

Input Source: D:\OP_Folder\Clients\Eso2009\SNA_A11A\PFCS\COMP_SNA_A11A_RST_SPIN_132.DLIS
Format: DLIS
Storage Set ID: Default Storage Set

Max Record Length: 8192
Storage Unit Sequence: 1

File Header File: **FCS_RST_PSP_PSTS_038PUP** Sequence: **1**

Defining Origin: 44

File ID: FCS_RST_PSP_PSTS_038PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 17C0-154 File Set: 41 File Number: 38 23-OCT-2009 11:01:46
Company Name: Esso Australia Pty Ltd.
Well Name: A-11a
Field Name: Snapper
Tool String: PFCS-A, RST-C, PBMS-T, PSTS-S1, PSTS-S2, PS
Computations: WELLCAD, BORDYN, PLQL

Error Summary File: **FCS_RST_PSP_PSTS_038PUP** Sequence: **1**

No errors detected in file.

Well Site Data File: **FCS_RST_PSP_PSTS_038PUP** Sequence: **1**

Origin: 44

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-11a	WN
Field Name	Snapper	FN
Rig:	Snapper / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland Basin	FL
	Bass Strait	FL1
Service Order Number	B297-0006	SON
Longitude	148°01'26.52"E	LONG
Latitude	038°11'42.96"S	LATI
Maximum Hole Deviation	84.5 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	0.0 (m)	EGL
Elevation of Derrick Floor	41.7 (m)	EDF
Permanent Datum	M.S.L.	PDAT, EPD
Log Measured From	DF	LMF, APD
Drilling Measured From	DF	DMF

Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN

Job Data

Date as Month-Day-Year	22-Oct-2009	DATE
Run Number	1	RUN
Total Depth - Driller	5170.2 (m)	TDD
Bottom Log Interval	5150.0 (m)	BLI
Top Log Interval	4800.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	4080.0 (m)	CDF
Casing Depth To	5202.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	7.66 (in)	BS
Bit Size Depth From	4347.8 (m)	BSDF
Bit Size Depth To	5202.0 (m)	BSDT
Logging Unit Number	889	LUN, LUL
Logging Unit Location	AUSL	
Engineer's Name	J Hollingworth , S Gilbert	ENGI
Witness's Name	A Smyth , G Rimmer	WITN
Service Order Number	B297-0006	SON

Absent Valued Parameters: TDL, DLAB, TLAB

Mud Data

Drilling Fluid Type	Production Fluids	DFT
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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

Other Services

2" HSD	OS1
7" MPBT	OS2

Frame Summary File: FCS_RST_PSP_PSTS_038PUP 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	5145.79	4676.24 m	-60.0 (0.1 in) up	158	TDEP	60B
	16882.50	15342.00 ft				
BOREHOLE-DEPTH	5145.79	4676.42 m	-10.0 (0.1 in) up	9	TDEP;1	10B
	16882.50	15342.58 ft				

File Header File: FCS_RST_PSP_PSTS_036LTP Sequence: 2

Defining Origin: 44				
File ID: FCS_RST_PSP_PSTS_036LTP File Type: STATION				
Producer Name: Schlumberger		Product/Version: OP 17C0-154	File Set: 41	File Number: 34 23-OCT-2009 10:44:22
Company Name:	Esso Australia Pty Ltd.			
Well Name:	A-11a			
Field Name:	Snapper			
Tool String:	PFCS-A, RST-C, PBMS-T, PSTS-S1, PSTS-S2, PS			
Computations:	WELLCAD, BORDYN, PLQL			

Error Summary File: FCS_RST_PSP_PSTS_036LTP Sequence: 2

No errors detected in file.

