Schlumberger Verification Listing

Listing Created: 31−JAN−2007 6:48:02
Version: 14C0−302

Input Source: D:\OP_Folder\Clients\Esso_Australia\BMA_A−24a\MPEXCA\COMP_ENERJET_MPBT_COMP_020.DLIS
Format: DLIS
Storage Set ID: Default Storage Set
Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **PERFO_049PUP** Sequence: **1**

Defining Origin: 35

File ID: PERFO_049PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 14C0−302 File Set: 41 File Number: 52 31−JAN−2007 3:49:37

Company Name: Esso Australia Pty. Ltd.
Well Name: BMA A−24a
Field Name: Bream
Tool String: SHM_GUN, CCL−L
Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_049PUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **PERFO_049PUP** Sequence: **1**

Origin: 35

Well Data

Company Name	Esso Australia Pty. Ltd.		CN
Well Name	BMA A−24a		WN
Field Name	Bream		FN
Rig:	Prod 2 / ISS Rig 22		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Bass Strait		FL
	Gippsland		FL1
	Basin		FL2
Longitude	147*46'15"E		LONG
Latitude	38*30'4"S		LATI
Maximum Hole Deviation	51.0 (deg)		MHD
Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 33.5 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	30−Jan−2007		DATE
Run Number	1		RUN
Total Depth − Driller	2213.0 (m)		TDD
Total Depth − Logger	2143.0 (m)		TDL
Bottom Log Interval	2138.3 (m)		BLI
Top Log Interval	2136.2 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	13.0 (m)		CDF
Casing Depth To	2212.0 (m)		CADT
Casing Grade	N80		CASG
Casing Weight	43.5 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	879.0 (m)		BSDF
Bit Size Depth To	2213.0 (m)		BSDT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe		ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Produced Fluids			DFT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom	8:15	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 ESSO Solar composite log.	R1
Objective: to perforate using 2−1/8" 45 deg phased Powerjets with a 300psi underbalance,	R2
to set a MPBT plug, isolating the existing open perforations, then dump cement on top of the plug.	R3
Explosives used: 2−1/8" +/− 45 Deg Phased Powerjets, HMX.	R4
Interval Perforated: 2136.2−2138.3M, with MWPT (Pressure/ Temperature) in combination.	R5
Underbalanced could not be achieved before perforation, as well didn't flow. THP was bled to 0 psi.	R6
Pressure after firing was 2620 psia.	R7
9−5/8" MPBT plug (H345700) was set at 2140 M (Top Anchor).	R8
1 bailer of fresh water was then dumped on top of the MPBT plug, followed by 1 x 40ft	R9
2−1/8" Cement Bailers. Dumping approx. 0.50 m of cement on top of the plug	R10
Schlumberger Crew:	R14
Days: B.Glover (crew chief), M.Hancock	R15
Nights: D.Stuckey (crew chief), S.Kiss	R16

Other Services

TBT (Water Dump)	OS1
TBT (Cement Dump)	OS2

Frame Summary File: **PERFO_049PUP** Sequence: **1**

Origin: 35

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2128.42 m	2049.17 m	−60.0 (0.1 in) up	11	TDEP	60B
	6983.00 ft	6723.00 ft				
BOREHOLE−DEPTH	2128.42 m	2049.20 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	6983.00 ft	6723.08 ft				

File Header File: **PERFO_050LUP** Sequence: **2**

Defining Origin: 35

File ID: PERFO_050LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 14C0−302 File Set: 41 File Number: 51 31−JAN−2007 3:21:47

Company Name:	Esso Australia Pty. Ltd.
Well Name:	BMA A−24a
Field Name:	Bream
Tool String:	SHM_GUN, CCL−L
Computations:	WELLCAD, BORDYN

Error Summary File: **PERFO_050LUP** Sequence: **2**

No errors detected in file.

