		File Set: 41	
		File Number: 8	
		12-MAY-2007 13:03:09	
Company Name:		Esso Australia Pty Ltd.	
Well Name:		F-2a	
Field Name:		Cobia	
Tool String:		PSPT-B	
Computations:		WELLCAD, BORDYN	

Error Summary		File: PSP_009LTP	Sequence: 4
No errors detected in file.			

Well Site Data		File: PSP_009LTP	Sequence: 4
Origin: 22			
Well Data			
Company Name	Esso Australia Pty Ltd.		CN
Well Name	F-2a		WN
Field Name	Cobia		FN
Rig:	Cobia		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	AUSL07328218		SON
Longitude	148°18'32.553"E		LONG
Latitude	038°26'57.454"S		LATI
Maximum Hole Deviation	52.0 (deg)		MHD
Elevation of Kelly Bushing	39.0 (m)		EKB
Elevation of Ground Level	-79.0 (m)		EGL
Elevation of Derrick Floor	39.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum	LMF, APD
Drilling Measured From	D.F		DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN			
Job Data			
Date as Month-Day-Year	12-May-2007		DATE
Run Number	One		RUN



Origin: 22

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	F-2a		WN
Field Name	Cobia		FN
Rig:	Cobia		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	AUSL07328218		SON
Longitude	148°18'32.553"E		LONG
Latitude	038°26'57.454"S		LATI
Maximum Hole Deviation	52.0 (deg)		MHD
Elevation of Kelly Bushing	39.0 (m)		EKB
Elevation of Ground Level	-79.0 (m)		EGL
Elevation of Derrick Floor	39.0 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)
Log Measured From	D.F	Above Permanent Datum	39.0 (m)
Drilling Measured From	D.F		PDAT, EPD
			LMF, APD
			DMF

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

Job Data

Date as Month-Day-Year	12-May-2007		DATE
Run Number	One		RUN
Total Depth – Driller	420.0 (m)		TDD
Total Depth – Logger	3420.0 (m)		TDL
Bottom Log Interval	3420.0 (m)		BLI
Top Log Interval	3200.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	18.8 (m)		CDF
Casing Depth To	3463.9 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	29.7 (lbm/ft)		CWEI
Bit Size	9.88 (in)		BS
Date Logger At Bottom	12-May-2007	Time Logger At Bottom	11:45
Logging Unit Number	889	Logging Unit Location	Ausl / Prod 4
Engineer's Name	G Wright.		DLAB, TLAB
Witness's Name	G Rimmer.		LUN, LUL
Service Order Number	AUSL07328218		ENGI
			WITN
			SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	227.0 (degF)		MRT
	227.0 (degF)		MRT1
Date Logger At Bottom	12-May-2007	Time Logger At Bottom	11:45
			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
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Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Remarks

Log Correlated to Solar composite log provided by client .		R1
Objective: Conduct Gamma Ray survey with well shut in		R2
from HUD to 3200m MDKB .Also SBHP stations from 3326m to 0 m MDKB.		R3
Maximum Well Deviation : 52 deg @1767m MDKB.		R4
SBHP:		R6
SBHT:		R7
HUD:		R8
Crew : Jake Annear & John Light		R16

Other Services

None		OS1
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Origin: 22						
<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	12184.89	12880.89 s	2000.0 (0.5 ms)	16	TIME;2	2000T

**File Header** File: PSP\_011LTP Sequence: 6

<b>Defining Origin: 22</b>						
File ID: PSP_011LTP File Type: STATION						
Producer Name: Schlumberger		Product/Version: OP 14C0-302		File Set: 41	File Number: 10	12-MAY-2007 13:31:44
Company Name: Esso Australia Pty Ltd.						
Well Name: F-2a						
Field Name: Cobia						
Tool String: PSPT-B						
Computations: WELLCAD, BORDYN						

**Error Summary** File: PSP\_011LTP Sequence: 6

No errors detected in file.
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**Well Site Data** File: PSP\_011LTP Sequence: 6

Origin: 22						
Well Data						
Company Name	Esso Australia Pty Ltd.					CN
Well Name	F-2a					WN
Field Name	Cobia					FN
Rig:	Cobia					CLAB, COUN
State:	Victoria					SLAB, STAT
Nation	Australia					NATI
Field Location	Gippsland					FL
	Basin					FL1
	Bass Strait					FL2
Service Order Number	AUSL07328218					SON
Longitude	148°18'32.553"E					LONG
Latitude	038°26'57.454"S					LATI
Maximum Hole Deviation	52.0 (deg)					MHD
Elevation of Kelly Bushing	39.0 (m)					EKB
Elevation of Ground Level	-79.0 (m)					EGL
Elevation of Derrick Floor	39.0 (m)					EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)			PDAT, EPD
Log Measured From	D.F	Above Permanent Datum	39.0 (m)			LMF, APD
Drilling Measured From	D.F					DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN						