Well Site Data File: FCS_RST_PSP_PSTS_036LTP Sequence: 2

Origin: 44			
Well Data			
Company Name	Esso Australia Pty Ltd.		CN
Well Name	A-11a		WN
Field Name	Snapper		FN
Rig:	Snapper / Prod 4		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland Basin		FL
	Bass Strait		FL1
Service Order Number	B297-0006		SON
Longitude	148°01'26.52"E		LONG
Latitude	038°11'42.96"S		LATI
Maximum Hole Deviation	84.5 (deg)		MHD
Elevation of Kelly Bushing	41.7 (m)		EKB
Elevation of Ground Level	0.0 (m)		EGL
Elevation of Derrick Floor	41.7 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD

Log Measured From	DF	Above Permanent Datum	41.7 (m)	LMF, APD
Drilling Measured From	DF			DMF
Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN				
Job Data				
Date as Month–Day–Year	22–Oct–2009			DATE
Run Number	1			RUN
Total Depth – Driller	5170.2 (m)			TDD
Bottom Log Interval	5150.0 (m)			BLI
Top Log Interval	4800.0 (m)			TLI
Current Casing Size	7.00 (in)			CSIZ
Casing Depth From	4080.0 (m)			CDF
Casing Depth To	5202.0 (m)			CADT
Casing Grade	L–80			CASG
Casing Weight	26.0 (lbm/ft)			CWEI
Bit Size	7.66 (in)			BS
Bit Size Depth From	4347.8 (m)			BSDF
Bit Size Depth To	5202.0 (m)			BSDT
Logging Unit Number	889	Logging Unit Location	AUSL	LUN, LUL
Engineer's Name	J Hollingworth , S Gilbert			ENGI
Witness's Name	A Smyth , G Rimmer			WITN
Service Order Number	B297–0006			SON
Absent Valued Parameters: TDL, DLAB, TLAB				
Mud Data				
Drilling Fluid Type	Production Fluids			DFT
Absent Valued Parameters: DFD, DFV, DFL, DFPH, BSAL, MSS, RMS, MST, RMFS, MFST, RMCS, MCST, RMB, RMFB, MRT, MRT1, MRT2, MRT3, DCS, TCS, DLAB, TLAB				
PVT Data				
Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR				
Cement Data				
Cement Job Type	Primary			CJT
Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA				
Other Services				
2" HSD				OS1
7" MPBT				OS2

Frame Summary		File: FCS_RST_PSP_PSTS_036LTP	Sequence: 2
Origin: 44			
<u>Index Type</u>	<u>Start</u>	<u>Stop</u>	<u>Spacing</u>
TIME	53502.85	54095.85 s	2000.0 (0.5 ms)
			<u>Channels</u>
			46
			<u>Index Channel</u>
			TIME;4
			<u>Frame Name</u>
			2000T

File Header		File: FCS_RST_PSP_PSTS_048PUP	Sequence: 3
Defining Origin: 98			
File ID: FCS_RST_PSP_PSTS_048PUP File Type: PLAYBACK			
Producer Name: Schlumberger		Product/Version: OP 17C0–154	File Set: 41
			File Number: 52
			23–OCT–2009 21:19:51
Company Name: Esso Australia Pty Ltd.			
Well Name: A–11a			
Field Name: Snapper			
Tool String: PFCS–A, RST–C, PBMS–T, PSTS–S1, PSTS–S2, PS			
Computations: WELLCAD, BORDYN, PLQL			

Error Summary		File: FCS_RST_PSP_PSTS_048PUP	Sequence: 3
No errors detected in file.			

Well Site Data		File: FCS_RST_PSP_PSTS_048PUP	Sequence: 3
Origin: 98			
Well Data			
Company Name	Esso Australia Pty Ltd.		CN

Well Name	A-11a		WN
Field Name	Snapper		FN
Rig:	Snapper / Prod 4		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland Basin		FL
	Bass Strait		FL1
Service Order Number	B297-0006		SON
Longitude	148°01'26.52"E		LONG
Latitude	038°11'42.96"S		LATI
Maximum Hole Deviation	84.5 (deg)		MHD
Elevation of Kelly Bushing	41.7 (m)		EKB
Elevation of Ground Level	0.0 (m)		EGL
Elevation of Derrick Floor	41.7 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum	0.0 (m)
Log Measured From	DF	Above Permanent Datum	41.7 (m)
Drilling Measured From	DF		DMF
Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN			

