

Input Source: D:\OP_Folder\Clients\Essco_2009\TNA_A1L\PFCS\COMP_MWPT_MPBT_COMP_189.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_139LUP** Sequence: **1**

Defining Origin: 119

File ID: PERFO_139LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 15

26-DEC-2009 8:57:16

Company Name: Esso Australia Pty Ltd.

Well Name: A-1L

Field Name: Tuna

Tool String: MWP_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_139LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_139LUP** Sequence: **1**

Origin: 119

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-1L	WN
Field Name	Tuna	FN
Rig:	Prod 4 / Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LATI
Maximum Hole Deviation	59.5 (deg)	MHD
Elevation of Kelly Bushing	32.9 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	32.9 (m)	EDF
Permanent Datum	M.S.L.	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 32.9 (m)	

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

Job Data

Date as Month-Day-Year	18-Dec-2009	DATE
Run Number	1	RUN
Total Depth - Driller	3244.0 (m)	TDD
Total Depth - Logger	2973.0 (m)	TDL
Bottom Log Interval	2973.0 (m)	BLI
Top Log Interval	1928.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	1936.4 (m)	CDF
Casing Depth To	3224.6 (m)	CADT
Casing Grade	K-55	CASG
Casing Weight	23.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	1942.5 (m)	BSDF
Bit Size Depth To	3244.0 (m)	BSDT
Date Logger At Bottom	18-Dec-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	Owen Darby	ENGI
Witness's Name	David Madden	WITN
	Time Logger At Bottom 11:00	
	Logging Unit Location Prod 4 / AUSL	

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type

Maximum Recorded Temperature

Date Logger At Bottom

Production Fluids

229.0 (degF)

230.0 (degF)

18-Dec-2009

Time Logger At Bottom

11:00

DFT

MRT

MRT1

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 ExxonMobil solar composite log supplied with logging program.

Objective:

Make up full PLT toolstring incorporating GR/CCL/Gradio/IL-Spinner/FB-Spinner/Pressure/Temperature

Static:

Conduct a downwards logging pass over the interval 1928m to HUD (2973m MDKB) @10m/min (1970ft/hr). Complete spinner calibration passes.

Complete an upwards logging pass over the interval HUD (2973m) to 1928m MDKB.

Flowing:

RIH to HUD and flow well to test separator, wait for well to stabilise.

Conduct two up passes and two down passes over interval 2880 – 2973m at varied speific speeds –

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

R11

R12

Other Services

2-1/8" PowerJet Perf

4-1/2" MPBT Plug

2-1/8" Dump bailers

Tubing patch

OS1

OS2

OS3

OS4

Frame Summary						
File: PERFO_139LUP		Sequence: 1				
Origin: 119						
<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	2892.09	2830.68 m	-60.0 (0.1 in) up	22	TDEP	60B
	9488.50	9287.00 ft				
BOREHOLE-DEPTH	2892.09	2830.70 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	9488.50	9287.08 ft				

File Header

File: PERFO_140LUP

Sequence: 2

Defining Origin: 119

File ID: PERFO_140LUP

File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 16

26-DEC-2009 9:05:53

Company Name: Esso Australia Pty Ltd.

Well Name: A-1L

Field Name: Tuna

Tool String: MWP_GUN, MWPT-CA, MWGT-AA

Computations: WELLCAD, BORDYN

Error Summary		
File: PERFO_140LUP		Sequence: 2
No errors detected in file.		

Well Site Data

File: PERFO_140LUP

Sequence: 2

Origin: 119

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-1L	WN
Field Name	Tuna	FN
Rig:	Prod 4 / Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Longitude	148° 25' 05.29"E	LONG
Latitude	38° 10' 16.00"S	LATI
Maximum Hole Deviation	59.5 (deg)	MHD
Elevation of Kelly Bushing	32.9 (m)	EKB
Elevation of Ground Level	91.4 (m)	EGL
Elevation of Derrick Floor	32.9 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	K.B	LMF, APD
Drilling Measured From	K.B	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 32.9 (m)	

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

Job Data

Date as Month-Day-Year	18-Dec-2009	DATE
Run Number	1	RUN
Total Depth - Driller	3244.0 (m)	TDD
Total Depth - Logger	2973.0 (m)	TDL
Bottom Log Interval	2973.0 (m)	BLI
Top Log Interval	1928.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	1936.4 (m)	CDF
Casing Depth To	3224.6 (m)	CADT
Casing Grade	K-55	CASG
Casing Weight	23.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	1942.5 (m)	BSDF
Bit Size Depth To	3244.0 (m)	BSDT
Date Logger At Bottom	18-Dec-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	Owen Darby	ENGI
Witness's Name	David Madden	WITN
	Time Logger At Bottom 11:00	
	Logging Unit Location Prod 4 / AUSL	