<b>Job Data</b>						
Date as Month-Day-Year		12-May-2007				DATE
Run Number		One				RUN
Total Depth - Driller		420.0 (m)				TDD
Total Depth - Logger		3420.0 (m)				TDL
Bottom Log Interval		3420.0 (m)				BLI
Top Log Interval		3200.0 (m)				TLI
Current Casing Size		7.63 (in)				CSIZ
Casing Depth From		18.8 (m)				CDF
Casing Depth To		3463.9 (m)				CADT
Casing Grade		L-80				CASG
Casing Weight		29.7 (lbm/ft)				CWEI
Bit Size		9.88 (in)				BS
Date Logger At Bottom		12-May-2007	Time Logger At Bottom 11:45		DLAB, TLAB	
Logging Unit Number		889	Logging Unit Location Ausl / Prod 4		LUN, LUL	



Logging Unit Number	000	Logging Unit Location	AUSL711004	LOGN, LOG
Engineer's Name	G Wright.			ENGI
Witness's Name	G Rimmer.			WITN
Service Order Number	AUSL07328218			SON
Absent Valued Parameters: BSDF, BSDT				
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	227.0 (degF)			MRT
	227.0 (degF)			MRT1
Date Logger At Bottom	12-May-2007	Time Logger At Bottom	11:45	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 Solar composite log provided by client .				R1
Objective: Conduct Gamma Ray survey with well shut in				R2
from HUD to 3200m MDKB .Also SBHP stations from 3326m to 0 m MDKB.				R3
Maximum Well Deviation : 52 deg @1767m MDKB.				R4
SBHP:				R6
SBHT:				R7
HUD:				R8
Crew : Jake Annear & John Light				R16
Other Services				
None				OS1

<b>Frame Summary</b> File: <b>PSP_011LTP</b> Sequence: <b>6</b>						
<b>Origin: 22</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	13075.24	13717.24 s	2000.0 (0.5 ms)	16	TIME;2	2000T

File Header		File: PSP_012LTP	Sequence: 7
Defining Origin: 22			
File ID: PSP_012LTP	File Type: STATION		
Producer Name: Schlumberger	Product/Version: OP 14C0-302	File Set: 41	File Number: 11 12-MAY-2007 13:46:26
Company Name:	Esso Australia Pty Ltd.		
Well Name:	F-2a		
Field Name:	Cobia		
Tool String:	PSPT-B		
Computations:	WELLCAD, BORDYN		

<b>Error Summary</b> File: <b>PSP_012LTP</b> Sequence: <b>7</b>		
No errors detected in file.		

<b>Well Site Data</b> File: <b>PSP_012LTP</b> Sequence: <b>7</b>		
<b>Origin: 22</b>		
<b>Well Data</b>		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	F-2a	WN
Field Name	Cobia	FN
Rig:	Cobia	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation:	Australia	NATI

Nation	Australia			NAT1
Field Location	Gippsland			FL
	Basin			FL1
	Bass Strait			FL2
Service Order Number	AUSL07328218			SON
Longitude	148°18'32.553"E			LONG
Latitude	038°26'57.454"S			LATI
Maximum Hole Deviation	52.0 (deg)			MHD
Elevation of Kelly Bushing	39.0 (m)			EKB
Elevation of Ground Level	-79.0 (m)			EGL
Elevation of Derrick Floor	39.0 (m)			EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum	39.0 (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	12-May-2007			DATE
Run Number	One			RUN
Total Depth - Driller	420.0 (m)			TDD
Total Depth - Logger	3420.0 (m)			TDL
Bottom Log Interval	3420.0 (m)			BLI
Top Log Interval	3200.0 (m)			TLI
Current Casing Size	7.63 (in)			CSIZ
Casing Depth From	18.8 (m)			CDF
Casing Depth To	3463.9 (m)			CADT
Casing Grade	L-80			CASG
Casing Weight	29.7 (lbm/ft)			CWEI
Bit Size	9.88 (in)			BS
Date Logger At Bottom	12-May-2007	Time Logger At Bottom	11:45	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Ausl / Prod 4	LUN, LUL
Engineer's Name	G Wright.			ENGI
Witness's Name	G Rimmer.			WITN
Service Order Number	AUSL07328218			SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	227.0 (degF)			MRT
	227.0 (degF)			MRT1
Date Logger At Bottom	12-May-2007	Time Logger At Bottom	11:45	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 Solar composite log provided by client .	R1
Objective: Conduct Gamma Ray survey with well shut in	R2
from HUD to 3200m MDKB .Also SBHP stations from 3326m to 0 m MDKB.	R3
Maximum Well Deviation : 52 deg @1767m MDKB.	R4
SBHP:	R6
SBHT:	R7
HUD:	R8
Crew : Jake Annear & John Light	R16