Well Site Data File: **PERFO_050LUP** Sequence: **2**

Origin: 35

Well Data

Company Name	Esso Australia Pty. Ltd.	CN
Well Name	BMA A−24a	WN
Field Name	Bream	FN
Rig:	Prod 2 / ISS Rig 22	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
	Basin	FL2
Longitude	147*46'15"E	LONG
Latitude	38*30'4"S	LATI
Maximum Hole Deviation	51.0 (deg)	MHD

Maximum Hole Deviation	31.0 (deg)		MHD
Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 33.5 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	30−Jan−2007		DATE
Run Number	1		RUN
Total Depth − Driller	2213.0 (m)		TDD
Total Depth − Logger	2143.0 (m)		TDL
Bottom Log Interval	2138.3 (m)		BLI
Top Log Interval	2136.2 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	13.0 (m)		CDF
Casing Depth To	2212.0 (m)		CADT
Casing Grade	N80		CASG
Casing Weight	43.5 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	879.0 (m)		BSDF
Bit Size Depth To	2213.0 (m)		BSDT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe		ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Produced Fluids		DFT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	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 ESSO Solar composite log.	R1
Objective: to perforate using 2−1/8" 45 deg phased Powerjets with a 300psi underbalance,	R2
to set a MPBT plug, isolating the existing open perforations, then dump cement on top of the plug.	R3
Explosives used: 2−1/8" +/− 45 Deg Phased Powerjets, HMX.	R4
Interval Perforated: 2136.2−2138.3M, with MWPT (Pressure/ Temperature) in combination.	R5
Underbalanced could not be achieved before perforation, as well didn't flow. THP was bled to 0 psi.	R6
Pressure after firing was 2620 psia.	R7
9−5/8" MPBT plug (H345700) was set at 2140 M (Top Anchor).	R8
1 bailer of fresh water was then dumped on top of the MPBT plug, followed by 1 x 40ft	R9
2−1/8" Cement Bailers. Dumping approx. 0.50 m of cement on top of the plug	R10
Schlumberger Crew:	R14
Days: B.Glover (crew chief), M.Hancock	R15
Nights: D.Stuckey (crew chief), S.Kiss	R16

Other Services

TBT (Water Dump)	OS1
TBT (Cement Dump)	OS2

Frame Summary File: **PERFO_050LUP** Sequence: **2**

Origin: 35

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2127.81 m 6981.00 ft	1996.14 m 6549.00 ft	−60.0 (0.1 in) up	11	TDEP	60B
BOREHOLE−DEPTH	2127.81 m 6981.00 ft	1996.16 m 6549.08 ft	−10.0 (0.1 in) up	7	TDEP;1	10B

File Header File: **PERFO_014PUP** Sequence: **3**

File Header File: **PERFO_014PUP** Sequence: **3**

Defining Origin: 35

File ID: PERFO_014PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 14C0−302 File Set: 41 File Number: 56 31−JAN−2007 4:13:00

Company Name:	Esso Australia Pty. Ltd.
Well Name:	BMA A−24a
Field Name:	Bream
Tool String:	MWP_GUN, MWPT−DA, MWGT−A
Computations:	WELLCAD, BORDYN

Error Summary File: **PERFO_014PUP** Sequence: **3**

No errors detected in file.

Well Site Data File: **PERFO_014PUP** Sequence: **3**

Origin: 35

Well Data

Company Name	Esso Australia Pty. Ltd.		CN
Well Name	BMA A−24a		WN
Field Name	Bream		FN
Rig:	Prod 2 / ISS Rig 22		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Bass Strait		FL
	Gippsland		FL1
	Basin		FL2
Longitude	147*46'15"E		LONG
Latitude	38*30'4"S		LATI
Maximum Hole Deviation	51.0 (deg)		MHD
Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 33.5 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	30−Jan−2007		DATE
Run Number	1		RUN
Total Depth − Driller	2213.0 (m)		TDD
Total Depth − Logger	2143.0 (m)		TDL
Bottom Log Interval	2138.3 (m)		BLI
Top Log Interval	2136.2 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	13.0 (m)		CDF
Casing Depth To	2212.0 (m)		CADT
Casing Grade	N80		CASG
Casing Weight	43.5 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	879.0 (m)		BSDF
Bit Size Depth To	2213.0 (m)		BSDT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe		ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Produced Fluids		DFT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	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

