

Company: Esso Australia Pty.

Well: A17A

Field: Tuna

Rig: Prod 2 / Crane Country: Australia

2" HSD Perforation  
3359 – 3361 mMDKB  
6 spf, 60 deg

Prod 2 / Crane  
Tuna  
Gippsland  
A17A  
Esso Australia Pty.

LOCATION			
Gippsland		Elev.:	K.B. 32.1 m
Basin			G.L. -59 m
Bass Strait			D.F. 32.1 m
Permanent Datum:	Mean Sea Level	Elev.:	0 m
Log Measured From:	Kelly Bushing	32.1 m	above Perm. Datum
Drilling Measured From:	Kelly Bushing		
State: Victoria	Max. Well Deviation 64 deg	Longitude 148°25' 05.29"E	Latitude 38°10' 16.00"S

Logging Date	12-Feb-2006		
Run Number	1		
Depth Driller	3402 m		
Schlumberger Depth	not tagged		
Bottom Log Interval	3361 m		
Top Log Interval	3359 m		
Casing Fluid Type	Production Fluids		
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	6.000 in		
From	2796.5 m		
To	3480 m		
Casing/Tubing Size	4.500 in		
Weight	12.6 lbm/ft		
Grade	L-80		
From	2767 m		
To	3414.38 m		
Maximum Recorded Temperatures	107 degC		
Logger On Bottom	12-Feb-2006	6:00	
Unit Number	3827	AUSL	
Recorded By	R. Gerhardt, O. Tahmisiic		
Witnessed By	Mark Wilson, Bruce Woodward		

PVT DATA				Run 1	Run 2
Oil Density					
Water Salinity					
Gas Gravity					
Bo					
Bw					
1/Bg					
Bubble Point Pressure					
Bubble Point Temperature					
Solution GOR					
Maximum Deviation	64 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					

Date Created: 16-APR-2006 0:26:48

## Logging Cable

Type:	2-32ZT
Serial Number:	4202
Length:	6722.97 M
Conveyance Method:	Wireline
Rig Type:	Offshore Fixed

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	TUNA A17A CORRELATION LOGS
Reference Log Run Number:	
Reference Log Date:	no date available
Subsequent Trip Down Log Correction:	1.50 M

1. All Schlumberger Depth Control Procedures followed.
2. Log correlated to correlation log provided by Esso.
3. GR response used for correlation.
4. IDW used as Primary Depth Control.
5. Z-Chart used as Secondary Depth Control.
- 6.

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OTHER SERVICES2  
OS1:  
OS2:  
OS3:  
OS4:  
OS5:

REMARKS: RUN NUMBER 2

Correlated to "TUNA A17A Correlation Logs" (no date) provided by Esso.

THP: 0 psi THT: 62 degF; BHP: 2503 psi BHT: 215 degF

Pressure and temperature data gathered from MWPT sensors.

Guns used: 2m of 2" HSD [2006 P] HMY: 6 snf 60 deg











Sensors used: 2 in or 2 1/8 in [2000 PSI, 110V], 6 psi, 60 deg					
API-19B Data: Penetration = 20.4 in., Entrance hole = 0.26 in.					
Shooting depth from 3359m to 3361m MDKB					
CCL to Top Shot = 6.5m					
CCL Stop Depth = 3352.5m MDKB					
TD was not tagged.					
Day crew: K. Kerr and J. Light					
Night crew: S. Kiss and L. Wright					
Performed by Schlumberger.					

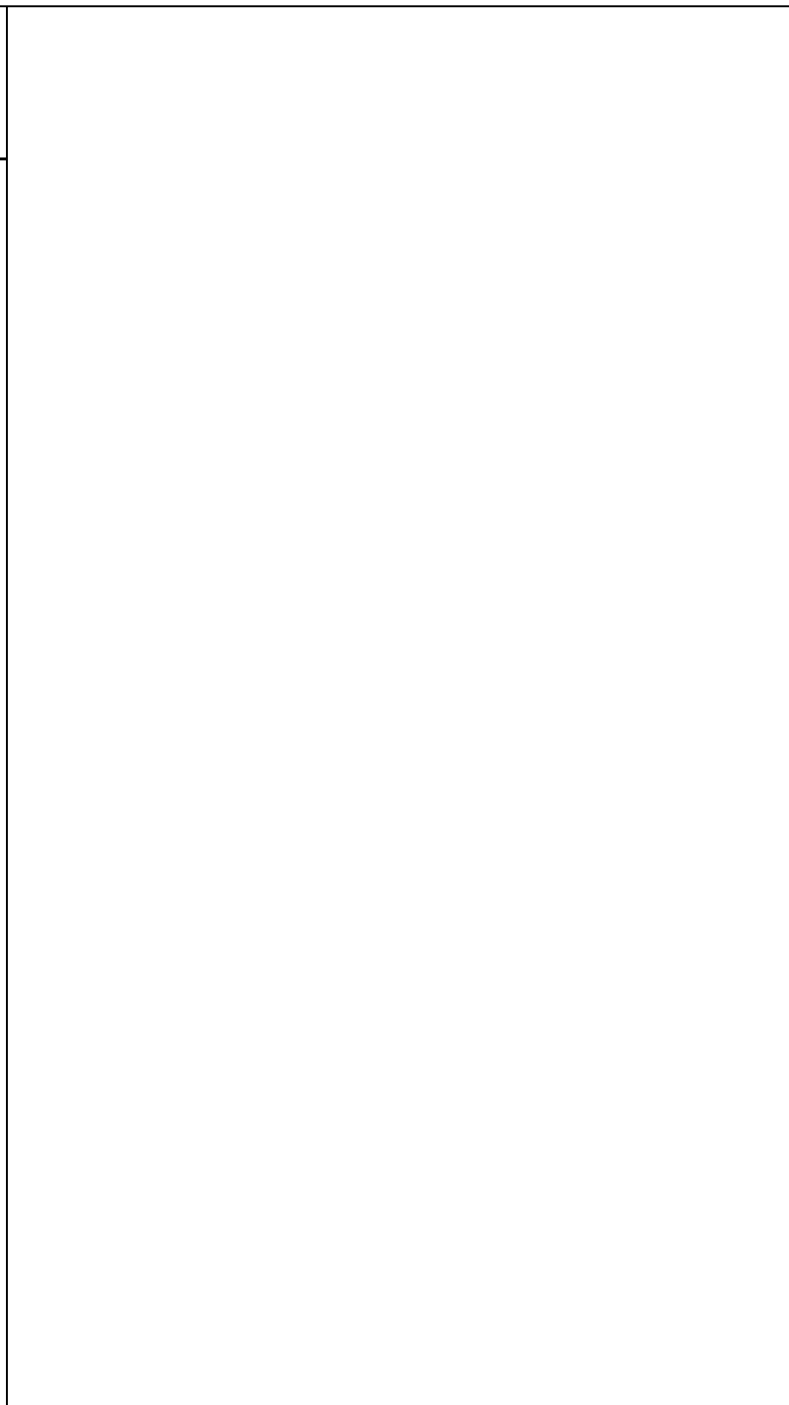
RUN 1			RUN 2		
SERVICE ORDER #: AUSL06185762			SERVICE ORDER #:		
PROGRAM VERSION: 14C0-302			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

