

Input Source: D:\OP_Folder\Clients\Eso2008_OP16\HLA_A16a\GUN\COMP_HLA_A16A_COMP_021.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_014LUP** Sequence: **1**

Defining Origin: 48

File ID: PERFO_014LUP File Type: DEPTH LOG

Producer Name: Schlumberger

Product/Version: OP 16C0-147

File Set: 41

File Number: 13

12-JAN-2009 16:23:27

Company Name: Esso Australia Pty Ltd.

Well Name: A-16a

Field Name: Halibut

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

Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_014LUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_014LUP** Sequence: **1**

Origin: 48

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-16a	WN
Field Name	Halibut	FN
Rig:	Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AXWT-00009	SON
Longitude	148° 19' 07.62"E	LONG
Latitude	38° 24' 20.36"S	LATI
Maximum Hole Deviation	19.0 (deg)	MHD
Elevation of Kelly Bushing	29.5 (m)	EKB
Elevation of Ground Level	-73.0 (m)	EGL
Elevation of Derrick Floor	29.5 (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	29.5 (m)

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

Job Data

Date as Month-Day-Year	5-Jan-2009	DATE
Run Number	1	RUN
Total Depth - Driller	2489.4 (m)	TDD
Total Depth - Logger	2489.0 (m)	TDL
Bottom Log Interval	2434.0 (m)	BLI
Top Log Interval	2380.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.0 (m)	CDF
Casing Depth To	2563.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	535.0 (m)	BSDF
Bit Size Depth To	3273.0 (m)	BSDT
Date Logger At Bottom	5-Jan-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert , B Donahoe	ENGI
Witness's Name	D Madden	WITN
Service Order Number	AXWT-00009	SON
	Time Logger At Bottom	11:00
	Logging Unit Location	Prod 4 / AUSL

Mud Data

Mud Data		Production Fluids		DFT
Drilling Fluid Type		220.0 (degF)		MRT
Maximum Recorded Temperature		220.0 (degF)		MRT1
Date Logger At Bottom	5-Jan-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
Objectives: Perforate the well over the interval 2432m – 2434m MDKB using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.				R2
Maximum deviation of well of 48 deg @ 2316m MDKB.				R3
HUD not tagged with Perforating Guns				R4
Perforation interval: 2432m to 2434m MDKB.				R5
CCL to top shot = m MDKB				R6
CCL Stop Depth = m MDKB				R7
Before gun shot: SBHT = degF SBHP = psia				R8
After gun shot: SBHT = degF SBHP = psia				R9
Schlumberger crews: J Light, C Shiells				R17

Frame Summary		File: PERFO_014LUP	Sequence: 1			
Origin: 48						
<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	2454.40	2422.40 m	-60.0 (0.1 in) up	22	TDEP	60B
	8052.50	7947.50 ft				
BOREHOLE-DEPTH	2454.40	2422.42 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	8052.50	7947.58 ft				

File Header		File: PERFO_016LUP	Sequence: 2
Defining Origin: 48			
File ID: PERFO_016LUP File Type: DEPTH LOG			
Producer Name: Schlumberger		Product/Version: OP 16C0-147	File Set: 41
			File Number: 15
			12-JAN-2009 16:34:00
Company Name:	Esso Australia Pty Ltd.		
Well Name:	A-16a		
Field Name:	Halibut		
Tool String:	MWP_GUN, MWPT-CA, MWGT-AA		
Computations:	WELLCAD, BORDYN		

Error Summary		File: PERFO_016LUP	Sequence: 2
No errors detected in file.			

Well Site Data		File: PERFO_016LUP	Sequence: 2
Origin: 48			
Well Data			
Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-16a		WN
Field Name	Halibut		FN
Rig:	Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	AXWT-00009		SON
Longitude	148° 19' 07.62"E		LONG
Latitude	38° 24' 20.36"S		LATI

Latitude	30 24 20.30 S			LAT
Maximum Hole Deviation	19.0 (deg)			MHD
Elevation of Kelly Bushing	29.5 (m)			EKB
Elevation of Ground Level	-73.0 (m)			EGL
Elevation of Derrick Floor	29.5 (m)			EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum	29.5 (m)	LMF, APD
Drilling Measured From	K.B			DMF

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

Job Data

Date as Month-Day-Year	5-Jan-2009			DATE
Run Number	1			RUN
Total Depth - Driller	2489.4 (m)			TDD
Total Depth - Logger	2489.0 (m)			TDL
Bottom Log Interval	2434.0 (m)			BLI
Top Log Interval	2380.0 (m)			TLI
Current Casing Size	7.00 (in)			CSIZ
Casing Depth From	12.0 (m)			CDF
Casing Depth To	2563.0 (m)			CADT
Casing Grade	L-80			CASG
Casing Weight	26.0 (lbm/ft)			CWEI
Bit Size	8.50 (in)			BS
Bit Size Depth From	535.0 (m)			BSDF
Bit Size Depth To	3273.0 (m)			BSDT
Date Logger At Bottom	5-Jan-2009	Time Logger At Bottom	11:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert , B Donahoe			ENGI
Witness's Name	D Madden			WITN
Service Order Number	AXWT-00009			SON