Job Data

Date as Month–Day–Year	22–Oct–2009		DATE
Run Number	1		RUN
Total Depth – Driller	5170.2 (m)		TDD
Total Depth – Logger	5137.0 (m)		TDL
Bottom Log Interval	5150.0 (m)		BLI
Top Log Interval	4800.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	4080.0 (m)		CDF
Casing Depth To	5202.0 (m)		CADT
Casing Grade	L–80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	7.66 (in)		BS
Bit Size Depth From	4347.8 (m)		BSDF
Bit Size Depth To	5202.0 (m)		BSDT
Date Logger At Bottom	23–Oct–2009	Time Logger At Bottom	8:49
Logging Unit Number	889	Logging Unit Location	AUSL
Engineer's Name	J Hollingworth , S Gilbert		DLAB, TLAB
Witness's Name	A Smyth , G Rimmer		LUN, LUL
Service Order Number	B297-0006		ENGI
			WITN
			SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	220.0 (degC)		MRT
	220.0 (degC)		MRT1
Date Logger At Bottom	23–Oct–2009	Time Logger At Bottom	8:49
			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

Other Services

2" HSD			OS1
7" MPBT			OS2

Frame Summary File: FCS_RST_PSP_PSTS_048PUP Sequence: 3

Origin: 98

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE–DEPTH	5133.75	4719.68 m	–60.0 (0.1 in) up	158	TDEP	60B
	16843.00	15484.50 ft				
BOREHOLE–DEPTH	5133.75	4719.85 m	–10.0 (0.1 in) up	9	TDEP;1	10B
	16843.00	15485.08 ft				

File Header

File: FCS_RST_PSP_PSTS_131PUP Sequence: 4

File Header

File: FCS_RST_PSP_PSTS_131PUP

Sequence: 4

Defining Origin: 15

File ID: FCS_RST_PSP_PSTS_131PUP

File Type: PLAYBACK

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 140

27-OCT-2009 2:44:36

Company Name: Esso Australia Pty Ltd.

Well Name: A-11a

Field Name: Snapper

Tool String: PFCS-A, RST-C, PBMS-T, PSTS-S1, PSTS-S2, PS

Computations: WELLCAD, BORDYN, PLQL

Error Summary	File: FCS_RST_PSP_PSTS_131PUP	Sequence: 4
No errors detected in file.		

Well Site Data	File: FCS_RST_PSP_PSTS_131PUP	Sequence: 4
Origin: 15		
Well Data		
Company Name	Esso Australia Pty Ltd.	CN
Well Name	A-11a	WN
Field Name	Snapper	FN
Rig:	Snapper / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland Basin	FL
	Bass Strait	FL1
Service Order Number	B297-0006	SON
Longitude	148°01'26.52"E	LONG
Latitude	038°11'42.96"S	LATI
Maximum Hole Deviation	84.5 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	0.0 (m)	EGL
Elevation of Derrick Floor	41.7 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	DF	LMF, APD
Drilling Measured From	DF	DMF
	Elevation of Permanent Datum	0.0 (m)
	Above Permanent Datum	41.7 (m)
Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN		

Job Data		
Date as Month-Day-Year	22-Oct-2009	DATE
Run Number	1	RUN
Total Depth – Driller	5170.2 (m)	TDD
Total Depth – Logger	5137.0 (m)	TDL
Bottom Log Interval	5150.0 (m)	BLI
Top Log Interval	4800.0 (m)	TLI
Current Casing Size	7.00 (in)	CSIZ
Casing Depth From	4080.0 (m)	CDF
Casing Depth To	5202.0 (m)	CADT
Casing Grade	L-80	CASG
Casing Weight	26.0 (lbm/ft)	CWEI
Bit Size	7.66 (in)	BS
Bit Size Depth From	4347.8 (m)	BSDF
Bit Size Depth To	5202.0 (m)	BSDT
Date Logger At Bottom	23-Oct-2009	DLAB, TLAB
Logging Unit Number	889	LUN, LUL
Engineer's Name	J Hollingworth , S Gilbert	ENGI
Witness's Name	A Smyth , G Rimmer	WITN
Service Order Number	B297-0006	SON
	Time Logger At Bottom	8:49
	Logging Unit Location	AUSL

Mud Data		
Drilling Fluid Type	Production Fluids	DFT
Maximum Recorded Temperature	218.7 (degF)	MRT
	218.7 (degF)	MRT1
Date Logger At Bottom	23-Oct-2009	DLAB, TLAB
	Time Logger At Bottom	8:49
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, CAPP, ICTY, ICV, ICDE, ICWL, TCA		

Absent Valued Parameters: CROP, CASIN, LCMH, LCVG, CDELN, CWLS, CADD, TCTT, TCV, TDEL, TCWL, TCA

