Schlumberger Verification Listing

Listing Created: 27−DEC−2005 12:52:32
Version: 13C0−300

Input Source: D:\OP_Folder\Clients\ExxonMobil\MLA_10aST1\GUN\COMP_MLA_A_10_27_DEC_026.DLIS
Format: DLIS
Storage Set ID: Default Storage Set
Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_013LUP** Sequence: **1**

Defining Origin: 37

File ID: PERFO_013LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 13C0−300 File Set: 41 File Number: 12 27−DEC−2005 8:41:41

Company Name:	ExxonMobil
Well Name:	MLA A−10aST1
Field Name:	Marlin
Tool String:	MWP_GUN, MWPT−CA, MWGT−AA
Computations:	WELLCAD

Error Summary File: **PERFO_013LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_013LUP** Sequence: **1**

Origin: 37

Well Data

Company Name	ExxonMobil		CN
Well Name	MLA A−10aST1		WN
Field Name	Marlin		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	AUSL05148529		SON
Longitude	148 13' 09.81" E		LONG
Latitude	38 13' 55.49" S		LATI
Maximum Hole Deviation	45.0 (deg)		MHD
Elevation of Kelly Bushing	27.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	27.9 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Kelly Bushing	Above Permanent Datum 0.0 (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	27−Dec−2005		DATE
Run Number	1		RUN
Total Depth − Driller	3485.0 (m)		TDD
Total Depth − Logger	0.0 (m)		TDL
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.5 (m)		CDF
Casing Depth To	3485.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	27−Dec−2005	Time Logger At Bottom 8:45	DLAB, TLAB
Logging Unit Number	1	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	Paul Tarrant		ENGI
Witness's Name	Barrie White		WITN
Service Order Number	AUSL05148529		SON

Absent Valued Parameters: BLI, TLI, BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	27−Dec−2005	Time Logger At Bottom 8:45	DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFPH, RSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MBT, MBT1, MBT2, RCS, TCS

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 corrleated to Solar log dated 21 Sep 2004 , provided by the client.	R1
Objective:	R3
To perforate the well at 3366m to 3373m MDKB 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 = psi, FBHT = degC	R8
Flowing: FBHP = psi, FBHT = degC	R9
API Data: PowerSpiral charges, UN 0441	R11
Pentration: 27.3"	R12
Entrance Hole: 0.25 "	R13
Specialist: Paul Tarrant	R15
Operators: Eddy Mezenberg & John Light	R16
Performed by Schlumberger	R17

Other Services

None	OS1

Frame Summary File: **PERFO_013LUP** Sequence: **1**

Origin: 37

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3400.04 m	3329.94 m	−60.0 (0.1 in) up	20	TDEP	60B
	11155.00 ft	10925.00 ft				
BOREHOLE−DEPTH	3400.04 m	3329.97 m	−10.0 (0.1 in) up	9	TDEP;1	10B
	11155.00 ft	10925.08 ft				

File Header File: **PERFO_014LUP** Sequence: **2**

Defining Origin: 37

File ID: PERFO_014LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 13C0−300 File Set: 41 File Number: 13 27−DEC−2005 8:50:31

Company Name:	ExxonMobil
Well Name:	MLA A−10aST1
Field Name:	Marlin
Tool String:	MWP_GUN, MWPT−CA, MWGT−A
Computations:	WELLCAD

Error Summary File: **PERFO_014LUP** Sequence: **2**

No errors detected in file.

Well Site Data File: **PERFO_014LUP** Sequence: **2**

Origin: 37

Well Data

Company Name	ExxonMobil	CN
Well Name	MLA A−10aST1	WN
Field Name	Marlin	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	AUSL05148529	SON
Longitude	148 13' 09.81" E	LONG
Latitude	38 13' 55.49" S	LATI
Maximum Hole Deviation	45.0 (deg)	MHD

Maximum Hole Deviation	45.0 (deg)		MHD
Elevation of Kelly Bushing	27.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	27.9 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Kelly Bushing	Above Permanent Datum 0.0 (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	27−Dec−2005		DATE
Run Number	1		RUN
Total Depth − Driller	3485.0 (m)		TDD
Total Depth − Logger	0.0 (m)		TDL
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.5 (m)		CDF
Casing Depth To	3485.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	27−Dec−2005	Time Logger At Bottom 8:45	DLAB, TLAB
Logging Unit Number	1	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	Paul Tarrant		ENGI
Witness's Name	Barrie White		WITN
Service Order Number	AUSL05148529		SON

Absent Valued Parameters: BLI, TLI, BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	27−Dec−2005	Time Logger At Bottom 8:45	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 corrleated to Solar log dated 21 Sep 2004 , provided by the client.	R1
Objective:	R3
To perforate the well at 3366m to 3373m MDKB 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 = psi, FBHT = degC	R8
Flowing: FBHP = psi, FBHT = degC	R9
API Data: PowerSpiral charges, UN 0441	R11
Pentration: 27.3"	R12
Entrance Hole: 0.25 "	R13
Specialist: Paul Tarrant	R15
Operators: Eddy Mezenberg & John Light	R16
Performed by Schlumberger	R17

