

Input Source: D:\OP_Folder\Clients\Ess02008\MKA_A-9a\PFCS\COMP_A9APLT_COMP_142.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **FCS_ILS_DEFT_GMS_034PUP** Sequence: 1

Defining Origin: 44

File ID: FCS_ILS_DEFT_GMS_034PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 15C0-309 File Set: 41 File Number: 33 24-JUL-2008 11:00:20
Company Name: Esso Australia Pty Ltd.
Well Name: A-9a
Field Name: Mackerel
Tool String: PFCS-A, PILS-A, DEFT-C2, PGM C-A/B, PSPT-A
Computations: WELLCAD, SPRI, BORDYN, PLQL

Error Summary File: **FCS_ILS_DEFT_GMS_034PUP** Sequence: 1

No errors detected in file.

Well Site Data File: **FCS_ILS_DEFT_GMS_034PUP** Sequence: 1

Origin: 44

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-9a	WN
Field Name	Mackerel	FN
Rig :	Prod4 / Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl08509126	SON
Longitude	148 20'33.955116"E	LONG
Latitude	038 28'44.771952"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	39.5 (m)	EKB
Elevation of Ground Level	-93.0 (m)	EGL
Elevation of Derrick Floor	39.5 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 39.5 (m)	

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

Job Data

Date as Month-Day-Year	19-Jul-2008	DATE
Run Number	One	RUN
Total Depth - Driller	3090.0 (m)	TDD
Total Depth - Logger	3090.0 (m)	TDL
Bottom Log Interval	3090.0 (m)	BLI
Top Log Interval	3025.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	11.9 (m)	CDF
Casing Depth To	3182.6 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.7 (lbm/ft)	CWEI
Bit Size	9.78 (in)	BS
Date Logger At Bottom	19-Jul-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright.	ENGI
Witness's Name	G Rimmer.	WITN
Service Order Number	Ausl08509126	SON
	Time Logger At Bottom 8:15	
	Logging Unit Location Prod4 / Crane	

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type

Maximum Recorded Temperature

Date Logger At Bottom

Production Fluids

107.2 (degC)

107.2 (degC)

19-Jul-2008

Time Logger At Bottom

8:15

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 supplied with program.

Maximum well deviation = 57 degrees at 2966m MDKB.

Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.

Static and flowing data recorded.

SBHP @ HUD = psia.

FBHP @ HUD = psia.

SBHT = 225 degf,FBHT = 225 degf.

Perforation zone ?? MDKB appears to be the main source of production.

Crew : Jake Annear & Chris Shiells.

R1

R2

R3

R4

R6

R7

R8

R9

R10

R15

Other Services

None

OS1

Frame Summary		File: FCS_ILS_DEFT_GMS_034PUP		Sequence: 1		
Origin: 44						
<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	3095.40	3000.45 m	-60.0 (0.1 in) up	99	TDEP	60B
	10155.50	9844.00 ft				
BOREHOLE-DEPTH	3095.40	3000.63 m	-10.0 (0.1 in) up	7	TDEP,1	10B
	10155.50	9844.58 ft				

File Header

File: FCS_ILS_DEFT_GMS_079PUP

Sequence: 2

Defining Origin: 44

File ID: FCS_ILS_DEFT_GMS_079PUP

File Type: PLAYBACK

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 70

24-JUL-2008 15:53:12

Company Name: Esso Australia Pty Ltd.

Well Name: A-9a

Field Name: Mackerel

Tool String: PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A

Computations: WELLCAD, SPRI, BORDYN, PLQL

Error Summary

File: FCS_ILS_DEFT_GMS_079PUP

Sequence: 2

No errors detected in file.

Well Site Data

File: FCS_ILS_DEFT_GMS_079PUP

Sequence: 2

Origin: 44

Well Data

Company Name

Well Name

Field Name

Rig :

State:

Nation

Field Location

Service Order Number

Longitude

Latitude

Esso Australia Pty Ltd.

A-9a

Mackerel

Prod4 / Crane

Victoria

Australia

Gippsland

Basin

Bass Strait

Ausl08509126

148 20'33.955116"E

038 28'44.771952"S

CN

WN

FN

CLAB, COUN

SLAB, STAT

NATI

FL

FL1

FL2

SON

LONG

LATI

File: EGS_ILS_DEFT_GMS_0371.UR Sequence: 3

File Header		File: FCS_ILS_DEFT_GMS_037LUP	Sequence: 3
Defining Origin: 44			
File ID: FCS_ILS_DEFT_GMS_037LUP File Type: DEPTH LOG			
Producer Name: Schlumberger		Product/Version: OP 15C0-309	File Set: 41
			File Number: 36
			24-JUL-2008 11:18:43
Company Name:	Esso Australia Pty Ltd.		
Well Name:	A-9a		
Field Name:	Mackerel		
Tool String:	PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A		
Computations:	WELLCAD, SPRI, BORDYN, PLQL		

Error Summary	File: FCS_ILS_DEFT_GMS_037LUP	Sequence: 3
No errors detected in file.		

Well Site Data	File: FCS_ILS_DEFT_GMS_037LUP	Sequence: 3
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Origin: 44

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-9a		WN
Field Name	Mackerel		FN
Rig :	Prod4 / Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	Ausl08509126		SON
Longitude	148 20'33.955116"E		LONG
Latitude	038 28'44.771952"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	39.5 (m)		EKB
Elevation of Ground Level	-93.0 (m)		EGL
Elevation of Derrick Floor	39.5 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 39.5 (m)	LMF, APD
Drilling Measured From	D.F		DMF

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

Job Data

Date as Month-Day-Year	19-Jul-2008		DATE
Run Number	One		RUN
Total Depth - Driller	3090.0 (m)		TDD
Total Depth - Logger	3090.0 (m)		TDL
Bottom Log Interval	3090.0 (m)		BLI
Top Log Interval	3025.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	11.9 (m)		CDF
Casing Depth To	3182.6 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	29.7 (lbm/ft)		CWEI
Bit Size	9.78 (in)		BS
Date Logger At Bottom	19-Jul-2008	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod4 / Crane	LUN, LUL
Engineer's Name	G Wright.		ENGI
Witness's Name	G Rimmer.		WITN
Service Order Number	Ausl08509126		SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	107.2 (degC)		MRT
	107.2 (degC)		MRT1
Date Logger At Bottom	19-Jul-2008	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, 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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Remarks