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	229.0 (degF)	MRT
	230.0 (degF)	MRT1
Date Logger At Bottom	18-Dec-2009	DLAB, TLAB
	Time Logger At Bottom 11:00	

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 ExxonMobil solar composite log supplied with logging program.	R1
Objective:	R2
Make up full PLT toolstring incorporating GR/CCL/Gradio/IL-Spinner/FB-Spinner/	R3
Pressure/Temperature	R4
Static:	R5
Conduct a downwards logging pass over the interval 1928m to HUD (2973m MDKB)	R6
@10m/min (1970ft/hr). Complete spinner calibration passes.	R7
Complete an upwards logging pass over the interval HUD (2973m) to 1928m MDKB.	R8
Flowing:	R9
RIH to HUD and flow well to test separator, wait for well to stabilise.	R10
Conduct two up passes and two down passes over interval 2880 - 2973m at varied	R11
specific speeds -	R12

Other Services

2-1/8" PowerJet Perf	OS1
4-1/2" MPBT Plug	OS2
2-1/8" Dump bailers	OS3
Tubing patch	OS4

Frame Summary							File: PERFO_140LUP	Sequence: 2
Origin: 119								
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name		
BOREHOLE-DEPTH	2887.52	2801.87 m	-60.0 (0.1 in) up	22	TDEP	60B		
	9473.50	9192.50 ft						
BOREHOLE-DEPTH	2887.52	2801.90 m	-10.0 (0.1 in) up	10	TDEP;1	10B		
	9473.50	9192.58 ft						

File Header							File: PERFO_143PTP	Sequence: 3
Defining Origin: 119								
File ID: PERFO_143PTP							File Type: PLAYBACK	
Producer Name: Schlumberger		Product/Version: OP 17C0-154			File Set: 41	File Number: 19	26-DEC-2009 10:11:12	
Company Name:	Esso Australia Pty Ltd.							
Well Name:	A-1L							
Field Name:	Tuna							
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA							
Computations:	WELLCAD, BORDYN							

<div> <div>Error Summary</div> <div>File: PERFO_143PTP</div> <div>Sequence: 3</div> </div>		
No errors detected in file.		