Remarks

Log correlated to ESSO Solar composite log.	R1
Objective: to perforate using 2−1/8" 45 deg phased Powerjets with a 300psi underbalance,	R2
to set a MPBT plug, isolating the existing open perforations, then dump cement on top of the plug.	R3
Explosives used: 2−1/8" +/− 45 Deg Phased Powerjets, HMX.	R4
Interval Perforated: 2136.2−2138.3M, with MWPT (Pressure/ Temperature) in combination.	R5
Underbalanced could not be achieved before perforation, as well didn't flow. THP was bled to 0 psi.	R6
Pressure after firing was 2620 psia.	R7
9−5/8" MPBT plug (H345700) was set at 2140 M (Top Anchor).	R8
1 bailer of fresh water was then dumped on top of the MPBT plug, followed by 1 x 40ft	R9
2−1/8" Cement Bailers. Dumping approx. 0.50 m of cement on top of the plug	R10
Schlumberger Crew:	R14
Days: B.Glover (crew chief), M.Hancock	R15
Nights: D.Stuckey (crew chief), S.Kiss	R16

Other Services

TBT (Water Dump)	OS1
TBT (Cement Dump)	OS2

Frame Summary File: **PERFO_014PUP** Sequence: **3**

Origin: 35

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2145.18 m	2093.21 m	−60.0 (0.1 in) up	22	TDEP	60B
	7038.00 ft	6867.50 ft				
BOREHOLE−DEPTH	2145.18 m	2093.24 m	−10.0 (0.1 in) up	10	TDEP;1	10B
	7038.00 ft	6867.58 ft				

File Header File: **PERFO_006PUP** Sequence: **4**

Defining Origin: 35

File ID: PERFO_006PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 14C0−302 File Set: 41 File Number: 54 31−JAN−2007 4:08:42

Company Name:	Esso Australia Pty. Ltd.
Well Name:	BMA A−24a
Field Name:	Bream
Tool String:	MWP_GUN, MWPT−DA, MWGT−AA
Computations:	WELLCAD, BORDYN

Error Summary File: **PERFO_006PUP** Sequence: **4**

No errors detected in file.

Well Site Data File: **PERFO_006PUP** Sequence: **4**

Origin: 35

Well Data

Company Name	Esso Australia Pty. Ltd.	CN
Well Name	BMA A−24a	WN
Field Name	Bream	FN
Rig:	Prod 2 / ISS Rig 22	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
	Basin	FL2
Longitude	147*46'15"E	LONG
Latitude	38*30'4"S	LATI

Maximum Hole Deviation	51.0 (deg)			MHD
Elevation of Kelly Bushing	33.5 (m)			EKB
Elevation of Ground Level	−59.0 (m)			EGL
Elevation of Derrick Floor	33.5 (m)			EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum	0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum	33.5 (m)	LMF, APD
Drilling Measured From	Kelly Bushing			DMF

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

Job Data

Date as Month−Day−Year	30−Jan−2007			DATE
Run Number	1			RUN
Total Depth − Driller	2213.0 (m)			TDD
Total Depth − Logger	2143.0 (m)			TDL
Bottom Log Interval	2138.3 (m)			BLI
Top Log Interval	2136.2 (m)			TLI
Current Casing Size	9.63 (in)			CSIZ
Casing Depth From	13.0 (m)			CDF
Casing Depth To	2212.0 (m)			CADT
Casing Grade	N80			CASG
Casing Weight	43.5 (lbm/ft)			CWEI
Bit Size	12.3 (in)			BS
Bit Size Depth From	879.0 (m)			BSDF
Bit Size Depth To	2213.0 (m)			BSDT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom	8:15	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location	AUSL	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe			ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson			WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Produced Fluids			DFT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom	8:15	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 ESSO Solar composite log.	R1
Objective: to perforate using 2−1/8" 45 deg phased Powerjets with a 300psi underbalance,	R2
to set a MPBT plug, isolating the existing open perforations, then dump cement on top of the plug.	R3
Explosives used: 2−1/8" +/− 45 Deg Phased Powerjets, HMX.	R4
Interval Perforated: 2136.2−2138.3M, with MWPT (Pressure/ Temperature) in combination.	R5
Underbalanced could not be achieved before perforation, as well didn't flow. THP was bled to 0 psi.	R6
Pressure after firing was 2620 psia.	R7
9−5/8" MPBT plug (H345700) was set at 2140 M (Top Anchor).	R8
1 bailer of fresh water was then dumped on top of the MPBT plug, followed by 1 x 40ft	R9
2−1/8" Cement Bailers. Dumping approx. 0.50 m of cement on top of the plug	R10
Schlumberger Crew:	R14
Days: B.Glover (crew chief), M.Hancock	R15
Nights: D.Stuckey (crew chief), S.Kiss	R16