Log correlated to ExxonMobil Solar composite supplied with program.	R1
Maximum well deviation = 57 degrees at 2966m MDKB.	R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.	R3
Static and flowing data recorded.	R4
SBHP @ HUD = psia.	R6
FBHP @ HUD = psia.	R7
SBHT = 225 degf,FBHT = 225 degf.	R8
Perforation zone ?? MDKB appears to be the	R9
main source of production.	R10
Crew : Jake Annear & Chris Shiells.	R15

Other Services

None	OS1
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Frame Summary File: FCS_ILS_DEFT_GMS_037LUP Sequence: 3

Origin: 44

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3081.83	3008.99 m	-60.0 (0.1 in) up	99	TDEP	60B
	10111.00	9872.00 ft				
BOREHOLE-DEPTH	3081.83	3009.01 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	10111.00	9872.08 ft				

File Header File: FCS_ILS_DEFT_GMS_080PUP Sequence: 4

Defining Origin: 44

File ID: FCS_ILS_DEFT_GMS_080PUP	File Type: PLAYBACK				
Producer Name: Schlumberger	Product/Version: OP 15C0-309	File Set: 41	File Number: 71	24-JUL-2008 15:55:01	
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A-9a				
Field Name:	Mackerel				
Tool String:	PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A				
Computations:	WELLCAD, SPRI, BORDYN, PLQL				

Error Summary File: FCS_ILS_DEFT_GMS_080PUP Sequence: 4

No errors detected in file.

Well Site Data File: FCS_ILS_DEFT_GMS_080PUP Sequence: 4

Origin: 44

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-9a	WN
Field Name	Mackerel	FN
Rig :	Prod4 / Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl08509126	SON
Longitude	148 20'33.955116"E	LONG
Latitude	038 28'44.771952"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	39.5 (m)	EKB
Elevation of Ground Level	-93.0 (m)	EGL
Elevation of Derrick Floor	39.5 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 39.5 (m)	

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

Job Data

Date as Month-Day-Year	19-Jul-2008	DATE
Run Number	One	RUN

Run Number

One

Total Depth – Driller

3090.0 (m)

Total Depth – Logger

3090.0 (m)

Bottom Log Interval

3090.0 (m)

Top Log Interval

3025.0 (m)

Current Casing Size

7.63 (in)

Casing Depth From

11.9 (m)

Casing Depth To

3182.6 (m)

Casing Grade

L–80

Casing Weight

29.7 (lbm/ft)

Bit Size

9.78 (in)

Date Logger At Bottom

19–Jul–2008

Logging Unit Number

889

Engineer's Name

G Wright.

Witness's Name

G Rimmer.

Service Order Number

Ausl08509126

Time Logger At Bottom

8:15

Logging Unit Location

Prod4 / Crane

RUN

TDD

TDL

BLI

TLI

CSIZ

CDF

CADT

CASG

CWEI

BS

DLAB, TLAB

LUN, LUL

ENGI

WITN

SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type

Production Fluids

Maximum Recorded Temperature

107.2 (degC)

107.2 (degC)

Date Logger At Bottom

19–Jul–2008

Time Logger At Bottom

8:15

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 supplied with program.

Maximum well deviation = 57 degrees at 2966m MDKB.

Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.

Static and flowing data recorded.

SBHP @ HUD = psia.

FBHP @ HUD = psia.

SBHT = 225 degf,FBHT = 225 degf.

Perforation zone ?? MDKB appears to be the main source of production.

Crew : Jake Annear & Chris Shiells.

R1

R2

R3

R4

R6

R7

R8

R9

R10

R15

Other Services

None

OS1

Frame Summary

File: FCS_ILS_DEFT_GMS_080PUP

Sequence: 4

Origin: 44

Index Type

Start

Stop

Spacing

Channels

Index Channel

Frame Name

BOREHOLE–DEPTH

3077.41

2998.77 m

–60.0 (0.1 in) up

99

TDEP

60B

BOREHOLE–DEPTH

10096.50

9838.50 ft

BOREHOLE–DEPTH

3077.41

2998.95 m

–10.0 (0.1 in) up

4

TDEP;1

10B

10096.50

9839.08 ft

File Header

File: FCS_ILS_DEFT_GMS_081PUP

Sequence: 5

Defining Origin: 44

File ID: FCS_ILS_DEFT_GMS_081PUP

File Type: PLAYBACK

Producer Name: Schlumberger

Product/Version: OP 15C0–309

File Set: 41

File Number: 72

24–JUL–2008 15:56:06

Company Name:

Esso Australia Pty Ltd.

Well Name:

A–9a

Field Name:

Mackerel

Tool String:

PFCS–A, PILS–A, DEFT–C2, PGMC–A/B, PSPT–A

Computations:

WELLCAD, SPRI, BORDYN, PLQL

Well Site DataFile: FCS_ILS_DEFT_GMS_081PUPSequence: 5

Origin: 44

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-9a	WN
Field Name	Mackerel	FN
Rig :	Prod4 / Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	AusI08509126	SON
Longitude	148 20'33.955116"E	LONG
Latitude	038 28'44.771952"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	39.5 (m)	EKB
Elevation of Ground Level	-93.0 (m)	EGL
Elevation of Derrick Floor	39.5 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF

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

Job Data

Date as Month-Day-Year	19-Jul-2008	DATE
Run Number	One	RUN
Total Depth - Driller	3090.0 (m)	TDD
Total Depth - Logger	3090.0 (m)	TDL
Bottom Log Interval	3090.0 (m)	BLI
Top Log Interval	3025.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	11.9 (m)	CDF
Casing Depth To	3182.6 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.7 (lbm/ft)	CWEI
Bit Size	9.78 (in)	BS
Date Logger At Bottom	19-Jul-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright.	ENGI
Witness's Name	G Rimmer.	WITN
Service Order Number	AusI08509126	SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	107.2 (degC)	MRT
	107.2 (degC)	MRT1
Date Logger At Bottom	19-Jul-2008	DLAB, TLAB
	Time Logger At Bottom 8:15	