<div> <div>Well Site Data</div> <div>File: PERFO_143PTP</div> <div>Sequence: 3</div> </div>																																																																																													
<div>Origin: 119</div> <div> <div>Well Data</div> <table> <tr> <td>Company Name</td><td>Esso Australia Pty Ltd.</td><td>CN</td></tr> <tr> <td>Well Name</td><td>A-1L</td><td>WN</td></tr> <tr> <td>Field Name</td><td>Tuna</td><td>FN</td></tr> <tr> <td>Rig:</td><td>Prod 4 / Crane</td><td>CLAB, COUN</td></tr> <tr> <td>State:</td><td>Victoria</td><td>SLAB, STAT</td></tr> <tr> <td>Nation</td><td>Australia</td><td>NATI</td></tr> <tr> <td rowspan="3">Field Location</td><td>Gippsland</td><td>FL</td></tr> <tr> <td>Basin</td><td>FL1</td></tr> <tr> <td>Bass Strait</td><td>FL2</td></tr> <tr> <td>Longitude</td><td>148° 25' 05.29"E</td><td>LONG</td></tr> <tr> <td>Latitude</td><td>38° 10' 16.00"S</td><td>LATI</td></tr> <tr> <td>Maximum Hole Deviation</td><td>59.5 (deg)</td><td>MHD</td></tr> <tr> <td>Elevation of Kelly Bushing</td><td>32.9 (m)</td><td>EKB</td></tr> <tr> <td>Elevation of Ground Level</td><td>91.4 (m)</td><td>EGL</td></tr> <tr> <td>Elevation of Derrick Floor</td><td>32.9 (m)</td><td>EDF</td></tr> <tr> <td>Permanent Datum</td><td>M.S.L</td><td>PDAT, EPD</td></tr> <tr> <td>Log Measured From</td><td>K.B</td><td>LMF, APD</td></tr> <tr> <td>Drilling Measured From</td><td>K.B</td><td>DMF</td></tr> </table> <div>Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN, SON</div> <div> <div>Job Data</div> <table> <tr> <td>Date as Month-Day-Year</td><td>18-Dec-2009</td><td>DATE</td></tr> <tr> <td>Run Number</td><td>1</td><td>RUN</td></tr> <tr> <td>Total Depth – Driller</td><td>3244.0 (m)</td><td>TDD</td></tr> <tr> <td>Total Depth – Logger</td><td>2973.0 (m)</td><td>TDL</td></tr> <tr> <td>Bottom Log Interval</td><td>2973.0 (m)</td><td>BLI</td></tr> <tr> <td>Top Log Interval</td><td>1928.0 (m)</td><td>TLI</td></tr> <tr> <td>Current Casing Size</td><td>7.00 (in)</td><td>CSIZ</td></tr> <tr> <td>Casing Depth From</td><td>1936.4 (m)</td><td>CDF</td></tr> <tr> <td>Casing Depth To</td><td>3224.6 (m)</td><td>CADT</td></tr> <tr> <td>Casing Grade</td><td>K-55</td><td>CASG</td></tr> <tr> <td>Casing Weight</td><td>23.0 (lbm/ft)</td><td>CWEI</td></tr> <tr> <td>Bit Size</td><td>8.50 (in)</td><td>BS</td></tr> <tr> <td>Bit Size Depth From</td><td>1942.5 (m)</td><td>BSDF</td></tr> </table> </div> </div>			Company Name	Esso Australia Pty Ltd.	CN	Well Name	A-1L	WN	Field Name	Tuna	FN	Rig:	Prod 4 / Crane	CLAB, COUN	State:	Victoria	SLAB, STAT	Nation	Australia	NATI	Field Location	Gippsland	FL	Basin	FL1	Bass Strait	FL2	Longitude	148° 25' 05.29"E	LONG	Latitude	38° 10' 16.00"S	LATI	Maximum Hole Deviation	59.5 (deg)	MHD	Elevation of Kelly Bushing	32.9 (m)	EKB	Elevation of Ground Level	91.4 (m)	EGL	Elevation of Derrick Floor	32.9 (m)	EDF	Permanent Datum	M.S.L	PDAT, EPD	Log Measured From	K.B	LMF, APD	Drilling Measured From	K.B	DMF	Date as Month-Day-Year	18-Dec-2009	DATE	Run Number	1	RUN	Total Depth – Driller	3244.0 (m)	TDD	Total Depth – Logger	2973.0 (m)	TDL	Bottom Log Interval	2973.0 (m)	BLI	Top Log Interval	1928.0 (m)	TLI	Current Casing Size	7.00 (in)	CSIZ	Casing Depth From	1936.4 (m)	CDF	Casing Depth To	3224.6 (m)	CADT	Casing Grade	K-55	CASG	Casing Weight	23.0 (lbm/ft)	CWEI	Bit Size	8.50 (in)	BS	Bit Size Depth From	1942.5 (m)	BSDF
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Bit Size Depth To	3244.0 (m)	Time Logger At Bottom	11:00	BSDT
Date Logger At Bottom	18-Dec-2009	Logging Unit Location	Prod 4 / AUSL	DLAB, TLAB
Logging Unit Number	889			LUN, LUL
Engineer's Name	Owen Darby			ENGI
Witness's Name	David Madden			WITN
Absent Valued Parameters: SON				
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	229.0 (degF)			MRT
	230.0 (degF)			MRT1
Date Logger At Bottom	18-Dec-2009	Time Logger At Bottom	11:00	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 ExxonMobil solar composite log supplied with logging program.				R1
Objective:				R2
Make up full PLT toolstring incorporating GR/CCL/Gradio/IL-Spinner/FB-Spinner/				R3
Pressure/Temperature				R4
Static:				R5
Conduct a downwards logging pass over the interval 1928m to HUD (2973m MDKB)				R6
@10m/min (1970ft/hr). Complete spinner calibration passes.				R7
Complete an upwards logging pass over the interval HUD (2973m) to 1928m MDKB.				R8
Flowing:				R9
RIH to HUD and flow well to test separator, wait for well to stabilise.				R10
Conduct two up passes and two down passes over interval 2880 – 2973m at varied				R11
speific speeds –				R12
Other Services				
2–1/8" PowerJet Perf				OS1
4–1/2" MPBT Plug				OS2
2–1/8" Dump bailers				OS3
Tubing patch				OS4

Frame Summary						
File: PERFO_143PTP		Sequence: 3				
Origin: 119						
<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	0.00	2314.00 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	0.00	2313.50 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	0.00	2313.75 s	500.0 (0.5 ms)	4	TIME;5	500T

