

Company: Esso Australia Ltd.

Well: WKF W-31a

Field: West Kingfish

Rig: Prod 3/Rig 453

Country: Australia

Prod 3/Rig 453  
West Kingfish  
Gipplsand  
WKF W-31a  
Esso Australia Ltd.

MAXR 4.5" HSD  
GR-CCL  
MAXIS Operating System

LOCATION	
Gipplsand	Elev.: R.T. 33.4 m
Basin	G.L. -76.13 m
Bass Strait	D.F. 33.4 m
Permanent Datum:	Mean Sea Level
Log Measured From:	Rotary Table 33.4 m above Perm. Datum
Drilling Measured From:	Rotary Table

State: Victoria	Max. Well Deviation 59 deg	Longitude 148°06'19.408"E	Latitude 38°35'34.800"S
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Logging Date 13-Jul-2006

Run Number 1

Depth Driller 3417 m

Schlumberger Depth 3382.3 m

Bottom Log Interval 3353 m

Top Log Interval 3350 m

Casing Fluid Type Brine

Salinity

Density 1.02 g/cm3

Fluid Level

BIT/CASING/TUBING STRING

Bit Size 8.500 in

From 1300 m

To 3450 m

Casing/Tubing Size 7.000 in

Weight 26 lbm/ft

Grade L-80

From 11 m

To 3450 m

Maximum Recorded Temperatures

Logger On Bottom 13-Jul-2006 6:19

Unit Number 41 Location AUSL

Recorded By Omar Tahmiscic

Witnessed By Glen Campbell, Cory Stead

PVT DATA

Oil Density	Run 1	Run 2
Water Salinity		
Gas Gravity		
Bo		
Bw		
1/Bg		
Bubble Point Pressure		
Bubble Point Temperature		
Solution GOR		
Maximum Deviation	59 deg	

CEMENTING DATA

Primary/Squeeze	Primary
Casing String No	
Lead Cement Type	
Volume	
Density	
Water Loss	
Additives	
Tail Cement Type	
Volume	
Density	
Water Loss	
Additives	

Expected Cement Top

Logging Date

Run Number

Depth Driller

Schlumberger Depth

Bottom Log Interval

Top Log Interval

Casing Fluid Type

Salinity

Density

Fluid Level

BIT/CASING/TUBING STRING

Bit Size

From

To

Casing/Tubing Size

Weight

Grade

From

To

Maximum Recorded Temperatures

Logger On Bottom

Unit Number Location

Recorded By

Witnessed By

Date Created: 13-JUL-2006 10:19:28

### Logging Cable

Type:	7-46ZV-XS
Serial Number:	76075
Length:	7315.20 M
Conveyance Method:	Wireline
Rig Type:	Offshore_Fixed









Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	DUAL LATEROLOG-GR, DENSITY NEUTRON (by Precision)
Reference Log Run Number:	ONE
Reference Log Date:	6-Jul-2006
Subsequent Trip Down Log Correction:	4.50 M

1. All Schlumberger Depth Control Policies followed.
2. IDW used as Primary Depth Control.
3. Z-Chart used as Secondary Depth Control.
4. GR response used for correlation.
5. Correlation log provided by Esso.
6. Correlation log incorrectly dated as 6-May-2006 (actual date is 6-Jul-2006)

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OS5:

Note: reference log was actually logged on 6-Jul-2006

CCL to MAXR Top Shot = 11.8m					
MAXR Top Shot at 3350m MDRT					
MAXR Bottom Shot at 3353m MDRT					
CCL Stop Depth = 3338.2m MDRT					
HUD observed at 3382.3m MDRT					
Multiple spudding attempts were made to surpass HUD without success.					
TCP engineer: R. Blok					
Day crew: R. Murray and C. Armstrong					
Night crew: P. Flood and M. Ward					
Performed by Schlumberger.					
RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT					
WITM (SHM)					
DOWNHOLE EQUIPMENT					
PEH-A PEH-A 30		17.55			
AH-64 AH-64 2926		17.00			
PGGT-D PGGC PGGH-D 227	Gamma Ray 	1.07 16.59			
	CCL Casin Tension 	TOOL ZERO			
AH-285		14.81			
AH-Firing Head		14.68			
AH-CPST AH-CPST 495		14.60			
SHM_GUN GUN		12.36			



*All depths as per  
WKF W-31a  
Well Schematic  
(07/07/2006)*

Bridge Plug

7.000

0.000

3420.0



3450.0

7.000

Casing Shoe