Schlumberger

Verification Listing

Listing Created: 28−JAN−2008 10:13:43
Version: 15C0−309

Input Source: D:\OP_Folder\Clients\Esso_Australia_Pty_Ltd\HLA_A16a\PFCS\HLA A16a PSP 24−Jan−08\Dlis\HLA A16a 004 SI D10_014PUP.DLIS
Format: DLIS
Max Record Length: 8192
Storage Set ID: Default Storage Set
Storage Unit Sequence: 1

File Header

File: **FCS_ILS_DEFT_GMS_014PUP** Sequence: **14**

Defining Origin: 23

File ID: FCS_ILS_DEFT_GMS_014PUP File Type: PLAYBACK
Producer Name: Schlumberger Product/Version: OP 15C0−309 File Set: 41 File Number: 34 26−JAN−2008 4:59:27

Company Name: Esso Australia Pty Ltd.
Well Name: A−16a
Field Name: Halibut
Tool String: PFCS−A, PILS−A, DEFT−C2, PGMC−A, PSPT
Computations: WELLCAD, SPRI, BORDYN, PLQL

Error Summary

File: **FCS_ILS_DEFT_GMS_014PUP** Sequence: **14**

No errors detected in file.

Well Site Data

File: **FCS_ILS_DEFT_GMS_014PUP** Sequence: **14**

Origin: 23

Well Data

Company Name	Esso Australia Pty Ltd.		CN
Well Name	A−16a		WN
Field Name	Halibut		FN
Rig:	Crane		CLAB, COUN
State:	Victoria		SLAB, STAT
Nation	Australia		NATI
Field Location	Gippsland		FL
	Basin		FL1
	Bass Strait		FL2
Service Order Number	AUSL07336276		SON
Longitude	148* 19' 07.62"E		LONG
Latitude	38* 24' 20.36"S		LATI
Maximum Hole Deviation	20.0 (deg)		MHD
Elevation of Kelly Bushing	29.5 (m)		EKB
Elevation of Ground Level	−73.0 (m)		EGL
Elevation of Derrick Floor	29.5 (m)		EDF
Permanent Datum	M.S.L	Elevation of Permanent Datum 0.0 (m)	PDAT, EPD
Log Measured From	K.B	Above Permanent Datum 29.5 (m)	LMF, APD
Drilling Measured From	K.B		DMF

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

Job Data

Date as Month−Day−Year	24−Jan−2008		DATE
Run Number	1		RUN
Total Depth − Driller	2563.0 (m)		TDD
Total Depth − Logger	2520.0 (m)		TDL
Bottom Log Interval	2510.0 (m)		BLI
Top Log Interval	2380.0 (m)		TLI
Current Casing Size	7.00 (in)		CSIZ
Casing Depth From	12.0 (m)		CDF
Casing Depth To	2563.0 (m)		CADT
Casing Grade	L−80		CASG
Casing Weight	26.0 (lbm/ft)		CWEI
Bit Size	8.50 (in)		BS
Bit Size Depth From	546.0 (m)		BSDF
Bit Size Depth To	2563.0 (m)		BSDT
Date Logger At Bottom	24−Jan−2008	Time Logger At Bottom 8:00	DLAB, TLAB
Logging Unit Number	889	Logging Unit Location Prod 4 / AUSL	LUN, LUL
Engineer's Name	S Gilbert / R Sani / C Rowand		ENGI
Witness's Name	B White / JD		WITN
Service Order Number	AUSL07336276		SON

Mud Data

Mud Data

Drilling Fluid Type	Production Fluids		DFT
Drilling Fluid Density	1.000 (g/cm3)		DFD
Maximum Recorded Temperature	106.7 (degC)		MRT
	227.0 (degC)		MRT1
Date Logger At Bottom	24−Jan−2008	Time Logger At Bottom 8:00	DLAB, TLAB

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

PVT Data

Absent Valued Parameters: ODEN, BSAL, GGRA, BO, BW, IBG, BPP, BPT, SGOR

Cement Data

Cement Job Type	Primary	CJT

Absent Valued Parameters: CTOP, CASN, LCMT, LCVO, CDEN, CWLO, CADD, TCTY, TCV, TCDE, TCWL, TCA