Other Services

TBT (Water Dump)	OS1
TBT (Cement Dump)	OS2

Frame Summary File: **PERFO_006PUP** Sequence: **4**

Origin: 35

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2133.75 m	1990.34 m	−60.0 (0.1 in) up	22	TDEP	60B
	7000.50 ft	6530.00 ft				
BOREHOLE−DEPTH	2133.75 m	1990.37 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	7000.50 ft	6530.08 ft				

File Header File: **PERFO_015PUP** Sequence: **5**

Defining Origin: 35

Company Name: Esso Australia Pty. Ltd.
Well Name: BMA A−24a
Field Name: Bream
Tool String: MWP_GUN, MWPT−DA, MWGT−AA
Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_015PUP** Sequence: **5**

No errors detected in file.

Well Site Data File: **PERFO_015PUP** Sequence: **5**

Origin: 35

Well Data

Company Name	Esso Australia Pty. Ltd.		CN
Well Name	BMA A−24a		WN
Field Name	Bream		FN
Rig:	Prod 2 / ISS Rig 22		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Bass Strait		FL
	Gippsland		FL1
	Basin		FL2
Longitude	147*46'15"E		LONG
Latitude	38*30'4"S		LATI
Maximum Hole Deviation	51.0 (deg)		MHD
Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 33.5 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	30−Jan−2007		DATE
Run Number	1		RUN
Total Depth − Driller	2213.0 (m)		TDD
Total Depth − Logger	2143.0 (m)		TDL
Bottom Log Interval	2138.3 (m)		BLI
Top Log Interval	2136.2 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	13.0 (m)		CDF
Casing Depth To	2212.0 (m)		CADT
Casing Grade	N80		CASG
Casing Weight	43.5 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	879.0 (m)		BSDF
Bit Size Depth To	2213.0 (m)		BSDT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe		ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Produced Fluids		DFT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	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 ESSO Solar composite log.	R1
Objective: to perforate using 2−1/8" 45 deg phased Powerjets with a 300psi underbalance,	R2
to set a MPBT plug, isolating the existing open perforations, then dump cement on top of the plug.	R3
Explosives used: 2−1/8" +/− 45 Deg Phased Powerjets, HMX.	R4
Interval Perforated: 2136.2−2138.3M, with MWPT (Pressure/ Temperature) in combination.	R5
Underbalanced could not be achieved before perforation, as well didn't flow. THP was bled to 0 psi.	R6
Pressure after firing was 2620 psia.	R7
9−5/8" MPBT plug (H345700) was set at 2140 M (Top Anchor).	R8
1 bailer of fresh water was then dumped on top of the MPBT plug, followed by 1 x 40ft	R9
2−1/8" Cement Bailers. Dumping approx. 0.50 m of cement on top of the plug	R10
Schlumberger Crew:	R14
Days: B.Glover (crew chief), M.Hancock	R15
Nights: D.Stuckey (crew chief), S.Kiss	R16

Other Services

TBT (Water Dump)	OS1
TBT (Cement Dump)	OS2

Frame Summary File: **PERFO_015PUP** Sequence: **5**

Origin: 35

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2145.33 m	2076.91 m	−60.0 (0.1 in) up	22	TDEP	60B
	7038.50 ft	6814.00 ft				
BOREHOLE−DEPTH	2145.33 m	2076.93 m	−10.0 (0.1 in) up	10	TDEP;1	10B
	7038.50 ft	6814.08 ft				

File Header File: **PERFO_017PTP** Sequence: **6**

Defining Origin: 35

File ID: PERFO_017PTP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 14C0−302 File Set: 41 File Number: 63 31−JAN−2007 4:28:03

Company Name:	Esso Australia Pty. Ltd.
Well Name:	BMA A−24a
Field Name:	Bream
Tool String:	MWP_GUN, MWPT−DA, MWGT−A
Computations:	WELLCAD, BORDYN

Error Summary File: **PERFO_017PTP** Sequence: **6**

No errors detected in file.