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 supplied with program.	R1
Maximum well deviation = 57 degrees at 2966m MDKB.	R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.	R3
Static and flowing data recorded.	R4
SBHP @ HUD = psia.	R6
FBHP @ HUD = psia.	R7
SBHT = 225 degf,FBHT = 225 degf.	R8
Perforation zone ?? MDKB appears to be the	R9
main source of production.	R10
Crew : Jake Appear & Chris Shiells	R15

Crew : Jake Amador & Chris Chellis						R10
Other Services						OS1
None						
Frame Summary						
File: FCS_ILS_DEFT_GMS_081PUP		Sequence: 5				
Origin: 44						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3079.55	3001.37 m	-60.0 (0.1 in) up	99	TDEP	60B
	10103.50	9847.00 ft				
BOREHOLE-DEPTH	3079.55	3001.54 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	10103.50	9847.58 ft				
File Header						
File: FCS_ILS_DEFT_GMS_082PUP		Sequence: 6				
Defining Origin: 44						
File ID: FCS_ILS_DEFT_GMS_082PUP File Type: PLAYBACK						
Producer Name: Schlumberger		Product/Version: OP 15C0-309		File Set: 41	File Number: 73	24-JUL-2008 15:57:08
Company Name:	Esso Australia Pty Ltd.					
Well Name:	A-9a					
Field Name:	Mackerel					
Tool String:	PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A					
Computations:	WELLCAD, SPRI, BORDYN, PLQL					

Error Summary		
File:	FCS_ILS_DEFT_GMS_082PUP	Sequence: 6
No errors detected in file.		

Well Site Data		File: FCS_ILS_DEFT_GMS_082PUP	Sequence: 6
Origin: 44			
Well Data			
Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-9a		WN
Field Name	Mackerel		FN
Rig :	Prod4 / Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	Ausl08509126		SON
Longitude	148 20'33.955116"E		LONG
Latitude	038 28'44.771952"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	39.5 (m)		EKB
Elevation of Ground Level	-93.0 (m)		EGL
Elevation of Derrick Floor	39.5 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 39.5 (m)	LMF, APD
Drilling Measured From	D.F		DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN			

Job Data						
Date as Month-Day-Year	19-Jul-2008					DATE
Run Number	One					RUN
Total Depth - Driller	3090.0 (m)					TDD
Total Depth - Logger	3090.0 (m)					TDL
Bottom Log Interval	3090.0 (m)					BLI
Top Log Interval	3025.0 (m)					TLI
Current Casing Size	7.63 (in)					CSIZ
Casing Depth From	11.9 (m)					CDF
Casing Depth To	3182.6 (m)					CADT
Casing Grade	L-80					CASG
Casing Weight	29.7 (lbm/ft)					CWEI
Bit Size	9.78 (in)					BS
Date Logger At Bottom	19-Jul-2008		Time Logger At Bottom		8:15	DLAB, TLAB
Logging Unit Number	889		Logging Unit Location		Prod4 / Crane	LIUN, LIUL

Logging Unit Number: 000

Engineer's Name: G Wright.

Witness's Name: G Rimmer.

Service Order Number: Ausl08509126

Logging Unit Location: T10047 Crane

Logging Unit Elevation: 100m

Logging Unit Orientation: 100°

Logging Unit Status: OK

Logging Unit Operator: ENG

Logging Unit Recorder: WITN

Logging Unit Recorder: SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type: Production Fluids

Maximum Recorded Temperature: 107.2 (degC)

107.2 (degC)

Date Logger At Bottom: 19-Jul-2008

Time Logger At Bottom: 8:15

DFT

MRT

MRT1

DLAB, TLAB

Absent Valued Parameters: DFD, DFV, DFL, DFP, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT2, MRT3, DCS, TCS

PVT Data

Absent Valued Parameters: ODN, 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 supplied with program.

Maximum well deviation = 57 degrees at 2966m MDKB.

Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.

Static and flowing data recorded.

SBHP @ HUD = psia.

FBHP @ HUD = psia.

SBHT = 225 degf,FBHT = 225 degf.

Perforation zone ?? MDKB appears to be the main source of production.

Crew : Jake Annear & Chris Shiells.

R1

R2

R3

R4

R6

R7

R8

R9

R10

R15

Other Services

None

OS1

Frame Summary							File: FCS_ILS_DEFT_GMS_082PUP	Sequence: 6
Origin: 44								
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name		
BOREHOLE-DEPTH	3078.63	2999.23 m	-60.0 (0.1 in) up	99	TDEP	60B		
	10100.50	9840.00 ft						
BOREHOLE-DEPTH	3078.63	2999.41 m	-10.0 (0.1 in) up	4	TDEP,1	10B		
	10100.50	9840.58 ft						

File Header

File: FCS_ILS_DEFT_GMS_083PUP

Sequence: 7

Defining Origin: 44

File ID: FCS_ILS_DEFT_GMS_083PUP

File Type: PLAYBACK

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 74

24-JUL-2008 15:58:12

Company Name: Esso Australia Pty Ltd.

Well Name: A-9a

Field Name: Mackerel

Tool String: PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A

Computations: WELLCAD, SPRI, BORDYN, PLQL

Error Summary

File: FCS_ILS_DEFT_GMS_083PUP

Sequence: 7

No errors detected in file.

Well Site Data

File: FCS_ILS_DEFT_GMS_083PUP

Sequence: 7

Origin: 44

Well Data

Company Name: Esso Australia Pty Ltd.