File Header							File: PERFO_152PUP	Sequence: 4			
Defining Origin: 50											
File ID: PERFO_152PUP File Type: PLAYBACK											
Producer Name: Schlumberger			Product/Version: OP 17C0-154			File Set: 41		File Number: 28		26-DEC-2009 12:41:56	
Company Name:		Esso Australia Pty Ltd.									
Well Name:		A-1L									
Field Name:		Tuna									
Tool String:		MWP_GUN, MWPT-CA, MWGT-AA									
Computations:		WELLCAD, BORDYN									

Error Summary		
File: PERFO_152PUP		Sequence: 4
No errors detected in file.		

Well Site Data		
File: PERFO_152PUP		Sequence: 4
Origin: 50		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN

Well Name	A-1L		WN
Field Name	Tuna		FN
Rig:	Prod 4 / Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Longitude	148° 25' 05.29"E		LONG
Latitude	38° 10' 16.00"S		LATI
Maximum Hole Deviation	59.5 (deg)		MHD
Elevation of Kelly Bushing	32.9 (m)		EKB
Elevation of Ground Level	91.4 (m)		EGL
Elevation of Derrick Floor	32.9 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)
Log Measured From	K.B	Above Permanent Datum	32.9 (m)
Drilling Measured From	K.B		LMF, APD
			DMF

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

Job Data

Date as Month–Day–Year	18–Dec–2009		DATE
Run Number	1		RUN
Total Depth – Driller	3244.0 (m)		TDD
Total Depth – Logger	2973.0 (m)		TDL
Bottom Log Interval	2973.0 (m)		BLI
Top Log Interval	1928.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	1936.4 (m)		CDF
Casing Depth To	3224.6 (m)		CADT
Casing Grade	K–55		CASG
Casing Weight	23.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	1942.5 (m)		BSDF
Bit Size Depth To	3244.0 (m)		BSDT
Date Logger At Bottom	18–Dec–2009	Time Logger At Bottom	11:00
Logging Unit Number	889	Logging Unit Location	Prod 4 / AUSL
Engineer's Name	Owen Darby		DLAB, TLAB
Witness's Name	David Madden		LUN, LUL
			ENGI
			WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	229.0 (degF)		MRT
	230.0 (degF)		MRT1
Date Logger At Bottom	18–Dec–2009	Time Logger At Bottom	11:00
			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 ExxonMobil solar composite log supplied with logging program.		R1
Objective:		R2
Make up full PLT toolstring incorporating GR/CCL/Gradio/IL–Spinner/FB–Spinner/		R3
Pressure/Temperature		R4
Static:		R5
Conduct a downwards logging pass over the interval 1928m to HUD (2973m MDKB)		R6
@10m/min (1970ft/hr). Complete spinner calibration passes.		R7
Complete an upwards logging pass over the interval HUD (2973m) to 1928m MDKB.		R8
Flowing:		R9
RIH to HUD and flow well to test separator, wait for well to stabilise.		R10
Conduct two up passes and two down passes over interval 2880 – 2973m at varied		R11
speific speeds –		R12

Other Services

2–1/8" PowerJet Perf		OS1
4–1/2" MPBT Plug		OS2
2–1/8" Dump bailers		OS3
Tubing patch		OS4

Origin: 50

<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	2976.68 9766.00	2786.33 m 9141.50 ft	-60.0 (0.1 in) up	22	TDEP	60B
BOREHOLE-DEPTH	2976.68 9766.00	2786.51 m 9142.08 ft	-10.0 (0.1 in) up	10	TDEP;1	10B

File Header File: CCL_160LUP Sequence: 5

Defining Origin: 90					
File ID: CCL_160LUP File Type: DEPTH LOG					
Producer Name: Schlumberger		Product/Version: OP 17C0-154		File Set: 41	File Number: 36 26-DEC-2009 14:39:49
Tool String: MPEX-CA, MPSU-CA, CCL-I					
Computations: WELLCAD					

Error Summary File: CCL_160LUP Sequence: 5

No errors detected in file.