Well Site Data File: **PERFO_017PTP** Sequence: **6**

Origin: 35

Well Data

Company Name	Esso Australia Pty. Ltd.	CN
Well Name	BMA A−24a	WN
Field Name	Bream	FN
Rig:	Prod 2 / ISS Rig 22	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Bass Strait	FL
	Gippsland	FL1
	Basin	FL2
Longitude	147*46'15"E	LONG
Latitude	38*30'4"S	LATI
Maximum Hole Deviation	51.0 (deg)	MHD
Elevation of Kelly Bushing	23.5 (m)	EKB

Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 33.5 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	30−Jan−2007		DATE
Run Number	1		RUN
Total Depth − Driller	2213.0 (m)		TDD
Total Depth − Logger	2143.0 (m)		TDL
Bottom Log Interval	2138.3 (m)		BLI
Top Log Interval	2136.2 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	13.0 (m)		CDF
Casing Depth To	2212.0 (m)		CADT
Casing Grade	N80		CASG
Casing Weight	43.5 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	879.0 (m)		BSDF
Bit Size Depth To	2213.0 (m)		BSDT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe		ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Produced Fluids		DFT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	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 ESSO Solar composite log.	R1
Objective: to perforate using 2−1/8" 45 deg phased Powerjets with a 300psi underbalance,	R2
to set a MPBT plug, isolating the existing open perforations, then dump cement on top of the plug.	R3
Explosives used: 2−1/8" +/− 45 Deg Phased Powerjets, HMX.	R4
Interval Perforated: 2136.2−2138.3M, with MWPT (Pressure/ Temperature) in combination.	R5
Underbalanced could not be achieved before perforation, as well didn't flow. THP was bled to 0 psi.	R6
Pressure after firing was 2620 psia.	R7
9−5/8" MPBT plug (H345700) was set at 2140 M (Top Anchor).	R8
1 bailer of fresh water was then dumped on top of the MPBT plug, followed by 1 x 40ft	R9
2−1/8" Cement Bailers. Dumping approx. 0.50 m of cement on top of the plug	R10
Schlumberger Crew:	R14
Days: B.Glover (crew chief), M.Hancock	R15
Nights: D.Stuckey (crew chief), S.Kiss	R16

Other Services

TBT (Water Dump)	OS1
TBT (Cement Dump)	OS2

Frame Summary File: **PERFO_017PTP** Sequence: **6**

Origin: 35

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
TIME	6500.00	8345.00 s	2000.0 (0.5 ms)	5	TIME;2	2000T
TIME	6500.00	8344.50 s	1000.0 (0.5 ms)	14	TIME;3	1000T
TIME	6500.00	8344.75 s	500.0 (0.5 ms)	4	TIME;4	500T

File Header File: **CCL_034LUP** Sequence: **7**

Defining Origin: 55

File ID: CCL_034LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 14C0−302 File Set: 41 File Number: 33 30−JAN−2007 16:16:33

Company Name:	Esso Australia Pty. Ltd.
Well Name:	BMA A−24a
Field Name:	Bream
Tool String:	MPEX−CA, MPSU−CA, CCL−I
Computations:	WELLCAD, BORDYN

Error Summary File: **CCL_034LUP** Sequence: **7**

No errors detected in file.

Well Site Data File: **CCL_034LUP** Sequence: **7**

Origin: 55

Well Data

Company Name	Esso Australia Pty. Ltd.		CN
Well Name	BMA A−24a		WN
Field Name	Bream		FN
Rig:	Prod 2 / ISS Rig 22		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Bass Strait		FL
	Gippsland		FL1
	Basin		FL2
Longitude	147*46'15"E		LONG
Latitude	38*30'4"S		LATI
Maximum Hole Deviation	51.0 (deg)		MHD
Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 33.5 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	30−Jan−2007		DATE
Run Number	1		RUN
Total Depth − Driller	2213.0 (m)		TDD
Total Depth − Logger	2143.0 (m)		TDL
Bottom Log Interval	2138.3 (m)		BLI
Top Log Interval	2136.2 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	13.0 (m)		CDF
Casing Depth To	2212.0 (m)		CADT
Casing Grade	N80		CASG
Casing Weight	43.5 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	879.0 (m)		BSDF
Bit Size Depth To	2213.0 (m)		BSDT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe		ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Produced Fluids		DFT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	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 ESSO Solar composite log.	R1
Objective: to perforate using 2−1/8" 45 deg phased Powerjets with a 300psi underbalance,	R2
to set a MPBT plug, isolating the existing open perforations, then dump cement on top of the plug.	R3
Explosives used: 2−1/8" +/− 45 Deg Phased Powerjets, HMX.	R4