Well Name: A-9a

CN

WN

Field Name	Mackerel		FN
Rig :	Prod4 / Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	Ausl08509126		SON
Longitude	148 20'33.955116"E		LONG
Latitude	038 28'44.771952"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	39.5 (m)		EKB
Elevation of Ground Level	-93.0 (m)		EGL
Elevation of Derrick Floor	39.5 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)
Log Measured From	D.F	Above Permanent Datum	39.5 (m)
Drilling Measured From	D.F		DMF

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

Job Data

Date as Month-Day-Year	19-Jul-2008		DATE
Run Number	One		RUN
Total Depth – Driller	3090.0 (m)		TDD
Total Depth – Logger	3090.0 (m)		TDL
Bottom Log Interval	3090.0 (m)		BLI
Top Log Interval	3025.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	11.9 (m)		CDF
Casing Depth To	3182.6 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	29.7 (lbm/ft)		CWEI
Bit Size	9.78 (in)		BS
Date Logger At Bottom	19-Jul-2008	Time Logger At Bottom	8:15
Logging Unit Number	889	Logging Unit Location	Prod4 / Crane
Engineer's Name	G Wright.		DLAB, TLAB
Witness's Name	G Rimmer.		LUN, LUL
Service Order Number	Ausl08509126		ENGI
			WITN
			SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	107.2 (degC)		MRT
	107.2 (degC)		MRT1
Date Logger At Bottom	19-Jul-2008	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, 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 supplied with program.		R1
Maximum well deviation = 57 degrees at 2966m MDKB.		R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.		R3
Static and flowing data recorded.		R4
SBHP @ HUD = psia.		R6
FBHP @ HUD = psia.		R7
SBHT = 225 degf,FBHT = 225 degf.		R8
Perforation zone ?? MDKB appears to be the		R9
main source of production.		R10
Crew : Jake Annear & Chris Shiells.		R15

Other Services

None		OS1
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Frame Summary
File: FCS_ILS_DEFT_GMS_083PUP
Sequence: 7

Origin: 44

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3081.38	3007.46 m	-60.0 (0.1 in) up	99	TDEP	60B
	10109.50	9867.00 ft				
BOREHOLE-DEPTH	3081.38	3007.64 m	-10.0 (0.1 in) up	7	TDEP;1	10B

File Header

File: FCS_ILS_DEFT_GMS_084PUPSequence: 8

Defining Origin: 44

File ID: FCS_ILS_DEFT_GMS_084PUPFile Type: PLAYBACK

Producer Name: SchlumbergerProduct/Version: OP 15C0-309File Set: 41File Number: 7524-JUL-2008 15:59:22

Company Name: Esso Australia Pty Ltd.

Well Name: A-9a

Field Name: Mackerel

Tool String: PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A

Computations: WELLCAD, SPRI, BORDYN, PLQL

Error Summary

File: FCS_ILS_DEFT_GMS_084PUPSequence: 8

No errors detected in file.

Well Site Data

File: FCS_ILS_DEFT_GMS_084PUPSequence: 8

Origin: 44

Well Data

Company NameEsso Australia Pty Ltd.CN

Well NameA-9aWN

Field NameMackerelFN

Rig :Prod4 / CraneCLAB, COUN

State:VictoriaSLAB, STAT

NationAustraliaNATI

Field LocationGippslandFL

BasinFL2

Bass StraitSON

Service Order NumberAusl08509126LONG

Longitude148 20'33.955116"E

Latitude038 28'44.771952"S

Maximum Hole Deviation57.0 (deg)MHD

Elevation of Kelly Bushing39.5 (m)EKB

Elevation of Ground Level-93.0 (m)EGL

Elevation of Derrick Floor39.5 (m)EDF

Permanent DatumM.S.L.Elevation of Permanent Datum 0.0 (m)PDAT, EPD

Log Measured FromD.F.Above Permanent Datum 39.5 (m)LMF, APD

Drilling Measured FromD.F.DMF

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

Job Data

Date as Month-Day-Year19-Jul-2008DATE

Run NumberOneRUN

Total Depth - Driller3090.0 (m)TDD

Total Depth - Logger3090.0 (m)TDL

Bottom Log Interval3090.0 (m)BLI

Top Log Interval3025.0 (m)TLI

Current Casing Size7.63 (in)CSIZ

Casing Depth From11.9 (m)CDF

Casing Depth To3182.6 (m)CADT

Casing GradeL-80CASG

Casing Weight29.7 (lbm/ft)CWEI

Bit Size9.78 (in)BS

Date Logger At Bottom19-Jul-2008Time Logger At Bottom 8:15DLAB, TLAB

Logging Unit Number889Logging Unit Location Prod4 / CraneLUN, LUL

Engineer's NameG Wright.ENGI

Witness's NameG Rimmer.WITN

Service Order NumberAusl08509126SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid TypeProduction FluidsDFT

Maximum Recorded Temperature107.2 (degC)MRT

107.2 (degC)MRT1

Date Logger At Bottom19-Jul-2008Time Logger At Bottom 8:15DLAB, 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 supplied with program. R1
Maximum well deviation = 57 degrees at 2966m MDKB. R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB. R3
Static and flowing data recorded. R4
SBHP @ HUD = psia. R6
FBHP @ HUD = psia. R7
SBHT = 225 degf,FBHT = 225 degf. R8
Perforation zone ?? MDKB appears to be the R9
main source of production. R10
Crew : Jake Annear & Chris Shiells. R15

Other Services

None OS1

Frame Summary File: FCS_ILS_DEFT_GMS_084PUP Sequence: 8

Origin: 44

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3078.94	3005.33 m	-60.0 (0.1 in) up	99	TDEP	60B
	10101.50	9860.00 ft				
BOREHOLE-DEPTH	3078.94	3005.51 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	10101.50	9860.58 ft				

File Header File: FCS_ILS_DEFT_GMS_087PUP Sequence: 9

Defining Origin: 44

File ID: FCS_ILS_DEFT_GMS_087PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 15C0-309 File Set: 41 File Number: 78 24-JUL-2008 16:07:39
Company Name: Esso Australia Pty Ltd.
Well Name: A-9a
Field Name: Mackerel
Tool String: PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A
Computations: WELLCAD, SPRI, BORDYN, PLQL

Error Summary File: FCS_ILS_DEFT_GMS_087PUP Sequence: 9

No errors detected in file.