Remarks

Log correlated to ExxonMobil Solar Composite Log supplied with logging program.	R1
Objectives: PLT/Dual DEFT and temperature survey over the interval 2500m to 2380m MDKB with 6 static and 6 flowing passes.	R2
Spinner: 3−1/2"	R3
Gradio: Inverted	R4
During the initial flowing survey (F1) the well was shut in, after only completing 4 passes, too check the	R5
integrity of the Gaslift Valves. When the well was reopened it did not stablize, as seen during the F2 flowing survey.	R6
Due too time constraints, stable flow was not achieved.	R7
The flow observed was minimal and did not turn the Spinners while conducting 7" Liner stations.	R8
The low flow rate resulted in flowing passes at 10, 20 and 30 m/min. Not 5 m/min.	R9
Flowing Stations were recorded at 2422, 2418, 2394 , 2385 and 2350m to determine if the tubing Blast	R10
Joints or SSD were leaking.	R11
In the tubing the PFCS full bore spinner closes.	R12
During the Flowing period the Well Test Separator data is affected by A21 leaking into the separator.	R13
Schlumberger crews: J Light, Z Casey, G Martin, C Shiells	R17

Other Services

7" Posiset Plug	OS1
2 1/8" Phased	OS2
Powerjet Perforation	OS3

Channels

File: **FCS_ILS_DEFT_GMS_014PUP** Sequence: **14**

Origin: 23

PFCS−A: PSP Flow and caliper Tool

Spacing: −6.0 in **Number of Channels:** 58

D1RB	DFB1	DFB2	DFB3	DFB4	DFBM	DFCHM	DFH1	DFH2	DFH3	DFH4	DFHM	DFN1	DFN2
DFN3	DFN4	DFNA	DFRB	DFSM	DFT1	DFT2	DFT3	DFT4	DFTM	DFW1	DFW2	DFW3	DFW4
DFX1	DFX2	DFX3	DFX4	DFXA	DP1S	DP2S	DP3S	DP4S	DRES	FBM	FHM	PF2V	PFBC
PFC1	PFC2	PFCVEL	PFGR	PFRE1	PFRE2	PFRE3	PFRE4	PFSD	PFTH1	PFTH2	PFTH3	PFTH4	RB_PFCS
RPFC1	RPFC2												

DEFT−C2: DEFT_C Tool

Spacing: −6.0 in **Number of Channels:** 56

D1RB2	DDFBM	DDFHM	DFB5	DFB6	DFB7	DFB8	DFBM2	DFH5	DFH6	DFH7	DFH8	DFHM2	DFN5
DFN6	DFN7	DFN8	DFNA2	DFRB2	DFSM2	DFT5	DFT6	DFT7	DFT8	DFTM2	DFW5	DFW6	DFW7
DFW8	DFX5	DFX6	DFX7	DFX8	DFXA2	DP5S	DP6S	DP7S	DP8S	DRES2	FBM2	FHM2	PF2V2
PFBC2	PFC12	PFGR2	PFRE5	PFRE6	PFRE7	PFRE8	PFSD2	PFTH5	PFTH6	PFTH7	PFTH8	RB_DEFTC2	
RPFCX2													

PGMC−A: PSP Gradiomanometer Measurement Module

Spacing: −6.0 in **Number of Channels:** 18

GDPR	GPCO	GPOP	GPPE	GPVV	GTCO	GTEP	GTOP	GTPE	GTVV	PG5V	PGDS	PGLF	PGRF
PGUV	RHOSB	UWFD	WFDE										

PSPT−B: Production Services Logging Platform

Spacing: −6.0 in **Number of Channels:** 39

GHVC	GHVM	GR	GR5V	MTEP	MWFD	PAGD	PB5R	PB5V	PBCS	PBDS	PBLF	PM15	PP15
PRFT	PSCT	PSHV	PSP5	PSPP	PSST	PSTP	QGCP	QGKD	QGKF	QGKT	QGKTD	QGKTF	QGPC
QGPD	QGPF	QGTD	QGTF	RGR	SPI5	WPRE	WPRE_TOD7	WTEP	WTGR	WTPE			

Spacing: −1.0 in **Number of Channels:** 4

CCLC	CCLD	HCCL	LCCL

System and Miscellaneous

Spacing: −6.0 in **Number of Channels:** 24

BHPR	BS	CS	CTEM	CUCHV	CVEL	ETIM	GTEM	RCV1	RCVL	RSP1	RSPI	SCV1	SCVL
SPI1	SPIN	SVF1	SVFG	TDEP	TENS	TIME	TOD7_DL	TOJ_DL	WPRE_TOJ				

Spacing: −1.0 in **Number of Channels:** 2

TDEP;1	TIME;1

Frame Summary File: **FCS_ILS_DEFT_GMS_014PUP** Sequence: **14**

Origin: 23

Index Type	Start	Stop	Spacing	Channels	Index Channel	Frame Name
BOREHOLE−DEPTH	2510.03 m 8235.00 ft	2379.27 m 7806.00 ft	−60.0 (0.1 in) up	195	TDEP	60B
BOREHOLE−DEPTH	2510.03 m 8235.00 ft	2379.29 m 7806.08 ft	−10.0 (0.1 in) up	6	TDEP;1	10B

Schlumberger

Verification Listing

Listing Completed: 28−JAN−2008 10:13:43