Interval Perforated: 2136.2−2138.3M, with MWPT (Pressure/ Temperature) in combination. R5
Underbalanced could not be achieved before perforation, as well didn't flow. THP was bled to 0 psi. R6
Pressure after firing was 2620 psia. R7
9−5/8" MPBT plug (H345700) was set at 2140 M (Top Anchor). R8
1 bailer of fresh water was then dumped on top of the MPBT plug, followed by 1 x 40ft R9
2−1/8" Cement Bailers. Dumping approx. 0.50 m of cement on top of the plug R10
Schlumberger Crew: R14
Days: B.Glover (crew chief), M.Hancock R15
Nights: D.Stuckey (crew chief), S.Kiss R16

Other Services

TBT (Water Dump) OS1
TBT (Cement Dump) OS2

Frame Summary File: **CCL_034LUP** Sequence: **7**

Origin: 55

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2139.70	2077.67 m	−60.0 (0.1 in) up	11	TDEP	60B
	7020.00	6816.50 ft				
BOREHOLE−DEPTH	2139.70	2077.69 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	7020.00	6816.58 ft				

File Header File: **CCL_041LUP** Sequence: **8**

Defining Origin: 55

File ID: CCL_041LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 14C0−302 File Set: 41 File Number: 40 30−JAN−2007 17:02:54

Company Name: Esso Australia Pty. Ltd.
Well Name: BMA A−24a
Field Name: Bream
Tool String: MPEX−CA, MPSU−CA, CCL−I
Computations: WELLCAD, BORDYN

Error Summary File: **CCL_041LUP** Sequence: **8**

No errors detected in file.

Well Site Data File: **CCL_041LUP** Sequence: **8**

Origin: 55

Well Data

Company Name	Esso Australia Pty. Ltd.		CN
Well Name	BMA A−24a		WN
Field Name	Bream		FN
Rig:	Prod 2 / ISS Rig 22		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Bass Strait		FL
	Gippsland		FL1
	Basin		FL2
Longitude	147*46'15"E		LONG
Latitude	38*30'4"S		LATI
Maximum Hole Deviation	51.0 (deg)		MHD
Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 33.5 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	30−Jan−2007	DATE
Run Number	1	RUN
Total Depth − Driller	2213.0 (m)	TDD
Total Depth − Logger	2142.0 (m)	TDL

Total Depth – Logger	2143.0 (m)			TDL
Bottom Log Interval	2138.3 (m)			BLI
Top Log Interval	2136.2 (m)			TLI
Current Casing Size	9.63 (in)			CSIZ
Casing Depth From	13.0 (m)			CDF
Casing Depth To	2212.0 (m)			CADT
Casing Grade	N80			CASG
Casing Weight	43.5 (lbm/ft)			CWEI
Bit Size	12.3 (in)			BS
Bit Size Depth From	879.0 (m)			BSDF
Bit Size Depth To	2213.0 (m)			BSDT
Date Logger At Bottom	30–Jan–2007	Time Logger At Bottom 8:15		DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL		LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe			ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson			WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Produced Fluids		DFT
Date Logger At Bottom	30–Jan–2007	Time Logger At Bottom 8:15	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 ESSO Solar composite log.	R1
Objective: to perforate using 2–1/8" 45 deg phased Powerjets with a 300psi underbalance,	R2
to set a MPBT plug, isolating the existing open perforations, then dump cement on top of the plug.	R3
Explosives used: 2–1/8" +/– 45 Deg Phased Powerjets, HMX.	R4
Interval Perforated: 2136.2–2138.3M, with MWPT (Pressure/ Temperature) in combination.	R5
Underbalanced could not be achieved before perforation, as well didn't flow. THP was bled to 0 psi.	R6
Pressure after firing was 2620 psia.	R7
9–5/8" MPBT plug (H345700) was set at 2140 M (Top Anchor).	R8
1 bailer of fresh water was then dumped on top of the MPBT plug, followed by 1 x 40ft	R9
2–1/8" Cement Bailers. Dumping approx. 0.50 m of cement on top of the plug	R10
Schlumberger Crew:	R14
Days: B.Glover (crew chief), M.Hancock	R15
Nights: D.Stuckey (crew chief), S.Kiss	R16