Well Site Data File: FCS_ILS_DEFT_GMS_087PUP Sequence: 9

Origin: 44

Well Data

Company Name Esso Australia Pty Ltd. CN
Well Name A-9a WN
Field Name Mackerel FN
Rig : Prod4 / Crane CLAB, COUN
State: Victoria SLAB, STAT
Nation Australia NATI
Field Location Gippsland FL
Basin FL1
Bass Strait FL2
Service Order Number Ausl08509126 SON
Longitude 148 20'33.955116"E LONG
Latitude 038 28'44.771952"S LATI
Maximum Hole Deviation 57.0 (deg) MHD
Elevation of Kelly Bushing 39.5 (m) EKB
Field Completion Date 2008-07-24 ECD

Elevation of Ground Level	-93.0 (m)		EGL
Elevation of Derrick Floor	39.5 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)
Log Measured From	D.F	Above Permanent Datum	39.5 (m)
Drilling Measured From	D.F		PDAT, EPD LMF, APD DMF

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

Job Data

Date as Month–Day–Year	19–Jul–2008		DATE
Run Number	One		RUN
Total Depth – Driller	3090.0 (m)		TDD
Total Depth – Logger	3090.0 (m)		TDL
Bottom Log Interval	3090.0 (m)		BLI
Top Log Interval	3025.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	11.9 (m)		CDF
Casing Depth To	3182.6 (m)		CADT
Casing Grade	L–80		CASG
Casing Weight	29.7 (lbm/ft)		CWEI
Bit Size	9.78 (in)		BS
Date Logger At Bottom	19–Jul–2008	Time Logger At Bottom	8:15
Logging Unit Number	889	Logging Unit Location	Prod4 / Crane
Engineer's Name	G Wright.		DLAB, TLAB LUN, LUL ENGI
Witness's Name	G Rimmer.		WITN
Service Order Number	Ausl08509126		SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	107.2 (degC)		MRT
	107.2 (degC)		MRT1
Date Logger At Bottom	19–Jul–2008	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, 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 supplied with program.	R1
Maximum well deviation = 57 degrees at 2966m MDKB.	R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.	R3
Static and flowing data recorded.	R4
SBHP @ HUD = psia.	R6
FBHP @ HUD = psia.	R7
SBHT = 225 degf,FBHT = 225 degf.	R8
Perforation zone ?? MDKB appears to be the	R9
main source of production.	R10
Crew : Jake Annear & Chris Shiells.	R15

Other Services

None	OS1
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Frame Summary File: FCS_ILS_DEFT_GMS_087PUP Sequence: 9

Origin: 44

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE–DEPTH	3081.53	3010.81 m	–60.0 (0.1 in) up	99	TDEP	60B
	10110.00	9878.00 ft				
BOREHOLE–DEPTH	3081.53	3010.99 m	–10.0 (0.1 in) up	7	TDEP;1	10B
	10110.00	9878.58 ft				

File Header File: FCS_ILS_DEFT_GMS_088PUP Sequence: 10

Defining Origin: 44

File ID: FCS_ILS_DEFT_GMS_088PUP	File Type: PLAYBACK				
Producer Name: Schlumberger	Product/Version: OP 15C0–309	File Set: 41	File Number: 79	24–JUL–2008 16:08:57	
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A–9a				
Field Name:	Mackerel				

Error Summary	File: FCS_ILS_DEFT_GMS_088PUP	Sequence: 10
No errors detected in file.		

Well Site Data	File: FCS_ILS_DEFT_GMS_088PUP	Sequence: 10
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Origin: 44		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-9a	WN
Field Name	Mackerel	FN
Rig :	Prod4 / Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl08509126	SON
Longitude	148 20'33.955116"E	LONG
Latitude	038 28'44.771952"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	39.5 (m)	EKB
Elevation of Ground Level	-93.0 (m)	EGL
Elevation of Derrick Floor	39.5 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
Elevation of Permanent Datum 0.0 (m)		
Above Permanent Datum 39.5 (m)		
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN		

Job Data		
Date as Month-Day-Year	19-Jul-2008	DATE
Run Number	One	RUN
Total Depth - Driller	3090.0 (m)	TDD
Total Depth - Logger	3090.0 (m)	TDL
Bottom Log Interval	3090.0 (m)	BLI
Top Log Interval	3025.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	11.9 (m)	CDF
Casing Depth To	3182.6 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.7 (lbm/ft)	CWEI
Bit Size	9.78 (in)	BS
Date Logger At Bottom	19-Jul-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright.	ENGI
Witness's Name	G Rimmer.	WITN
Service Order Number	Ausl08509126	SON
Time Logger At Bottom 8:15		
Logging Unit Location Prod4 / Crane		
Absent Valued Parameters: BSDF, BSDT		

Mud Data		
Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	107.2 (degC)	MRT
	107.2 (degC)	MRT1
Date Logger At Bottom	19-Jul-2008	DLAB, TLAB
Time Logger At Bottom 8:15		
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 supplied with program.		R1
Maximum well deviation = 57 degrees at 2966m MDKB.		R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.		R3
Static and flowing data recorded.		R4

Static and flowing data recorded.
SBHP @ HUD = psia.
FBHP @ HUD = psia.
SBHT = 225 degf,FBHT = 225 degf.
Perforation zone ?? MDKB appears to be the
main source of production.
Crew : Jake Annear & Chris Shiells.

R4
R6
R7
R8
R9
R10
R15

Other Services

None OS1

Frame Summary

File: **FCS_ILS_DEFT_GMS_088PUP** Sequence: **10**

Origin: 44

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3081.68	3007.16 m	-60.0 (0.1 in) up	99	TDEP	60B
	10110.50	9866.00 ft				
BOREHOLE-DEPTH	3081.68	3007.33 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	10110.50	9866.58 ft				

File Header

File: **FCS_ILS_DEFT_GMS_089PUP** Sequence: **11**

Defining Origin: 44

File ID: FCS_ILS_DEFT_GMS_089PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 15C0-309 File Set: 41 File Number: 80 24-JUL-2008 16:09:48
Company Name: Esso Australia Pty Ltd.
Well Name: A-9a
Field Name: Mackerel
Tool String: PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A
Computations: WELLCAD, SPRI, BORDYN, PLQL

Error Summary

File: **FCS_ILS_DEFT_GMS_089PUP** Sequence: **11**

No errors detected in file.