Remarks

Log Correlated to Solar Composite Log . Dated 20-Oct-2009
Objective: Conduct Static and Flowing RST-C SIGMA survey and Fullbore Spinner Survey.
1 Static SIGMA pass up , 1 Flowing SIGMA / Spinner Pass up and 1 Flowing Spinner Pass down.
Maximum dell deviation = 84deg - MAX-TRAC Tractor used from 900m to 4340m MDKB
HUD: 5137m MDKB
SBHP: 2664psia SBHT: 219 degf
FBHP: 2634psia FBHT: 219 degf
SLB Crew - D Halstead , R Murry (Days)
J Annear , G Martin (Nights)

Other Services

2" HSD

Frame Summary

File: FCS_RST_PSP_PSTS_131PUP

Sequence: 4

Origin: 15

Index Type

Start

Stop

Spacing

Channels

Index Channel

Frame Name

BOREHOLE-DEPTH

5124.75

4753.20 m

-60.0 (0.1 in) up

158

TDEP

60B

BOREHOLE-DEPTH

16813.50

15594.50 ft

BOREHOLE-DEPTH

5124.75

4753.23 m

-10.0 (0.1 in) up

6

TDEP,1

10B

16813.50

15594.58 ft

File Header

File: FCS_RST_PSP_PSTS_051LTP

Sequence: 5

Defining Origin: 98

File ID: FCS_RST_PSP_PSTS_051LTP

File Type: STATION

Producer Name: Schlumberger

Product/Version: OP 17C0-154

File Set: 41

File Number: 55

23-OCT-2009 21:26:35

Company Name: Esso Australia Pty Ltd.

Well Name: A-11a

Field Name: Snapper

Tool String: PFCS-A, RST-C, PBMS-T, PSTS-S1, PSTS-S2, PS

Computations: WELLCAD, BORDYN, PLQL

Error Summary

File: FCS_RST_PSP_PSTS_051LTP

Sequence: 5

No errors detected in file.

Well Site Data

File: FCS_RST_PSP_PSTS_051LTP

Sequence: 5

Origin: 98

Well Data

Company Name

Well Name

Field Name

Rig:

State:

Nation

Field Location

Service Order Number

Longitude

Latitude

Maximum Hole Deviation

Elevation of Kelly Bushing

Elevation of Ground Level

Elevation of Derrick Floor

Permanent Datum

Log Measured From

Drilling Measured From

Esso Australia Pty Ltd.

A-11a

Snapper

Snapper / Prod 4

Victoria

Australia

Gippsland Basin

Bass Strait

B297-0006

148*01'26.52"E

038*11'42.96"S

84.5 (deg)

41.7 (m)

0.0 (m)

41.7 (m)

M.S.L

DF

DF

CN

WN

FN

CLAB, COUN

SLAB, STAT

NATI

FL

FL1

SON

LONG

LATI

MHD

EKB

EGL

EDF

PDAT, EPD

LMF, APD

DMF

Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN

Job Data

Date as Month–Day–Year	22–Oct–2009		DATE
Run Number	1		RUN
Total Depth – Driller	5170.2 (m)		TDD
Total Depth – Logger	5137.0 (m)		TDL
Bottom Log Interval	5150.0 (m)		BLI
Top Log Interval	4800.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	4080.0 (m)		CDF
Casing Depth To	5202.0 (m)		CADT
Casing Grade	L–80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	7.66 (in)		BS
Bit Size Depth From	4347.8 (m)		BSDF
Bit Size Depth To	5202.0 (m)		BSDT
Date Logger At Bottom	23–Oct–2009	Time Logger At Bottom 8:49	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	J Hollingworth , S Gilbert		ENGI
Witness's Name	A Smyth , G Rimmer		WITN
Service Order Number	B297–0006		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	220.0 (degC)		MRT
	220.0 (degC)		MRT1
Date Logger At Bottom	23–Oct–2009	Time Logger At Bottom 8:49	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

Other Services

2" HSD	OS1
7" MPBT	OS2

Frame Summary File: FCS_RST_PSP_PSTS_051LTP Sequence: 5

Origin: 98

<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	10679.74	11625.74 s	2000.0 (0.5 ms)	46	TIME;4	2000T