Other Services

TBT (Water Dump)	OS1
TBT (Cement Dump)	OS2

Frame Summary File: **CCL_041LUP** Sequence: **8**

Origin: 55

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE–DEPTH	12192.00 m	11025.99 m	–60.0 (0.1 in) up	11	TDEP	60B
	40000.00 ft	36174.50 ft				
BOREHOLE–DEPTH	12192.00 m	11026.01 m	–10.0 (0.1 in) up	4	TDEP;1	10B
	40000.00 ft	36174.58 ft				

File Header File: **PERFO_047PUP** Sequence: **9**

Defining Origin: 35

File ID: PERFO_047PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 14C0−302 File Set: 41 File Number: 48 31−JAN−2007 2:45:48

Company Name: Esso Australia Pty. Ltd.
Well Name: BMA A−24a
Field Name: Bream
Tool String: SHM_GUN, CCL−L
Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_047PUP** Sequence: **9**

No errors detected in file.

Well Site Data File: **PERFO_047PUP** Sequence: **9**

Origin: 35

Well Data

Company Name	Esso Australia Pty. Ltd.		CN
Well Name	BMA A−24a		WN
Field Name	Bream		FN
Rig:	Prod 2 / ISS Rig 22		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Bass Strait		FL
	Gippsland		FL1
	Basin		FL2
Longitude	147*46'15"E		LONG
Latitude	38*30'4"S		LATI
Maximum Hole Deviation	51.0 (deg)		MHD
Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 33.5 (m)	LMF, APD
Drilling Measured From	Kelly Bushing		DMF

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

Job Data

Date as Month−Day−Year	30−Jan−2007		DATE
Run Number	1		RUN
Total Depth − Driller	2213.0 (m)		TDD
Total Depth − Logger	2143.0 (m)		TDL
Bottom Log Interval	2138.3 (m)		BLI
Top Log Interval	2136.2 (m)		TLI
Current Casing Size	9.63 (in)		CSIZ
Casing Depth From	13.0 (m)		CDF
Casing Depth To	2212.0 (m)		CADT
Casing Grade	N80		CASG
Casing Weight	43.5 (lbm/ft)		CWEI
Bit Size	12.3 (in)		BS
Bit Size Depth From	879.0 (m)		BSDF
Bit Size Depth To	2213.0 (m)		BSDT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe		ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson		WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Produced Fluids		DFT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15	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 ESSO Solar composite log.	R1
Objective: to perforate using 2−1/8" 45 deg phased Powerjets with a 300psi underbalance,	R2
to set a MPBT plug, isolating the existing open perforations, then dump cement on top of the plug.	R3

Explosives used: 2−1/8" +/− 45 Deg Phased Powerjets, HMX. R4
Interval Perforated: 2136.2−2138.3M, with MWPT (Pressure/ Temperature) in combination. R5
Underbalanced could not be achieved before perforation, as well didn't flow. THP was bled to 0 psi. R6
Pressure after firing was 2620 psia. R7
9−5/8" MPBT plug (H345700) was set at 2140 M (Top Anchor). R8
1 bailer of fresh water was then dumped on top of the MPBT plug, followed by 1 x 40ft R9
2−1/8" Cement Bailers. Dumping approx. 0.50 m of cement on top of the plug R10
Schlumberger Crew: R14
Days: B.Glover (crew chief), M.Hancock R15
Nights: D.Stuckey (crew chief), S.Kiss R16

Other Services

TBT (Water Dump) OS1
TBT (Cement Dump) OS2

Frame Summary File: **PERFO_047PUP** Sequence: **9**

Origin: 35

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2128.27 m	2037.44 m	−60.0 (0.1 in) up	11	TDEP	60B
	6982.50	6684.50 ft				
BOREHOLE−DEPTH	2128.27 m	2037.46 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	6982.50	6684.58 ft				

File Header File: **PERFO_048LUP** Sequence: **10**

Defining Origin: 35

File ID: PERFO_048LUP File Type: DEPTH LOG
Producer Name: Schlumberger Product/Version: OP 14C0−302 File Set: 41 File Number: 47 30−JAN−2007 23:56:55

Company Name: Esso Australia Pty. Ltd.
Well Name: BMA A−24a
Field Name: Bream
Tool String: SHM_GUN, CCL−L
Computations: WELLCAD, BORDYN

Error Summary File: **PERFO_048LUP** Sequence: **10**

No errors detected in file.