Other Services

None	OS1

Frame Summary File: **PERFO_014LUP** Sequence: **2**

Origin: 37

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3390.60 m	3331.77 m	−60.0 (0.1 in) up	20	TDEP	60B
	11124.00 ft	10931.00 ft				
BOREHOLE−DEPTH	3390.60 m	3331.79 m	−10.0 (0.1 in) up	9	TDEP;1	10B
	11124.00 ft	10931.08 ft				

File Header File: **PERFO_015LTP** Sequence: **3**

File Header File: **PERFO_015LTP** Sequence: **3**

Defining Origin: 37

File ID: PERFO_015LTP File Type: STATION
Producer Name: Schlumberger Product/Version: OP 13C0−300 File Set: 41 File Number: 14 27−DEC−2005 8:54:53

Company Name: ExxonMobil
Well Name: MLA A−10aST1
Field Name: Marlin
Tool String: MWP_GUN, MWPT−CA, MWGT−A
Computations: WELLCAD

Error Summary File: **PERFO_015LTP** Sequence: **3**

No errors detected in file.

Well Site Data File: **PERFO_015LTP** Sequence: **3**

Origin: 37

Well Data

Company Name	ExxonMobil		CN
Well Name	MLA A−10aST1		WN
Field Name	Marlin		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	AUSL05148529		SON
Longitude	148 13' 09.81" E		LONG
Latitude	38 13' 55.49" S		LATI
Maximum Hole Deviation	45.0 (deg)		MHD
Elevation of Kelly Bushing	27.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	27.9 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Kelly Bushing	Above Permanent Datum 0.0 (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	27−Dec−2005		DATE
Run Number	1		RUN
Total Depth − Driller	3485.0 (m)		TDD
Total Depth − Logger	0.0 (m)		TDL
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.5 (m)		CDF
Casing Depth To	3485.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	27−Dec−2005	Time Logger At Bottom 8:45	DLAB, TLAB
Logging Unit Number	1	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	Paul Tarrant		ENGI
Witness's Name	Barrie White		WITN
Service Order Number	AUSL05148529		SON

Absent Valued Parameters: BLI, TLI, BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Date Logger At Bottom	27−Dec−2005	Time Logger At Bottom 8:45	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 corrleated to Solar log dated 21 Sep 2004 , provided by the client.	R1
Objective:	R3
To perforate the well at 3366m to 3373m MDKB using 2 1/8" Enerjet gun	R4

To perforate the well at 3306m to 3373m MDRB 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 = psi, FBHT = degC R8
Flowing: FBHP = psi, FBHT = degC R9
API Data: PowerSpiral charges, UN 0441 R11
Pentration: 27.3" R12
Entrance Hole: 0.25 " R13
Specialist: Paul Tarrant R15
Operators: Eddy Mezenberg & John Light R16
Performed by Schlumberger R17

Other Services

None OS1

Frame Summary File: **PERFO_015LTP** Sequence: **3**

Origin: 37

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	3623.69	4883.69 s	2000.0 (0.5 ms)	5	TIME;2	2000T
TIME	3623.69	4884.19 s	1000.0 (0.5 ms)	14	TIME;3	1000T
TIME	3623.69	4884.44 s	500.0 (0.5 ms)	4	TIME;4	500T

File Header File: **PERFO_024LUP** Sequence: **4**

Defining Origin: 72

File ID: PERFO_024LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 13C0−300 File Set: 41 File Number: 23 27−DEC−2005 12:22:32

Company Name: ExxonMobil
Well Name: MLA A−10aST1
Field Name: Marlin
Tool String: MWP_GUN, MWPT−CA, MWGT−A
Computations: WELLCAD

Error Summary File: **PERFO_024LUP** Sequence: **4**

No errors detected in file.

Well Site Data File: **PERFO_024LUP** Sequence: **4**

Origin: 72

Well Data

Company Name	ExxonMobil		CN
Well Name	MLA A−10aST1		WN
Field Name	Marlin		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	AUSL05148529		SON
Longitude	148 13' 09.81" E		LONG
Latitude	38 13' 55.49" S		LATI
Maximum Hole Deviation	45.0 (deg)		MHD
Elevation of Kelly Bushing	27.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	27.9 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 27.9 (m)	PDAT, EPD
Log Measured From	Kelly Bushing	Above Permanent Datum −27.9 (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	27−Dec−2005	DATE
Run Number	1	RUN
Total Depth − Driller	3485.0 (m)	TDD