Mud Data

Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	226.0 (degF)			MRT
	226.0 (degF)			MRT1
Date Logger At Bottom	5-Jan-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
Objectives: Perforate the well over the interval 2432m - 2434m MDKB using 2-1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.	R2
Maximum deviation of well of 48 deg @ 2316m MDKB.	R3
HUD not tagged with Perforating Guns	R4
Perforation interval: 2432m to 2434m MDKB.	R5
CCL to top shot = 3.6m MDKB	R6
CCL Stop Depth = 2428.4 m MDKB	R7
Before gun shot: SBHT = degF SBHP = psia	R8
After gun shot: SBHT = degF SBHP = psia	R9
Schlumberger crews: J Light, C Shiells	R17

Frame Summary File: PERFO_016LUP Sequence: 2

Origin: 48

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	2451.81	2417.22 m	-60.0 (0.1 in) up	22	TDEP	60B
	8044.00	7930.50 ft				
BOREHOLE-DEPTH	2451.81	2417.24 m	-10.0 (0.1 in) up	10	TDEP;1	10B
	8044.00	7930.58 ft				

File Header File: PERFO_016LUP Sequence: 2

File Header		File: PERFO_017LTP	Sequence: 3
Defining Origin: 48			
File ID: PERFO_017LTP File Type: STATION			
Producer Name: Schlumberger		Product/Version: OP 16C0-147	File Set: 41
		File Number: 16	12-JAN-2009 16:37:32
Company Name: Esso Australia Pty Ltd.			
Well Name: A-16a			
Field Name: Halibut			
Tool String: MWP_GUN, MWPT-CA, MWGT-AA			
Computations: WELLCAD, BORDYN			

Error Summary	File: PERFO_017LTP	Sequence: 3
No errors detected in file.		

Well Site Data	File: PERFO_017LTP	Sequence: 3
Origin: 48		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-16a	WN
Field Name	Halibut	FN
Rig:	Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AXWT-00009	SON
Longitude	148° 19' 07.62"E	LONG
Latitude	38° 24' 20.36"S	LATI
Maximum Hole Deviation	19.0 (deg)	MHD
Elevation of Kelly Bushing	29.5 (m)	EKB
Elevation of Ground Level	-73.0 (m)	EGL
Elevation of Derrick Floor	29.5 (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		29.5 (m)
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN		

Job Data		
Date as Month-Day-Year	5-Jan-2009	DATE
Run Number	1	RUN
Total Depth - Driller	2489.4 (m)	TDD
Total Depth - Logger	2489.0 (m)	TDL
Bottom Log Interval	2434.0 (m)	BLI
Top Log Interval	2380.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	12.0 (m)	CDF
Casing Depth To	2563.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	8.50 (in)	BS
Bit Size Depth From	535.0 (m)	BSDF
Bit Size Depth To	3273.0 (m)	BSDT
Date Logger At Bottom	5-Jan-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	S Gilbert , B Donahoe	ENGI
Witness's Name	D Madden	WITN
Service Order Number	AXWT-00009	SON
Time Logger At Bottom		11:00
Logging Unit Location		Prod 4 / AUSL
Mud Data		
Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	226.0 (degF)	MRT
	226.0 (degF)	MRT1
Date Logger At Bottom	5-Jan-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

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: Perforate the well over the interval 2432m – 2434m MDKB using 2–1/8" 6 SPF, 45 deg phased Powerjet gun with MWPT.	R2
Maximum deviation of well of 48 deg @ 2316m MDKB.	R3
HUD not tagged with Perforating Guns	R4
Perforation interval: 2432m to 2434m MDKB.	R5
CCL to top shot = 3.6m MDKB	R6
CCL Stop Depth = 2428.4 m MDKB	R7
Before gun shot: SBHT = degF SBHP = psia	R8
After gun shot: SBHT = degF SBHP = psia	R9
Schlumberger crews: J Light, C Shiells	R17

Frame Summary File: PERFO_017LTP Sequence: 3

Origin: 48

<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	3611.69	4999.69 s	2000.0 (0.5 ms)	7	TIME;2	2000T
TIME	3611.69	4999.69 s	1000.0 (0.5 ms)	14	TIME;4	1000T
TIME	3611.69	4999.94 s	500.0 (0.5 ms)	4	TIME;5	500T



Verification Listing

Listing Completed: 12–JAN–2009 18:40:55