Well Site Data File: **PERFO_048LUP** Sequence: **10**

Origin: 35

Well Data

Company Name	Esso Australia Pty. Ltd.		CN
Well Name	BMA A−24a		WN
Field Name	Bream		FN
Rig:	Prod 2 / ISS Rig 22		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Bass Strait		FL
	Gippsland		FL1
	Basin		FL2
Longitude	147*46'15"E		LONG
Latitude	38*30'4"S		LATI
Maximum Hole Deviation	51.0 (deg)		MHD
Elevation of Kelly Bushing	33.5 (m)		EKB
Elevation of Ground Level	−59.0 (m)		EGL
Elevation of Derrick Floor	33.5 (m)		EDF
Permanent Datum	Mean Sea Level	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	Drill Floor	Above Permanent Datum 33.5 (m)	LMF, APD

Drilling Measured From	Kelly Bushing			DMF

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

Job Data

Date as Month−Day−Year	30−Jan−2007			DATE
Run Number	1			RUN
Total Depth − Driller	2213.0 (m)			TDD
Total Depth − Logger	2143.0 (m)			TDL
Bottom Log Interval	2138.3 (m)			BLI
Top Log Interval	2136.2 (m)			TLI
Current Casing Size	9.63 (in)			CSIZ
Casing Depth From	13.0 (m)			CDF
Casing Depth To	2212.0 (m)			CADT
Casing Grade	N80			CASG
Casing Weight	43.5 (lbm/ft)			CWEI
Bit Size	12.3 (in)			BS
Bit Size Depth From	879.0 (m)			BSDF
Bit Size Depth To	2213.0 (m)			BSDT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15		DLAB, TLAB
Logging Unit Number	3827	Logging Unit Location AUSL		LUN, LUL
Engineer's Name	O.Darby/C.Rowand/B.Donahoe			ENGI
Witness's Name	Mr B.Woodward, Mr M. Wilson			WITN

Absent Valued Parameters: SON

Mud Data

Drilling Fluid Type	Produced Fluids			DFT
Date Logger At Bottom	30−Jan−2007	Time Logger At Bottom 8:15		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 ESSO Solar composite log.	R1
Objective: to perforate using 2−1/8" 45 deg phased Powerjets with a 300psi underbalance,	R2
to set a MPBT plug, isolating the existing open perforations, then dump cement on top of the plug.	R3
Explosives used: 2−1/8" +/− 45 Deg Phased Powerjets, HMX.	R4
Interval Perforated: 2136.2−2138.3M, with MWPT (Pressure/ Temperature) in combination.	R5
Underbalanced could not be achieved before perforation, as well didn't flow. THP was bled to 0 psi.	R6
Pressure after firing was 2620 psia.	R7
9−5/8" MPBT plug (H345700) was set at 2140 M (Top Anchor).	R8
1 bailer of fresh water was then dumped on top of the MPBT plug, followed by 1 x 40ft	R9
2−1/8" Cement Bailers. Dumping approx. 0.50 m of cement on top of the plug	R10
Schlumberger Crew:	R14
Days: B.Glover (crew chief), M.Hancock	R15
Nights: D.Stuckey (crew chief), S.Kiss	R16

Other Services

TBT (Water Dump)	OS1
TBT (Cement Dump)	OS2

Frame Summary

File: **PERFO_048LUP** Sequence: **10**

Origin: 35

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2133.30 m	1991.72 m	−60.0 (0.1 in) up	11	TDEP	60B
	6999.00	6534.50 ft				
BOREHOLE−DEPTH	2133.30	1991.74 m	−10.0 (0.1 in) up	7	TDEP;1	10B
	6999.00	6534.58 ft				