Other Services

None	OS1
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Frame Summary

File: PSP\_012LTP

Sequence: 7

Origin: 22						
<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	13962.31	14365.31 s	2000.0 (0.5 ms)	16	TIME;2	2000T

File Header

File: PSP\_013LTP

Sequence: 8

Defining Origin: 22

File ID: PSP\_013LTP    File Type: STATION

Producer Name: Schlumberger

Product/Version: OP 14C0-302

File Set: 41

File Number: 12

12-MAY-2007 13:59:42

Product Name: Conumberger	Product Version: 01-11-00-002	File Set: 11	File Number: 12	12-May-2007 10:00:12
Company Name: Esso Australia Pty Ltd.	Well Name: F-2a	Field Name: Cobia	Tool String: PSPT-B	Computations: WELLCAD, BORDYN

<b>Error Summary</b>	File: <b>PSP_013LTP</b>	Sequence: <b>8</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>PSP_013LTP</b>	Sequence: <b>8</b>
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## Origin: 22

### Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	F-2a	WN
Field Name	Cobia	FN
Rig:	Cobia	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL07328218	SON
Longitude	148°18'32.553"E	LONG
Latitude	038°26'57.454"S	LATI
Maximum Hole Deviation	52.0 (deg)	MHD
Elevation of Kelly Bushing	39.0 (m)	EKB
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	39.0 (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 39.0 (m)		

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

### Job Data

Date as Month-Day-Year	12-May-2007	DATE
Run Number	One	RUN
Total Depth - Driller	420.0 (m)	TDD
Total Depth - Logger	3420.0 (m)	TDL
Bottom Log Interval	3420.0 (m)	BLI
Top Log Interval	3200.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	18.8 (m)	CDF
Casing Depth To	3463.9 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.7 (lbm/ft)	CWEI
Bit Size	9.88 (in)	BS
Date Logger At Bottom	12-May-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright.	ENGI
Witness's Name	G Rimmer.	WITN
Service Order Number	AUSL07328218	SON
Time Logger At Bottom 11:45		
Logging Unit Location Ausl / Prod 4		

Absent Valued Parameters: BSDF, BSDT

### Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	227.0 (degF)	MRT
	227.0 (degF)	MRT1
Date Logger At Bottom	12-May-2007	DLAB, TLAB
Time Logger At Bottom 11:45		

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 Solar composite log provided by client .		R1
Objective: Conduct Gamma Ray survey with well shut in		R2
from HUD to 3200m MDKB .Also SBHP stations from 3326m to 0 m MDKB.		R3
Maximum Well Deviation : 52 deg @1767m MDKB.		R4
SBHP:		R6
SBHT:		R7
HUD:		R8
Crew : Jake Annear & John Light		R16
<b>Other Services</b>		
None		OS1

Frame Summary		File: PSP_013LTP	Sequence: 8			
Origin: 22						
<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	15011.82	15420.82 s	2000.0 (0.5 ms)	16	TIME;2	2000T

File Header		File: PSP_017LTP	Sequence: 9			
Defining Origin: 121						
File ID: PSP_017LTP    File Type: STATION						
Producer Name: Schlumberger		Product/Version: OP 14C0-302		File Set: 41	File Number: 16	12-MAY-2007 14:31:50
Company Name:	Esso Australia Pty Ltd.					
Well Name:	F-2a					
Field Name:	Cobia					
Tool String:	PSPT-B					
Computations:	WELLCAD, BORDYN					

Error Summary		File: PSP_017LTP	Sequence: 9
No errors detected in file.			

