

**Company: Esso Australia Ltd.**

**Well: WKF W-31a**  
**Field: West Kingfish**  
**Rig: Prod 3/Rig 453**

**Country: Australia**

**MAXR 4.5" HSD  
 GR-CCL  
 MAXIS Operating System**

Rig: Prod 3/Rig 453  
 Field: West Kingfish  
 Location: Gippsland  
 Well: WKF W-31a  
 Company: Esso Australia Ltd.

LOCATION	
Gippsland Basin Bass Strait	Elev.: R.T. 33.4 m G.L. -76.13 m D.F. 33.4 m
Permanent Datum: _____	Mean Sea Level _____
Log Measured From: _____	Rotary Table _____
Drilling Measured From: _____	Rotary Table _____
State: Victoria	Max. Well Deviation 59 deg
Longitude 148°06'19.408"E	Latitude 38°35'34.800"S

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	AUSL
Recorded By	Omar Tahmisiic	
Witnessed By	Glan Campbell, Cory Stead	

		Run 1	Run 2
PVT DATA			
Oil Density			
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			
Recorded By			
Witnessed By			

### DEPTH SUMMARY LISTING

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

#### Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	7-46ZV-XS
Serial Number:	796	Serial Number:	1721	Serial Number:	76075
Calibration Date:	9-Jun-2006	Calibration Date:	13-Jun-2006	Length:	7315.20 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1051	Conveyance Method:	Wireline
Calibration Cable Type:	7-46ZV-XS	Calibration Gain:	0.89	Rig Type:	Offshore_Fixed
Wheel Correction 1:	-6	Calibration Offset:	482.00		
Wheel Correction 2:	-6				

#### Depth Control Parameters

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

#### Depth Control Remarks

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)

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OTHER SERVICES1	OTHER SERVICES2
OS1: None	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
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Log objectives: Run in hole with MAXR 4.5" HSD guns and set hanger so that perforating interval is 3350m to 3353m MDRT.

Correlated to reference log provided by Esso (DUAL LATEROLOG-GR, DENSITY NEUTRON, Dated: 6-May-2006 [see note below], by Precision)

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 #:	L0501G655	SERVICE ORDER #:			
PROGRAM VERSION:	14C0-302	PROGRAM VERSION:			
FLUID LEVEL:		FLUID LEVEL:			
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

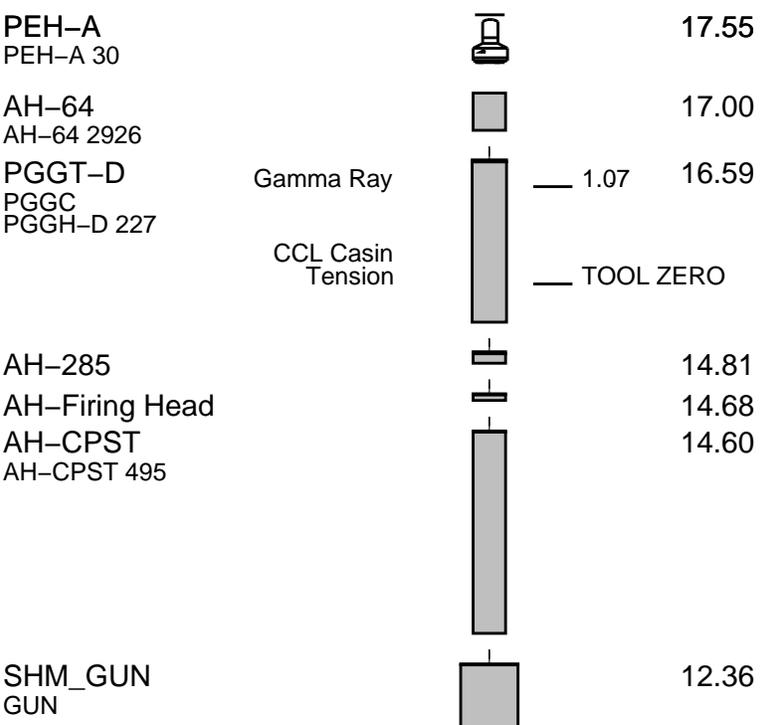
## EQUIPMENT DESCRIPTION

RUN 1 RUN 2

**SURFACE EQUIPMENT**

WITM (SHM)

**DOWNHOLE EQUIPMENT**



RUN 2



TOOL BOTTOM

MAXIMUM STRING DIAMETER 6.00 IN  
 MEASUREMENTS RELATIVE TO TOOL ZERO  
 ALL LENGTHS IN METERS

12/7/2006

Client: Esso Australia Ltd.

Drawing Date:

Well: WKF W-31a

Field: West Kingfish

Rig Name: # 453

State: Victoria

Reference Datum: Mean Sea Level

Country: Australia

Elevation: 33.4 m

Production String	(in)			(m)			Well Schematic	(m)			(in)			Casing String
	OD	ID	MD	MD	OD	ID		MD	OD	ID				
									13.375				Casing String	
									7.000				Casing String	
									1300.0	13.375			Casing Shoe	

*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