File Header File: FCS_RST_PSP_PSTS_056PUP Sequence: 6

Defining Origin: 98

File ID: FCS_RST_PSP_PSTS_056PUP	File Type: PLAYBACK			
Producer Name: Schlumberger	Product/Version: OP 17C0–154	File Set: 41	File Number: 60	23–OCT–2009 23:23:54
Company Name:	Esso Australia Pty Ltd.			
Well Name:	A–11a			
Field Name:	Snapper			
Tool String:	PFCS–A, RST–C, PBMS–T, PSTS–S1, PSTS–S2, PS			
Computations:	WELLCAD, BORDYN, PLQL			

Error Summary File: FCS_RST_PSP_PSTS_056PUP Sequence: 6

No errors detected in file.

Well Site Data File: FCS_RST_PSP_PSTS_056PUP Sequence: 6

Origin: 98

Well Data

Company Name	Esso Australia Pty Ltd.	CN
Well Name	A–11a	WN
Field Name	Snapper	FN

Rig:	Snapper / Prod 4	CLAB, COUN
State:	Victoria	SLAB, STAT
Nation	Australia	NATI
Field Location	Gippsland Basin	FL
	Bass Strait	FL1
Service Order Number	B297-0006	SON
Longitude	148*01'26.52"E	LONG
Latitude	038*11'42.96"S	LATI
Maximum Hole Deviation	84.5 (deg)	MHD
Elevation of Kelly Bushing	41.7 (m)	EKB
Elevation of Ground Level	0.0 (m)	EGL
Elevation of Derrick Floor	41.7 (m)	EDF
Permanent Datum	M.S.L	PDAT, EPD
Log Measured From	DF	LMF, APD
Drilling Measured From	DF	DMF
Elevation of Permanent Datum 0.0 (m)		
Above Permanent Datum 41.7 (m)		

Absent Valued Parameters: CN1, CONT, FL2, SECT, TOWN, RANG, APIN

Job Data

Date as Month-Day-Year	22-Oct-2009		DATE
Run Number	1		RUN
Total Depth – Driller	5170.2 (m)		TDD
Total Depth – Logger	5137.0 (m)		TDL
Bottom Log Interval	5150.0 (m)		BLI
Top Log Interval	4800.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	4080.0 (m)		CDF
Casing Depth To	5202.0 (m)		CADT
Casing Grade	L-80		CASG
Casing Weight	35.2 (lbm/ft)		CWEI
Bit Size	7.66 (in)		BS
Bit Size Depth From	4347.8 (m)		BSDF
Bit Size Depth To	5202.0 (m)		BSDT
Date Logger At Bottom	23-Oct-2009	Time Logger At Bottom 8:49	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location AUSL	LUN, LUL
Engineer's Name	J Hollingworth , S Gilbert		ENGI
Witness's Name	A Smyth , G Rimmer		WITN
Service Order Number	B297-0006		SON

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Maximum Recorded Temperature	218.7 (degF)		MRT
	218.7 (degF)		MRT1
Date Logger At Bottom	23-Oct-2009	Time Logger At Bottom 8:49	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 Solar Composite Log . Dated 20-Oct-2009	R1
Objective: Conduct Static and Flowing RST-C SIGMA survey and Fullbore Spinner Survey.	R2
1 Static SIGMA pass up , 1 Flowing SIGMA / Spinner Pass up and 1 Flowing Spinner Pass down.	R3
Maximum dell deviation = 84deg – MAX-TRAC Tractor used from 900m to 4340m MDKB	R4
HUD: 5137m MDKB	R5
SBHP: 2664psia SBHT: 219 degf	R6
FBHP: 2634psia FBHT: 219 degf	R7
SLB Crew – D Halstead , R Murry (Days)	R16
J Annear , G Martin (Nights)	R17

Other Services

2" HSD	OS1
7" MPBT	OS2

Origin: 98

<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	4538.47	4269.49 m	-60.0 (0.1 in) up	158	TDEP	60B
	14890.00	14007.50 ft				
BOREHOLE-DEPTH	4538.47	4269.66 m	-10.0 (0.1 in) up	9	TDEP;1	10B
	14890.00	14008.08 ft				

**Verification Listing****Listing Completed: 27-OCT-2009 3:37:37**