

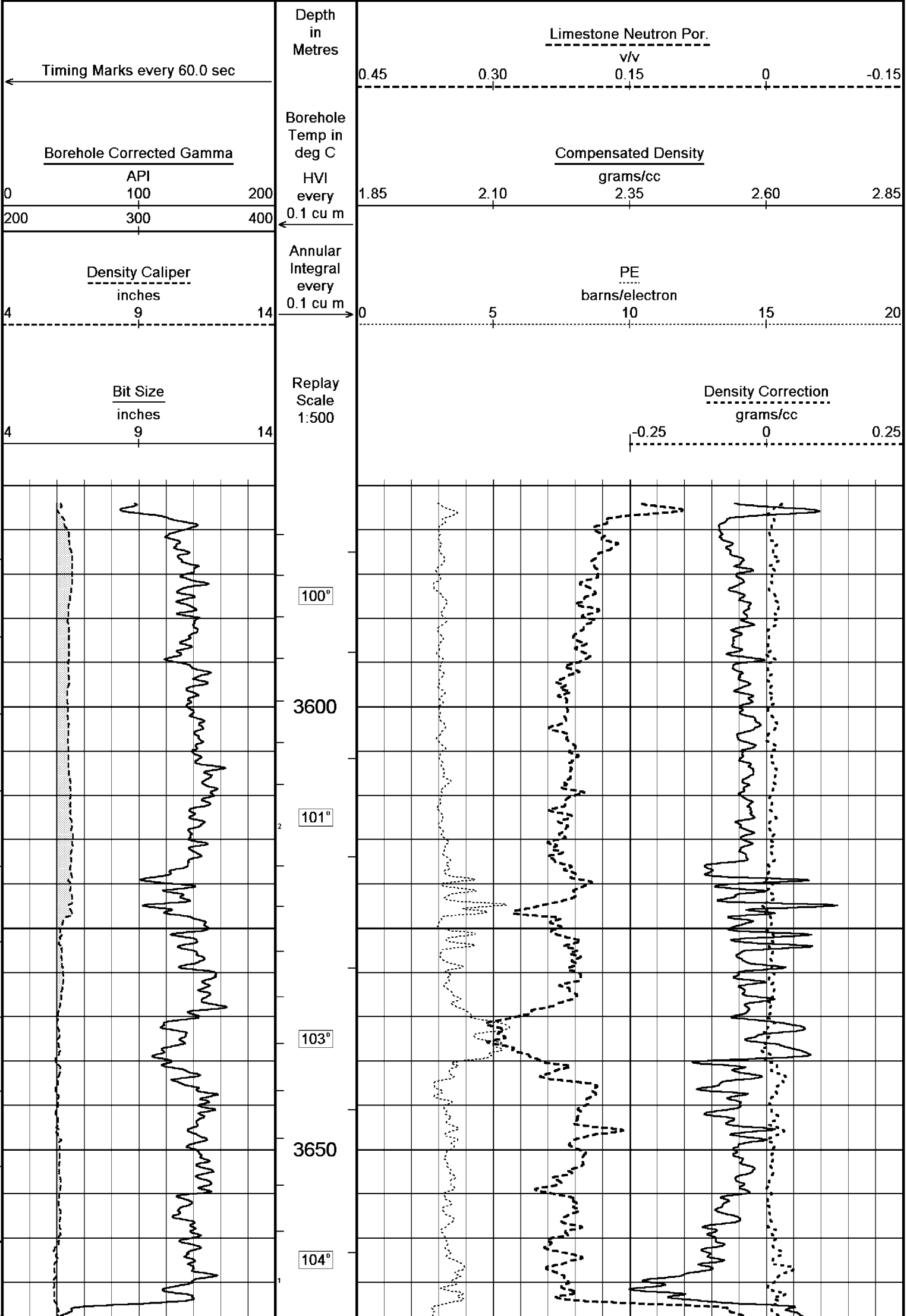
Reeves

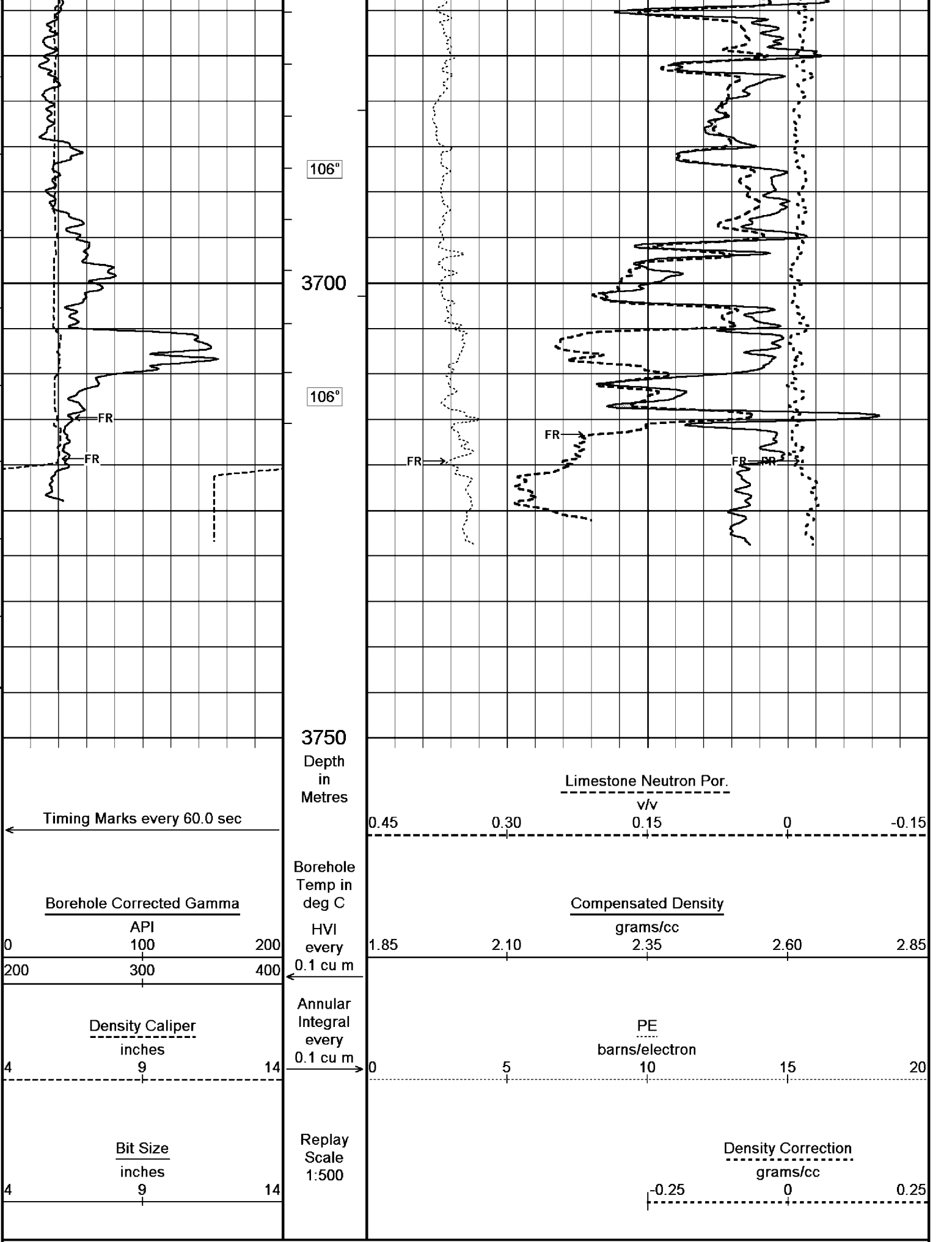
PHOTO DENSITY COMPENSATED NEUTRON 1:500 MD

COMPANY	ESSO AUSTRALIA PTY. LTD.		
WELL	FLOUNDER A-18a		
FIELD	GIPPSLAND BASIN		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	5758711.43 m N, 625855.81 m E 38°18'39.155" S, 148°26'22.358" E		
LSD	SEC	TWP	RGE
API Number	Other Services DUAL LATEROLOG MICRO LATEROLOG COMPENSATED SONIC		
Permit Number			
Permanent Datum MSL	, Elevation 0 metres		
Log Measured From RT@33.85 metres above Permanent Datum			
Drilling Measured From RT			
Date	30-Jun-2003		Elevations: KB DF GL 33.85 -93.00 metres metres metres
Run Number	2		
Depth Driller	3737.00		metres
Depth Logger	3736.85		metres
First Reading	3736.00		metres
Last Reading	3577.00		metres
Casing Driller	3329.50		metres
Casing Logger	3329.00		metres
Bit Size	6.00		inches
Hole Fluid Type	KCl/PHPA/GLY		
Density / Viscosity	9.90 lb/USg		75.00 sec/qt
