Schlumberger

Verification Listing

Listing Created: 16−DEC−2005 6:51:32
Version: 13C0−300

Input Source: D:\OP_Folder\Clients\ExxonMobil\FLA_A−21A\GUN\COMP_MWPT_FLA_A_21A_035.DLIS
Format: DLIS
Storage Set ID: Default Storage Set
Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_019LUP** Sequence: **1**

Defining Origin: 113

File ID: PERFO_019LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 13C0−300 File Set: 41 File Number: 18 15−DEC−2005 11:07:20

Company Name: Esso Australia Ltd.
Well Name: FLA A−21a
Field Name: Flounder
Tool String: MWP_GUN, MWPT−CA, MWGT−AA
Computations: WELLCAD

Error Summary File: **PERFO_019LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_019LUP** Sequence: **1**

Origin: 113

Well Data

Company Name	Esso Australia Ltd.		CN
Well Name	FLA A−21a		WN
Field Name	Flounder		FN
Rig:	Crane/Prod 4		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland Basin		FL
	Bass Strait		FL1
Service Order Number	TBC		SON
Longitude	148* 26' 17.304"S		LONG
Latitude	038* 18' 44.786"E		LATI
Maximum Hole Deviation	60.0 (deg)		MHD
Elevation of Kelly Bushing	40.8 (m)		EKB
Elevation of Ground Level	−93.0 (m)		EGL
Elevation of Derrick Floor	40.8 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 40.8 (m)	PDAT, EPD
Log Measured From	Kelly Bushing	Above Permanent Datum −40.8 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	14−Dec−2005		DATE
Run Number	1		RUN
Total Depth − Driller	3880.0 (m)		TDD
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	20.4 (m)		CDF
Casing Depth To	3826.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	29.7 (lbm/ft)		CWEI
Bit Size	0.0 (in)		BS
Date Logger At Bottom	15−Dec−2005	Time Logger At Bottom 10:45	DLAB, TLAB
Logging Unit Number	1	Logging Unit Location VEA	LUN, LUL
Engineer's Name	Paul Tarrant		ENGI
Witness's Name	Barrie White		WITN
Service Order Number	TBC		SON

Absent Valued Parameters: TDL, BLI, TLI, BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	15−Dec−2005	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

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

Remarks

Log correlated to ? log dated?, provided by client.	R1
Objective:	R3
To perforate well at 3335.0m to 3336.0mMDKB using 2 1/8" Enerjet Gun	R4
loaded with PowerSpiral charges.	R5
Before perforating, obtain static FBHP and FBHT. After perforating, flow well	R6
for 15min to obtain FBHP, FBHT and also for well clean up.	R7
Static: FBHP= FBHT=	R8
Flowing: FBHP= FBHT=	R9
API data: PowerSpiral Charges, UN 0441	R11
Penetration: 27.3"	R12
Entrance Hole: 0.25"	R13
Operators: Eddy Mezenberg, Jakob Annear	R15

Other Services

None	OS1

Frame Summary File: **PERFO_019LUP** Sequence: **1**

Origin: 113

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3340.15 m	3303.42 m	−60.0 (0.1 in) up	20	TDEP	60B
	10958.50 ft	10838.00 ft				
BOREHOLE−DEPTH	3340.15 m	3303.45 m	−10.0 (0.1 in) up	9	TDEP;1	10B
	10958.50 ft	10838.08 ft				

File Header File: **PERFO_020LUP** Sequence: **2**

Defining Origin: 113

File ID: PERFO_020LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 13C0−300 File Set: 41 File Number: 19 15−DEC−2005 11:12:18

Company Name:	Esso Australia Ltd.
Well Name:	FLA A−21a
Field Name:	Flounder
Tool String:	MWP_GUN, MWPT−CA, MWGT−AA
Computations:	WELLCAD

Error Summary File: **PERFO_020LUP** Sequence: **2**

No errors detected in file.

Well Site Data File: **PERFO_020LUP** Sequence: **2**

Origin: 113

Well Data

Company Name	Esso Australia Ltd.	CN
Well Name	FLA A−21a	WN
Field Name	Flounder	FN
Rig:	Crane/Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland Basin	FL
	Bass Strait	FL1
Service Order Number	TBC	SON
Longitude	148* 26' 17.304"S	LONG
Latitude	038* 18' 44.786"E	LATI
Maximum Hole Deviation	60.0 (deg)	MHD

Maximum Hole Deviation	60.0 (deg)		MHD
Elevation of Kelly Bushing	40.8 (m)		EKB
Elevation of Ground Level	−93.0 (m)		EGL
Elevation of Derrick Floor	40.8 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 40.8 (m)	PDAT, EPD
Log Measured From	Kelly Bushing	Above Permanent Datum −40.8 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	14−Dec−2005		DATE
Run Number	1		RUN
Total Depth − Driller	3880.0 (m)		TDD
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	20.4 (m)		CDF
Casing Depth To	3826.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	29.7 (lbm/ft)		CWEI
Bit Size	0.0 (in)		BS
Date Logger At Bottom	15−Dec−2005	Time Logger At Bottom 10:45	DLAB, TLAB
Logging Unit Number	1	Logging Unit Location VEA	LUN, LUL
Engineer's Name	Paul Tarrant		ENGI
Witness's Name	Barrie White		WITN
Service Order Number	TBC		SON