<b>Well Site Data</b>			File: <b>PSP_017LTP</b>	Sequence: <b>9</b>
<b>Origin: 121</b>				
<b>Well Data</b>				
Company Name	Esso Australia Pty Ltd.			CN
Well Name	F-2a			WN
Field Name	Cobia			FN
Rig:	Cobia			CLAB, COUN
State:	Victoria			SLAB, STAT
Nation	Australia			NATI
Field Location	Gippsland			FL
	Basin			FL1
	Bass Strait			FL2
Service Order Number	AUSL07328218			SON
Longitude	148°18'32.553"E			LONG
Latitude	038°26'57.454"S			LATI
Maximum Hole Deviation	52.0 (deg)			MHD
Elevation of Kelly Bushing	39.0 (m)			EKB
Elevation of Ground Level	-79.0 (m)			EGL
Elevation of Derrick Floor	39.0 (m)			EDF
Permanent Datum	M.S.L			PDAT, EPD
Log Measured From	D.F	Elevation of Permanent Datum	0.0 (m)	LMF, APD
		Above Permanent Datum	-20.0 (m)	

Log Measured From	D.F	Above Permanent Datum	39.0 (m)	LMF, APD
Drilling Measured From	D.F			DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN				
<b>Job Data</b>				
Date as Month–Day–Year	12–May–2007			DATE
Run Number	One			RUN
Total Depth – Driller	420.0 (m)			TDD
Total Depth – Logger	3420.0 (m)			TDL
Bottom Log Interval	3420.0 (m)			BLI
Top Log Interval	3200.0 (m)			TLI
Current Casing Size	7.63 (in)			CSIZ
Casing Depth From	18.8 (m)			CDF
Casing Depth To	3463.9 (m)			CADT
Casing Grade	L–80			CASG
Casing Weight	29.7 (lbm/ft)			CWEI
Bit Size	9.88 (in)			BS
Date Logger At Bottom	12–May–2007	Time Logger At Bottom	11:45	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Ausl / Prod 4	LUN, LUL
Engineer's Name	G Wright.			ENGI
Witness's Name	G Rimmer.			WITN
Service Order Number	AUSL07328218			SON
Absent Valued Parameters: BSDF, BSDT				
<b>Mud Data</b>				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	227.0 (degF)			MRT
	227.0 (degF)			MRT1
Date Logger At Bottom	12–May–2007	Time Logger At Bottom	11:45	DLAB, TLAB
Absent Valued Parameters: DFD, DFV, DFL, DFP, 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 Solar composite log provided by client .				R1
Objective: Conduct Gamma Ray survey with well shut in				R2
from HUD to 3200m MDKB .Also SBHP stations from 3326m to 0 m MDKB.				R3
Maximum Well Deviation : 52 deg @1767m MDKB.				R4
SBHP:				R6
SBHT:				R7
HUD:				R8
Crew : Jake Annear & John Light				R16
<b>Other Services</b>				
None				OS1

<b>Frame Summary</b> File: <b>PSP_017LTP</b> Sequence: <b>9</b>						
<b>Origin: 121</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	88.62	399.62 s	2000.0 (0.5 ms)	16	TIME;2	2000T
<b>File Header</b> File: <b>PSP_018LTP</b> Sequence: <b>10</b>						
<b>Defining Origin: 121</b>						
File ID: PSP_018LTP	File Type: STATION					
Producer Name: Schlumberger	Product/Version: OP 14C0–302	File Set: 41	File Number: 17	12–MAY–2007 14:54:44		
Company Name:	Esso Australia Pty Ltd.					
Well Name:	F–2a					
Field Name:	Cobia					
Tool String:	PSPT–B					
Computations:	WELLCAD, BORDYN					

<b>Error Summary</b>	File: <b>PSP_018LTP</b>	Sequence: <b>10</b>
No errors detected in file.		

<b>Well Site Data</b>	File: <b>PSP_018LTP</b>	Sequence: <b>10</b>
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Origin: 121

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	F-2a	WN
Field Name	Cobia	FN
Rig:	Cobia	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AUSL07328218	SON
Longitude	148°18'32.553"E	LONG
Latitude	038°26'57.454"S	LATI
Maximum Hole Deviation	52.0 (deg)	MHD
Elevation of Kelly Bushing	39.0 (m)	EKB
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	39.0 (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	39.0 (m)

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

Job Data

Date as Month-Day-Year	12-May-2007	DATE
Run Number	One	RUN
Total Depth – Driller	420.0 (m)	TDD
Total Depth – Logger	3420.0 (m)	TDL
Bottom Log Interval	3420.0 (m)	BLI
Top Log Interval	3200.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	18.8 (m)	CDF
Casing Depth To	3463.9 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.7 (lbm/ft)	CWEI
Bit Size	9.88 (in)	BS
Date Logger At Bottom	12-May-2007	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright.	ENGI
Witness's Name	G Rimmer.	WITN
Service Order Number	AUSL07328218	SON
	Time Logger At Bottom	11:45
	Logging Unit Location	Ausl / Prod 4