Well Site Data

File: **FCS_ILS_DEFT_GMS_089PUP** Sequence: **11**

Origin: 44

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-9a	WN
Field Name	Mackerel	FN
Rig :	Prod4 / Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl08509126	SON
Longitude	148 20'33.955116"E	LONG
Latitude	038 28'44.771952"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	39.5 (m)	EKB
Elevation of Ground Level	-93.0 (m)	EGL
Elevation of Derrick Floor	39.5 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
	Elevation of Permanent Datum 0.0 (m)	
	Above Permanent Datum 39.5 (m)	

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

Job Data

Date as Month-Day-Year	19-Jul-2008	DATE
Run Number	One	RUN
Total Depth - Driller	3090.0 (m)	TDD
Total Depth - Logger	3090.0 (m)	TDL
		DA

Bottom Log Interval	3090.0 (m)			BL
Top Log Interval	3025.0 (m)			TLI
Current Casing Size	7.63 (in)			CSIZ
Casing Depth From	11.9 (m)			CDF
Casing Depth To	3182.6 (m)			CADT
Casing Grade	L-80			CASG
Casing Weight	29.7 (lbm/ft)			CWEI
Bit Size	9.78 (in)			BS
Date Logger At Bottom	19-Jul-2008	Time Logger At Bottom	8:15	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location	Prod4 / Crane	LUN, LUL
Engineer's Name	G Wright.			ENGI
Witness's Name	G Rimmer.			WITN
Service Order Number	Ausl08509126			SON
Absent Valued Parameters: BSDF, BSDT				
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Maximum Recorded Temperature	107.2 (degC)			MRT
	107.2 (degC)			MRT1
Date Logger At Bottom	19-Jul-2008	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, 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 supplied with program.				R1
Maximum well deviation = 57 degrees at 2966m MDKB.				R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.				R3
Static and flowing data recorded.				R4
SBHP @ HUD = psia.				R6
FBHP @ HUD = psia.				R7
SBHT = 225 degf,FBHT = 225 degf.				R8
Perforation zone ?? MDKB appears to be the				R9
main source of production.				R10
Crew : Jake Annear & Chris Shiells.				R15
Other Services				
None				OS1

Frame Summary File: FCS_ILS_DEFT_GMS_089PUP Sequence: 11						
Origin: 44						
<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	3085.49	3010.81 m	-60.0 (0.1 in) up	99	TDEP	60B
	10123.00	9878.00 ft				
BOREHOLE-DEPTH	3085.49	3010.99 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	10123.00	9878.58 ft				

File Header		File: FCS_ILS_DEFT_GMS_096PUP		Sequence: 12	
Defining Origin: 92					
File ID: FCS_ILS_DEFT_GMS_096PUP File Type: PLAYBACK					
Producer Name: Schlumberger		Product/Version: OP 15C0-309		File Set: 41	File Number: 87 24-JUL-2008 16:51:34
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A-9a				
Field Name:	Mackerel				
Tool String:	PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A				
Computations:	WELLCAD, SPRI, BORDYN, PLQL				

Error Summary File: FCS_ILS_DEFT_GMS_096PUP Sequence: 12		
No errors detected in file.		

Well Site Data File: FCS_ILS_DEFT_GMS_096PUP Sequence: 12		
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Origin: 92

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-9a	WN
Field Name	Mackerel	FN
Rig :	Prod4 / Crane	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland	FL
	Basin	FL1
	Bass Strait	FL2
Service Order Number	Ausl08509126	SON
Longitude	148 20'33.955116"E	LONG
Latitude	038 28'44.771952"S	LATI
Maximum Hole Deviation	57.0 (deg)	MHD
Elevation of Kelly Bushing	39.5 (m)	EKB
Elevation of Ground Level	-93.0 (m)	EGL
Elevation of Derrick Floor	39.5 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	D.F	LMF, APD
Drilling Measured From	D.F	DMF
Elevation of Permanent Datum 0.0 (m)		
Above Permanent Datum 39.5 (m)		

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

Job Data

Date as Month-Day-Year	19-Jul-2008	DATE
Run Number	One	RUN
Total Depth - Driller	3090.0 (m)	TDD
Total Depth - Logger	3090.0 (m)	TDL
Bottom Log Interval	3090.0 (m)	BLI
Top Log Interval	3025.0 (m)	TLI
Current Casing Size	7.63 (in)	CSIZ
Casing Depth From	11.9 (m)	CDF
Casing Depth To	3182.6 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	29.7 (lbm/ft)	CWEI
Bit Size	9.78 (in)	BS
Date Logger At Bottom	19-Jul-2008	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	G Wright.	ENGI
Witness's Name	G Rimmer.	WITN
Service Order Number	Ausl08509126	SON
Time Logger At Bottom 8:15		
Logging Unit Location Prod4 / Crane		

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	107.2 (degC)	MRT
	107.2 (degC)	MRT1
Date Logger At Bottom	19-Jul-2008	DLAB, TLAB
Time Logger At Bottom 8:15		

Absent Valued Parameters: DFD, DFV, DFL, DFP, 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 supplied with program.	R1
Maximum well deviation = 57 degrees at 2966m MDKB.	R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.	R3
Static and flowing data recorded.	R4
SBHP @ HUD = psia.	R6
FBHP @ HUD = psia.	R7
SBHT = 225 degf,FBHT = 225 degf.	R8
Perforation zone ?? MDKB appears to be the	R9
main source of production.	R10
Crew : Jake Annear & Chris Shiells.	R15

Other Services

None	OS1
------	-----

Frame Summary		File: FCS_ILS_DEFT_GMS_096PUP		Sequence: 12		
Origin: 92						
<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	3080.46	3007.92 m	-60.0 (0.1 in) up	93	TDEP	60B
	10106.50	9868.50 ft				
BOREHOLE-DEPTH	3080.46	3007.94 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	10106.50	9868.58 ft				

File Header		File: FCS_ILS_DEFT_GMS_091PUP	Sequence: 13
Defining Origin: 44			
File ID: FCS_ILS_DEFT_GMS_091PUP		File Type: PLAYBACK	
Producer Name: Schlumberger		Product/Version: OP 15C0-309	
		File Set: 41	File Number: 82
		24-JUL-2008 16:11:22	
Company Name: Esso Australia Pty Ltd.			
Well Name: A-9a			
Field Name: Mackerel			
Tool String: PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A			
Computations: WELLCAD, SPRI, BORDYN, PLQL			

Error Summary		File: FCS_ILS_DEFT_GMS_091PUP	Sequence: 13
No errors detected in file.			