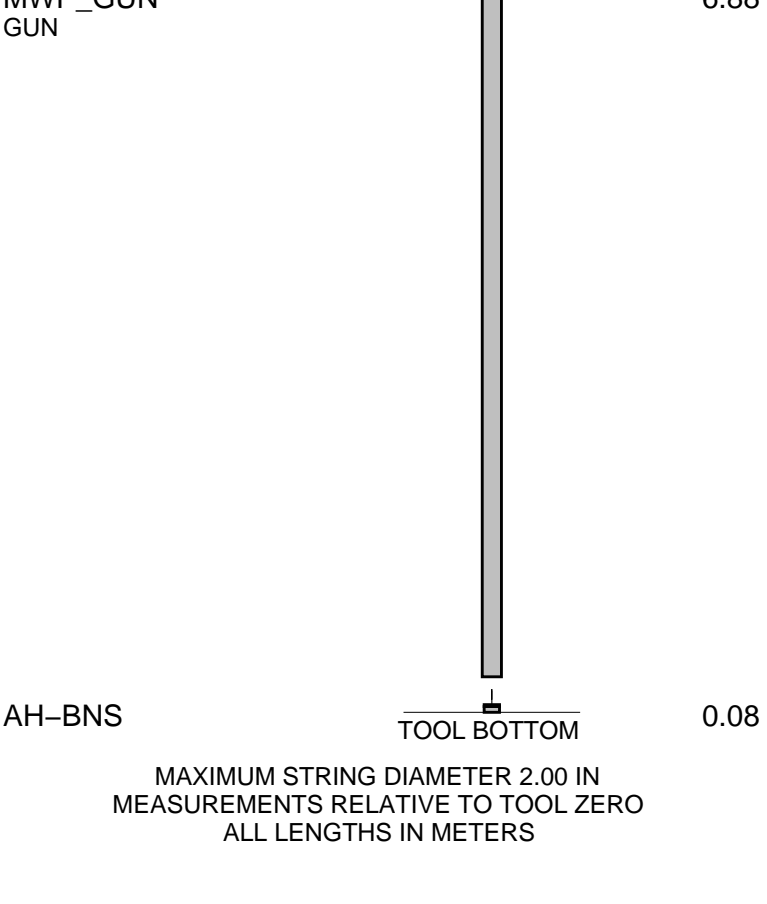
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

**SURFACE EQUIPMENT**  
MWPM-AA 3000

**DOWNHOLE EQUIPMENT**

MH-SWHS MH-SWHS		14.74
AH-38		14.26
EQF-43 EQF-43		14.11
AH-124 VEA		12.28
MWGT-AA MWPG-AA MWGH-AA 68		11.93
	MWPG GR — 2.41	
MWPT-CA MWPH-AA 93 MWPS-AA		10.95
	CCL SMWP Pres SMWP Temp Tension — TOOL ZERO	
AH-122		8.13
AH-WPSA AH-WPSA 4001		7.88
AH-ESIC AH-ESIC 39042033		7.33
MWP-GLIN		6.88





Client: Esso Australia Pty. Ltd.  
Well: TNA A17A  
Field: Tuna  
State: Victoria  
Country: Australia

Rig Name: Prod 2 / Crane  
Reference Datum: Mean Sea Level  
Elevation: 32.1 m

2/12/2006

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID				MD	OD	ID
Tubing, 13.7lbs/ft, 80	3.500	2.992	9.7		12.5	7.000	6.276	Casing String, 26 lbs/ft, L-80
					13.4	9.625	8.835	Casing String, 43.5 lbs/ft, N-80
					14.0	13.375	12.615	Casing String, 54.5 lbs/ft, K-55
SSSV	3.500	2.750	450.9		715.5	13.375	12.615	Casing Shoe
					729.0	9.625	8.835	Casing Shoe
Gas Lift Mandrel	3.500	2.920	1408.8					
Gas Lift Mandrel	3.500	2.920	1919.5					
Landing Nipple	3.500	2.992	2051.6					
					2246.5			Perforation Zone
					2252.5			Perforation Zone Bottom

[illegible]