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	227.0 (degF)	MRT
	227.0 (degF)	MRT1
Date Logger At Bottom	12-May-2007	DLAB, TLAB
	Time Logger At Bottom	11:45

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 Solar composite log provided by client .	R1
Objective: Conduct Gamma Ray survey with well shut in	R2
from HUD to 3200m MDKB .Also SBHP stations from 3326m to 0 m MDKB.	R3
Maximum Well Deviation : 52 deg @1767m MDKB	R4

Maximum Well Deviation : 52 deg @ 1767m MDKB.  
SBHP = 3209 psia @ 3326m MDKB.  
SBHT = 224 degf @ 3326m MDKB.  
Crew : Jake Annear & John Light

R4  
R5  
R6  
R16

## Other Services

None OS1

## Frame Summary

File: **PSP\_018LTP** Sequence: **10**

### Origin: 121

<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	1462.45	1873.45 s	2000.0 (0.5 ms)	16	TIME;2	2000T

## File Header

File: **PSP\_022LTP** Sequence: **11**

### Defining Origin: 24

File ID: PSP\_022LTP File Type: STATION  
Producer Name: Schlumberger Product/Version: OP 14C0-302 File Set: 41 File Number: 21 12-MAY-2007 15:21:32  
Company Name: Esso Australia Pty Ltd.  
Well Name: F-2a  
Field Name: Cobia  
Tool String: PSPT-B  
Computations: WELLCAD, BORDYN

## Error Summary

File: **PSP\_022LTP** Sequence: **11**

No errors detected in file.

## Well Site Data

File: **PSP\_022LTP** Sequence: **11**

### Origin: 24

#### Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	F-2a	WN
Field Name	Cobia	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	AUSL07328218	SON
Longitude	148°18'32.553"E	LONG
Latitude	038°26'57.454"S	LATI
Maximum Hole Deviation	52.0 (deg)	MHD
Elevation of Kelly Bushing	39.0 (m)	EKB
Elevation of Ground Level	-79.0 (m)	EGL
Elevation of Derrick Floor	39.0 (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 39.0 (m)	

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

### Job Data

Date as Month-Day-Year	12-May-2007	DATE
Run Number	One	RUN
Total Depth - Driller	420.0 (m)	TDD
Total Depth - Logger	3420.0 (m)	TDL
Bottom Log Interval	3420.0 (m)	BLI
Top Log Interval	3200.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	18.8 (m)	CDF

Casing Depth From	16.8 (m)			CDF
Casing Depth To	3463.9 (m)			CADT
Casing Grade	L-80			CASG
Casing Weight	29.7 (lbm/ft)			CWEI
Bit Size	9.88 (in)			BS
Date Logger At Bottom	12-May-2007	Time Logger At Bottom	11:45	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Ausl / Prod 4	LUN, LUL
Engineer's Name	G Wright.			ENGI
Witness's Name	G Rimmer.			WITN
Service Order Number	AUSL07328218			SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	226.0 (degF)			MRT
	226.0 (degF)			MRT1
Date Logger At Bottom	12-May-2007	Time Logger At Bottom	11:45	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 Solar composite log provided by client .	R1
Objective: Conduct Gamma Ray survey with well shut in	R2
from HUD to 3200m MDKB .Also SBHP stations from 3326m to 0 m MDKB.	R3
Maximum Well Deviation : 52 deg @1767m MDKB.	R4
SBHP = 3209 psia @ 3326m MDKB.	R5
SBHT = 224 degf @ 3326m MDKB.	R6
Crew : Jake Annear & John Light	R16

Other Services

None	OS1
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<div> <div>Frame Summary</div> <div>File: PSP_022LTP</div> <div>Sequence: 11</div> </div>																				
<div> <div>Origin: 24</div> <table> <tr> <th><u>Index Type</u></th><th><u>Start</u></th><th><u>Stop</u></th><th><u>Spacing</u></th><th><u>Channels</u></th><th><u>Index Channel</u></th><th><u>Frame Name</u></th></tr> <tr> <td>TIME</td><td>104.40</td><td>472.40 s</td><td>2000.0 (0.5 ms)</td><td>16</td><td>TIME;2</td><td>2000T</td></tr> </table> </div>							<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	104.40	472.40 s	2000.0 (0.5 ms)	16	TIME;2	2000T
<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	104.40	472.40 s	2000.0 (0.5 ms)	16	TIME;2	2000T														

<div> <div>Schlumberger</div> <div>Verification Listing</div> <div>Listing Completed: 12-MAY-2007 15:37:07</div> </div>
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