Well Site Data		File: FCS_ILS_DEFT_GMS_091PUP	Sequence: 13
Origin: 44			
Well Data			
Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-9a		WN
Field Name	Mackerel		FN
Rig :	Prod4 / Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	Ausl08509126		SON
Longitude	148 20'33.955116"E		LONG
Latitude	038 28'44.771952"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	39.5 (m)		EKB
Elevation of Ground Level	-93.0 (m)		EGL
Elevation of Derrick Floor	39.5 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 39.5 (m)	LMF, APD
Drilling Measured From	D.F		DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN			
Job Data			
Date as Month-Day-Year	19-Jul-2008		DATE
Run Number	One		RUN
Total Depth - Driller	3090.0 (m)		TDD
Total Depth - Logger	3090.0 (m)		TDL
Bottom Log Interval	3090.0 (m)		BLI
Top Log Interval	3025.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	11.9 (m)		CDF
Casing Depth To	3182.6 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	29.7 (lbm/ft)		CWEI
Bit Size	9.78 (in)		BS
Date Logger At Bottom	19-Jul-2008	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod4 / Crane	LUN, LUL
Engineer's Name	G Wright.		ENGI
Witness's Name	G Rimmer.		WITN
Service Order Number	Ausl08509126		SON

Service Order Number		Ausl08509126		SON	
Absent Valued Parameters: BSDF, BSDT					
Mud Data					
Drilling Fluid Type	Production Fluids			DFT	
Maximum Recorded Temperature	107.2 (degC)			MRT	
	107.2 (degC)			MRT1	
Date Logger At Bottom	19-Jul-2008		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, 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 supplied with program.					R1
Maximum well deviation = 57 degrees at 2966m MDKB.					R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.					R3
Static and flowing data recorded.					R4
SBHP @ HUD = psia.					R6
FBHP @ HUD = psia.					R7
SBHT = 225 degf,FBHT = 225 degf.					R8
Perforation zone ?? MDKB appears to be the					R9
main source of production.					R10
Crew : Jake Annear & Chris Shiells.					R15
Other Services					
None					OS1

Frame Summary		File: FCS_ILS_DEFT_GMS_091PUP		Sequence: 13		
Origin: 44						
<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	3084.42	3011.12 m	-60.0 (0.1 in) up	99	TDEP	60B
	10119.50	9879.00 ft				
BOREHOLE-DEPTH	3084.42	3011.30 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	10119.50	9879.58 ft				

File Header		File: FCS_ILS_DEFT_GMS_092PUP	Sequence: 14		
Defining Origin: 44					
File ID: FCS_ILS_DEFT_GMS_092PUP File Type: PLAYBACK					
Producer Name: Schlumberger		Product/Version: OP 15C0-309	File Set: 41	File Number: 83	24-JUL-2008 16:12:47
Company Name:	Esso Australia Pty Ltd.				
Well Name:	A-9a				
Field Name:	Mackerel				
Tool String:	PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A				
Computations:	WELLCAD, SPRI, BORDYN, PLQL				

Error Summary	File: FCS_ILS_DEFT_GMS_092PUP	Sequence: 14
No errors detected in file.		

Well Site Data		File: FCS_ILS_DEFT_GMS_092PUP	Sequence: 14
Origin: 44			
Well Data			
Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-9a		WN
Field Name	Mackerel		FN
Rig :	Prod4 / Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1

Service Order Number	Bass Strait Ausl08509126		FL2 SON
Longitude	148 20'33.955116"E		LONG
Latitude	038 28'44.771952"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	39.5 (m)		EKB
Elevation of Ground Level	−93.0 (m)		EGL
Elevation of Derrick Floor	39.5 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 39.5 (m)	LMF, APD
Drilling Measured From	D.F		DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN			
Job Data			
Date as Month–Day–Year	19–Jul–2008		DATE
Run Number	One		RUN
Total Depth – Driller	3090.0 (m)		TDD
Total Depth – Logger	3090.0 (m)		TDL
Bottom Log Interval	3090.0 (m)		BLI
Top Log Interval	3025.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	11.9 (m)		CDF
Casing Depth To	3182.6 (m)		CADT
Casing Grade	L–80		CASG
Casing Weight	29.7 (lbm/ft)		CWEI
Bit Size	9.78 (in)		BS
Date Logger At Bottom	19–Jul–2008	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod4 / Crane	LUN, LUL
Engineer's Name	G Wright.		ENGI
Witness's Name	G Rimmer.		WITN
Service Order Number	Ausl08509126		SON
Absent Valued Parameters: BSDF, BSDT			
Mud Data			
Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	107.2 (degC)		MRT
	107.2 (degC)		MRT1
Date Logger At Bottom	19–Jul–2008	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, 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 supplied with program.			R1
Maximum well deviation = 57 degrees at 2966m MDKB.			R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.			R3
Static and flowing data recorded.			R4
SBHP @ HUD = psia.			R6
FBHP @ HUD = psia.			R7
SBHT = 225 degf,FBHT = 225 degf.			R8
Perforation zone ?? MDKB appears to be the			R9
main source of production.			R10
Crew : Jake Annear & Chris Shiells.			R15
Other Services			
None			OS1

<div> <div>Frame Summary</div> <div>File: FCS_ILS_DEFT_GMS_092PUP</div> <div>Sequence: 14</div> </div>						
Origin: 44						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE–DEPTH	3078.18	3007.61 m	−60.0 (0.1 in) up	99	TDEP	60B
	10099.00	9867.50 ft				
BOREHOLE–DEPTH	3078.18	3007.79 m	−10.0 (0.1 in) up	4	TDEP;1	10B

File Header

File: FCS_ILS_DEFT_GMS_093PUP

Sequence: 15

Defining Origin: 44

File ID: FCS_ILS_DEFT_GMS_093PUP File Type: PLAYBACK

Producer Name: Schlumberger

Product/Version: OP 15C0-309

File Set: 41

File Number: 84

24-JUL-2008 16:13:18

Company Name: Esso Australia Pty Ltd.

Well Name: A-9a

Field Name: Mackerel

Tool String: PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A

Computations: WELLCAD, SPRI, BORDYN, PLQL

Error Summary

File: FCS_ILS_DEFT_GMS_093PUP

Sequence: 15

No errors detected in file.