Total Depth − Driller	3485.0 (m)			TDD
Total Depth − Logger	3400.0 (m)			TDL
Bottom Log Interval	3398.0 (m)			BLI
Top Log Interval	3329.9 (m)			TLI
Current Casing Size	7.00 (in)			CSIZ
Casing Depth From	12.5 (m)			CDF
Casing Depth To	3485.0 (m)			CADT
Casing Grade	L−80			CASG
Casing Weight	26.0 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Date Logger At Bottom	27−Dec−2005	Time Logger At Bottom 8:45		DLAB, TLAB
Logging Unit Number	1	Logging Unit Location AUSL		LUN, LUL
Engineer's Name	Paul Tarrant			ENGI
Witness's Name	Barrie White			WITN
Service Order Number	AUSL05148529			SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	131.0 (degC)		MRT
	131.0 (degC)		MRT1
Date Logger At Bottom	27−Dec−2005	Time Logger At Bottom 8:45	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 log dated 21 Sep 2004 , provided by the client.	R1
Objective:	R3
To perforate the well at 3366m to 3373m MDKB using 2 1/8" Enerjet gun	R4
loaded with PowerSpiral charges.	R5
Before perforating, obtain static FBHP and FBHT. After perforating, couldn't	R6
flow well due to no tubing head pressure but continued to monitor well for 15min	R7
Static: FBHP = 3625psi, FBHT = 263.1degF	R8
After Shooting: FBHP = 3632psi, FBHT = 267.4degF	R9
API Data: PowerSpiral charges, UN 0441	R11
Pentration: 27.3"	R12
Entrance Hole: 0.25 "	R13
Specialist: Paul Tarrant	R15
Operators: Eddy Mezenberg & John Light	R16
Performed by Schlumberger	R17

Other Services

None	OS1

Frame Summary File: **PERFO_024LUP** Sequence: **4**

Origin: 72

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3400.20 m	3341.98 m	−60.0 (0.1 in) up	20	TDEP	60B
	11155.50 ft	10964.50 ft				
BOREHOLE−DEPTH	3400.20 m	3342.00 m	−10.0 (0.1 in) up	9	TDEP;1	10B
	11155.50 ft	10964.58 ft				

File Header File: **PERFO_025LUP** Sequence: **5**

Defining Origin: 72

File ID: PERFO_025LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 13C0−300 File Set: 41 File Number: 24 27−DEC−2005 12:31:00

Company Name:	ExxonMobil
Well Name:	MLA A−10aST1
Field Name:	Marlin
Tool String:	MWP_GUN, MWPT−CA, MWGT−A
Computations:	WELLCAD

Error Summary File: **PERFO_025LUP** Sequence: **5**

No errors detected in file.

Well Site Data File: **PERFO_025LUP** Sequence: **5**

Origin: 72

Well Data

Company Name	ExxonMobil		CN
Well Name	MLA A−10aST1		WN
Field Name	Marlin		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	AUSL05148529		SON
Longitude	148 13' 09.81" E		LONG
Latitude	38 13' 55.49" S		LATI
Maximum Hole Deviation	45.0 (deg)		MHD
Elevation of Kelly Bushing	27.9 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	27.9 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 27.9 (m)	PDAT, EPD
Log Measured From	Kelly Bushing	Above Permanent Datum −27.9 (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	27−Dec−2005		DATE
Run Number	1		RUN
Total Depth − Driller	3485.0 (m)		TDD
Total Depth − Logger	3400.0 (m)		TDL
Bottom Log Interval	3398.0 (m)		BLI
Top Log Interval	3329.9 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.5 (m)		CDF
Casing Depth To	3485.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Date Logger At Bottom	27−Dec−2005	Time Logger At Bottom 8:45	DLAB, TLAB
Logging Unit Number	1	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	Paul Tarrant		ENGI
Witness's Name	Barrie White		WITN
Service Order Number	AUSL05148529		SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	131.0 (degC)		MRT
	131.0 (degC)		MRT1
Date Logger At Bottom	27−Dec−2005	Time Logger At Bottom 8:45	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 log dated 21 Sep 2004 , provided by the client.	R1
Objective:	R3
To perforate the well at 3366m to 3373m MDKB using 2 1/8" Enerjet gun	R4
loaded with PowerSpiral charges.	R5
Before perforating, obtain static FBHP and FBHT. After perforating, couldn't	R6
flow well due to no tubing head pressure but continued to monitor well for 15min	R7
Static: FBHP = 3625psi, FBHT = 263.1degF	R8
After Shooting: FBHP = 3632psi, FBHT = 267.4degF	R9
API Data: PowerSpiral charges, UN 0441	R11
Pentration: 27.3"	R12
Entrance Hole: 0.25 "	R13

Entrance Hole: 0.25 R15
Specialist: Paul Tarrant R15
Operators: Eddy Mezenberg & John Light R16
Performed by Schlumberger R17

Other Services

None OS1

Frame Summary File: **PERFO_025LUP** Sequence: **5**

Origin: 72

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	3390.29 m 11123.00 ft	3333.75 m 10937.50 ft	−60.0 (0.1 in) up	20	TDEP	60B
BOREHOLE−DEPTH	3390.29 m 11123.00 ft	3333.78 m 10937.58 ft	−10.0 (0.1 in) up	9	TDEP;1	10B

Schlumberger **Verification Listing**

Listing Completed: 27−DEC−2005 12:52:33