Absent Valued Parameters: TDL, BLI, TLI, BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	15−Dec−2005	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

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

Remarks

Log correlated to ? log dated?, provided by client.	R1
Objective:	R3
To perforate well at 3335.0m to 3336.0mMDKB using 2 1/8" Enerjet Gun	R4
loaded with PowerSpiral charges.	R5
Before perforating, obtain static FBHP and FBHT. After perforating, flow well	R6
for 15min to obtain FBHP, FBHT and also for well clean up.	R7
Static: FBHP= FBHT=	R8
Flowing: FBHP= FBHT=	R9
API data: PowerSpiral Charges, UN 0441	R11
Penetration: 27.3"	R12
Entrance Hole: 0.25"	R13
Operators: Eddy Mezenberg, Jakob Annear	R15

Other Services

None	OS1

Frame Summary File: **PERFO_020LUP** Sequence: **2**

Origin: 113

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3340.76 m	3302.36 m	−60.0 (0.1 in) up	20	TDEP	60B
	10960.50 ft	10834.50 ft				
BOREHOLE−DEPTH	3340.76 m	3302.38 m	−10.0 (0.1 in) up	9	TDEP;1	10B
	10960.50 ft	10834.58 ft				

File Header File: **PERFO_021LTP** Sequence: **3**

Defining Origin: 113

File ID: PERFO_021LTP File Type: STATION
Producer Name: Schlumberger Product/Version: OP 13C0−300 File Set: 41 File Number: 20 15−DEC−2005 11:13:47

Company Name:	Esso Australia Ltd.
Well Name:	FLA A−21a
Field Name:	Flounder
Tool String:	MWP_GUN, MWPT−CA, MWGT−A
Computations:	WELLCAD

Error Summary File: **PERFO_021LTP** Sequence: **3**

No errors detected in file.

Well Site Data File: **PERFO_021LTP** Sequence: **3**

Origin: 113

Well Data

Company Name	Esso Australia Ltd.		CN
Well Name	FLA A−21a		WN
Field Name	Flounder		FN
Rig:	Crane/Prod 4		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland Basin		FL
	Bass Strait		FL1
Service Order Number	TBC		SON
Longitude	148* 26’ 17.304"S		LONG
Latitude	038* 18’ 44.786"E		LATI
Maximum Hole Deviation	60.0 (deg)		MHD
Elevation of Kelly Bushing	40.8 (m)		EKB
Elevation of Ground Level	−93.0 (m)		EGL
Elevation of Derrick Floor	40.8 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 40.8 (m)	PDAT, EPD
Log Measured From	Kelly Bushing	Above Permanent Datum −40.8 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	14−Dec−2005		DATE
Run Number	1		RUN
Total Depth − Driller	3880.0 (m)		TDD
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	20.4 (m)		CDF
Casing Depth To	3826.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	29.7 (lbm/ft)		CWEI
Bit Size	0.0 (in)		BS
Date Logger At Bottom	15−Dec−2005	Time Logger At Bottom 10:45	DLAB, TLAB
Logging Unit Number	1	Logging Unit Location VEA	LUN, LUL
Engineer’s Name	Paul Tarrant		ENGI
Witness’s Name	Barrie White		WITN
Service Order Number	TBC		SON

Absent Valued Parameters: TDL, BLI, TLI, BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	15−Dec−2005	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

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

Remarks

Log correlated to ? log dated?, provided by client.	R1
Objective:	R3
To perforate well at 3335.0m to 3336.0mMDKB using 2 1/8" Enerjet Gun	R4
loaded with PowerSpiral charges	R5

loaded with PowerSpiral charges. R5
Before perforating, obtain static FBHP and FBHT. After perforating, flow well R6
for 15min to obtain FBHP, FBHT and also for well clean up. R7
Static: FBHP= FBHT= R8
Flowing: FBHP= FBHT= R9
API data: PowerSpiral Charges, UN 0441 R11
Penetration: 27.3" R12
Entrance Hole: 0.25" R13
Operators: Eddy Mezenberg, Jakob Annear R15

Other Services

None OS1

Frame Summary

File: **PERFO_021LTP** Sequence: **3**

Origin: 113

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	3933.87	5242.87 s	2000.0 (0.5 ms)	5	TIME;2	2000T
TIME	3933.87	5243.37 s	1000.0 (0.5 ms)	14	TIME;3	1000T
TIME	3933.87	5243.37 s	500.0 (0.5 ms)	4	TIME;4	500T

Schlumberger

Verification Listing

Listing Completed: 16−DEC−2005 6:51:32