Well Site Data

File: FCS_ILS_DEFT_GMS_093PUP

Sequence: 15

Origin: 44

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-9a		WN
Field Name	Mackerel		FN
Rig :	Prod4 / Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	Ausl08509126		SON
Longitude	148 20'33.955116"E		LONG
Latitude	038 28'44.771952"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	39.5 (m)		EKB
Elevation of Ground Level	-93.0 (m)		EGL
Elevation of Derrick Floor	39.5 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum 39.5 (m)	LMF, APD
Drilling Measured From	D.F		DMF

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

Job Data

Date as Month-Day-Year	19-Jul-2008		DATE
Run Number	One		RUN
Total Depth - Driller	3090.0 (m)		TDD
Total Depth - Logger	3090.0 (m)		TDL
Bottom Log Interval	3090.0 (m)		BLI
Top Log Interval	3025.0 (m)		TLI
Current Casing Size	7.63 (in)		CSIZ
Casing Depth From	11.9 (m)		CDF
Casing Depth To	3182.6 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	29.7 (lbm/ft)		CWEI
Bit Size	9.78 (in)		BS
Date Logger At Bottom	19-Jul-2008	Time Logger At Bottom 8:15	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod4 / Crane	LUN, LUL
Engineer's Name	G Wright.		ENGI
Witness's Name	G Rimmer.		WITN
Service Order Number	Ausl08509126		SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	107.2 (degC)		MRT
	107.2 (degC)		MRT1
Date Logger At Bottom	19-Jul-2008	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, MRT2, MRT3, DCS, TCS

PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, RO, RW, IRG, RPP, RPT, 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 supplied with program.			R1
Maximum well deviation = 57 degrees at 2966m MDKB.			R2
Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.			R3
Static and flowing data recorded.			R4
SBHP @ HUD = psia.			R6
FBHP @ HUD = psia.			R7
SBHT = 225 degf,FBHT = 225 degf.			R8
Perforation zone ?? MDKB appears to be the			R9
main source of production.			R10
Crew : Jake Annear & Chris Shiells.			R15
Other Services			
None			OS1

Frame Summary		File: FCS_ILS_DEFT_GMS_093PUP		Sequence: 15		
Origin: 44						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3082.14	3010.66 m	-60.0 (0.1 in) up	99	TDEP	60B
	10112.00	9877.50 ft				
BOREHOLE-DEPTH	3082.14	3010.84 m	-10.0 (0.1 in) up	7	TDEP;1	10B
	10112.00	9878.08 ft				

File Header		File: FCS_ILS_DEFT_GMS_094PUP	Sequence: 16	
Defining Origin: 44				
File ID: FCS_ILS_DEFT_GMS_094PUP File Type: PLAYBACK				
Producer Name: Schlumberger		Product/Version: OP 15C0-309	File Set: 41	File Number: 85 24-JUL-2008 16:14:05
Company Name:	Esso Australia Pty Ltd.			
Well Name:	A-9a			
Field Name:	Mackerel			
Tool String:	PFCS-A, PILS-A, DEFT-C2, PGMC-A/B, PSPT-A			
Computations:	WELLCAD, SPRI, BORDYN, PLQL			

Error Summary		File: FCS_ILS_DEFT_GMS_094PUP	Sequence: 16
No errors detected in file.			

Well Site Data		File: FCS_ILS_DEFT_GMS_094PUP	Sequence: 16
Origin: 44			
Well Data			
Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-9a		WN
Field Name	Mackerel		FN
Rig :	Prod4 / Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	Ausl08509126		SON
Longitude	148 20'33.955116"E		LONG
Latitude	038 28'44.771952"S		LATI
Maximum Hole Deviation	57.0 (deg)		MHD
Elevation of Kelly Bushing	39.5 (m)		EKB
Elevation of Ground Level	-93.0 (m)		EGL
Elevation of Derrick Floor	39.5 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	PDAT, EPD
Log Measured From	D.F	Above Permanent Datum	LMF, APD
Drilling Measured From	D.F		DMF
Absent Valued Parameters: CN1, CONT, SECT, TOWN, RANG, APIN			

Absent Valued Parameters: CNT, CONT, CLOT, FLOW, FLOWC, FLOWI

Job Data

Date as Month-Day-Year

19-Jul-2008

DATE

Run Number

One

RUN

Total Depth – Driller

3090.0 (m)

TDD

Total Depth – Logger

3090.0 (m)

TDL

Bottom Log Interval

3090.0 (m)

BLI

Top Log Interval

3025.0 (m)

TLI

Current Casing Size

7.63 (in)

CSIZ

Casing Depth From

11.9 (m)

CDF

Casing Depth To

3182.6 (m)

CADT

Casing Grade

L-80

CASG

Casing Weight

29.7 (lbm/ft)

CWEI

Bit Size

9.78 (in)

BS

Date Logger At Bottom

19-Jul-2008

Time Logger At Bottom

8:15

DLAB, TLAB

Logging Unit Number

889

Logging Unit Location

Prod4 / Crane

LUN, LUL

Engineer's Name

G Wright.

ENGI

Witness's Name

G Rimmer.

WITN

Service Order Number

Ausl08509126

SON

Absent Valued Parameters: BSDF, BSDT

Mud Data

Drilling Fluid Type

Production Fluids

DFT

Maximum Recorded Temperature

107.2 (degC)

MRT

107.2 (degC)

MRT1

Date Logger At Bottom

19-Jul-2008

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, 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 supplied with program.

R1

Maximum well deviation = 57 degrees at 2966m MDKB.

R2

Dual Deft,PLT survey logged from 3075m MDKB to 3025m MDKB.

R3

Static and flowing data recorded.

R4

SBHP @ HUD = psia.

R6

FBHP @ HUD = psia.

R7

SBHT = 225 degf,FBHT = 225 degf.

R8

Perforation zone ?? MDKB appears to be the

R9

main source of production.

R10

Crew : Jake Annear & Chris Shiells.

R15

Other Services

None

OS1

Frame Summary						
File: FCS_ILS_DEFT_GMS_094PUP		Sequence: 16				
Origin: 44						
Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE-DEPTH	3077.72	3006.85 m	-60.0 (0.1 in) up	99	TDEP	60B
	10097.50	9865.00 ft				
BOREHOLE-DEPTH	3077.72	3007.03 m	-10.0 (0.1 in) up	4	TDEP;1	10B
	10097.50	9865.58 ft				

Schlumberger

Verification Listing

Listing Completed: 25-JUL-2008 15:40:59