Well Site Data File: CCL_160LUP Sequence: 5

Origin: 90					
Well Data					
Permanent Datum		GROUND LEVEL			PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF					
Job Data					
Run Number		1			RUN
Current Casing Size		0.0 (in)			CSIZ
Casing Weight		0.0 (lbm/ft)			CWEI
Bit Size		8.00 (in)			BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON					
Mud Data					
Absent Valued Parameters: DFT, DFD, 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					

Frame Summary File: CCL_160LUP Sequence: 5

Origin: 90						
<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	2960.07	2885.69 m	-60.0 (0.1 in) up	7	TDEP	60B
	9711.50	9467.50 ft				
BOREHOLE-DEPTH	2960.07	2885.72 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	9711.50	9467.58 ft				

File Header File: CCL_163LUP Sequence: 6

Defining Origin: 90					
File ID: CCL_163LUP File Type: DEPTH LOG					
Producer Name: Schlumberger		Product/Version: OP 17C0-154		File Set: 41	File Number: 39 26-DEC-2009 14:58:50
Tool String: MPEX-CA, MPSU-CA, CCL-I					
Computations: WELLCAD					

Error Summary	File: CCL_163LUP	Sequence: 6
No errors detected in file.		

Well Site Data	File: CCL_163LUP	Sequence: 6
Origin: 90		
Well Data		
Permanent Datum	GROUND LEVEL	PDAT
Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF		
Job Data		
Run Number	1	RUN
Current Casing Size	0.0 (in)	CSIZ
Casing Weight	0.0 (lbm/ft)	CWEI
Bit Size	8.00 (in)	BS
Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON		
Mud Data		
Absent Valued Parameters: DFT, DFD, 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		

Frame Summary		File: CCL_163LUP	Sequence: 6			
Origin: 90						
<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	12192.00	11663.78 m	-60.0 (0.1 in) up	7	TDEP	60B
	40000.00	38267.00 ft				
BOREHOLE-DEPTH	12192.00	11663.81 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00	38267.08 ft				

File Header	File: PERFO_175PUP	Sequence: 7
Defining Origin: 16		
File ID: PERFO_175PUP File Type: PLAYBACK		
Producer Name: Schlumberger		Product/Version: OP 17C0-154
		File Set: 41
		File Number: 51
		27-DEC-2009 8:19:15
Tool String: SHM_GUN, CCL-L		
Computations: WELLCAD		

Error Summary	File: PERFO_175PUP	Sequence: 7
No errors detected in file.		

Well Site Data	File: PERFO_175PUP	Sequence: 7
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Origin: 16**Well Data**

Permanent Datum

GROUND LEVEL

PDAT

Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF

Job Data

Run Number

1

RUN

Current Casing Size

0.0 (in)

CSIZ

Casing Weight

0.0 (lbm/ft)

CWEI

Bit Size

8.00 (in)

BS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON

Mud Data

Absent Valued Parameters: DFT, DFD, 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

Frame SummaryFile: **PERFO_175PUP**Sequence: **7****Origin: 16**

<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	2902.61	2803.70 m	-60.0 (0.1 in) up	7	TDEP	60B
	9523.00	9198.50 ft				
BOREHOLE-DEPTH	2902.61	2803.73 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	9523.00	9198.58 ft				

File HeaderFile: **PERFO_178PUP**Sequence: **8****Defining Origin: 16**

File ID: PERFO_178PUP File Type: PLAYBACK

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 54

27-DEC-2009 9:19:26

Tool String: SHM_GUN, CCL-L

Computations: WELLCAD

Error SummaryFile: **PERFO_178PUP**Sequence: **8**

No errors detected in file.

Well Site DataFile: **PERFO_178PUP**Sequence: **8****Origin: 16****Well Data**

Permanent Datum

GROUND LEVEL

PDAT

Absent Valued Parameters: CN, CN1, WN, FN, COUN, STAT, NATI, CONT, FL, FL1, FL2, SECT, TOWN, RANG, APIN, SON, LONG, LATI, MHD, EKB, EGL, EDF, EPD, LMF, APD, DMF

Job Data

Run Number

1

RUN

Current Casing Size

0.0 (in)

CSIZ

Casing Weight

0.0 (lbm/ft)

CWEI

Bit Size

8.00 (in)

BS

Absent Valued Parameters: DATE, TDD, TDL, BLI, TLI, CDF, CADT, CASG, BSDF, BSDT, DLAB, TLAB, LUN, LUL, ENGI, WITN, SON

Mud Data

Absent Valued Parameters: DFT, DFD, 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

Frame Summary File: PERFO_178PUP Sequence: 8

Origin: 16

<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	2903.07	2805.84 m	-60.0 (0.1 in) up	7	TDEP	60B
	9524.50	9205.50 ft				
BOREHOLE-DEPTH	2903.07	2805.86 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	9524.50	9205.58 ft				



Verification Listing

Listing Completed: 27-DEC-2009 14:30:09