PH / Fluid Loss	9.00		2.60 ml/30Min
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.118 @ 25.0		ohm-m
Rmf @ Measured Temp	0.103 @ 25.0		ohm-m
Rmc @ Measured Temp	0.28 @ 25.0		ohm-m
Source Rmf / Rmc	PRESS		PRESS
Rm @ BHT	0.044 @106.5		ohm-m
Time Since Circulation	15 HRS		
Max Recorded Temp	106.50		deg C
Equipment Name	COMPACT		
Equipment / Base	1		SALE
Recorded By	M. Barnes, P. Hodges		G. McManus, S. Mooney
Witnessed By	E. Espiritu		
Circ. Stopped	2300 29Jun03		

BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.500		1225.00		3337.40
6.000		3329.50		3736.00
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K-55	10.750	0.00	1225.00	0.00
R3	7.000	0.00	3329.50	26.00
REMARKS				
DRILLING RIG: NABORS (ISDL) 453.				
REEVES COMPACT WIRELINE TOOLS RUN ON SCHLUMBERGER UNIT.				
HTHP: 9.2 ml/30 min @ 121°C				
MAX DEVIATION: 57.5° @ 1307 m MD.				
MAX DOG LEG SEVERITY: 5.57°/30 m MD.				
REEVES CREW: M.BARNES, G.MCMANUS, S.MOONEY, P.HODGES.				

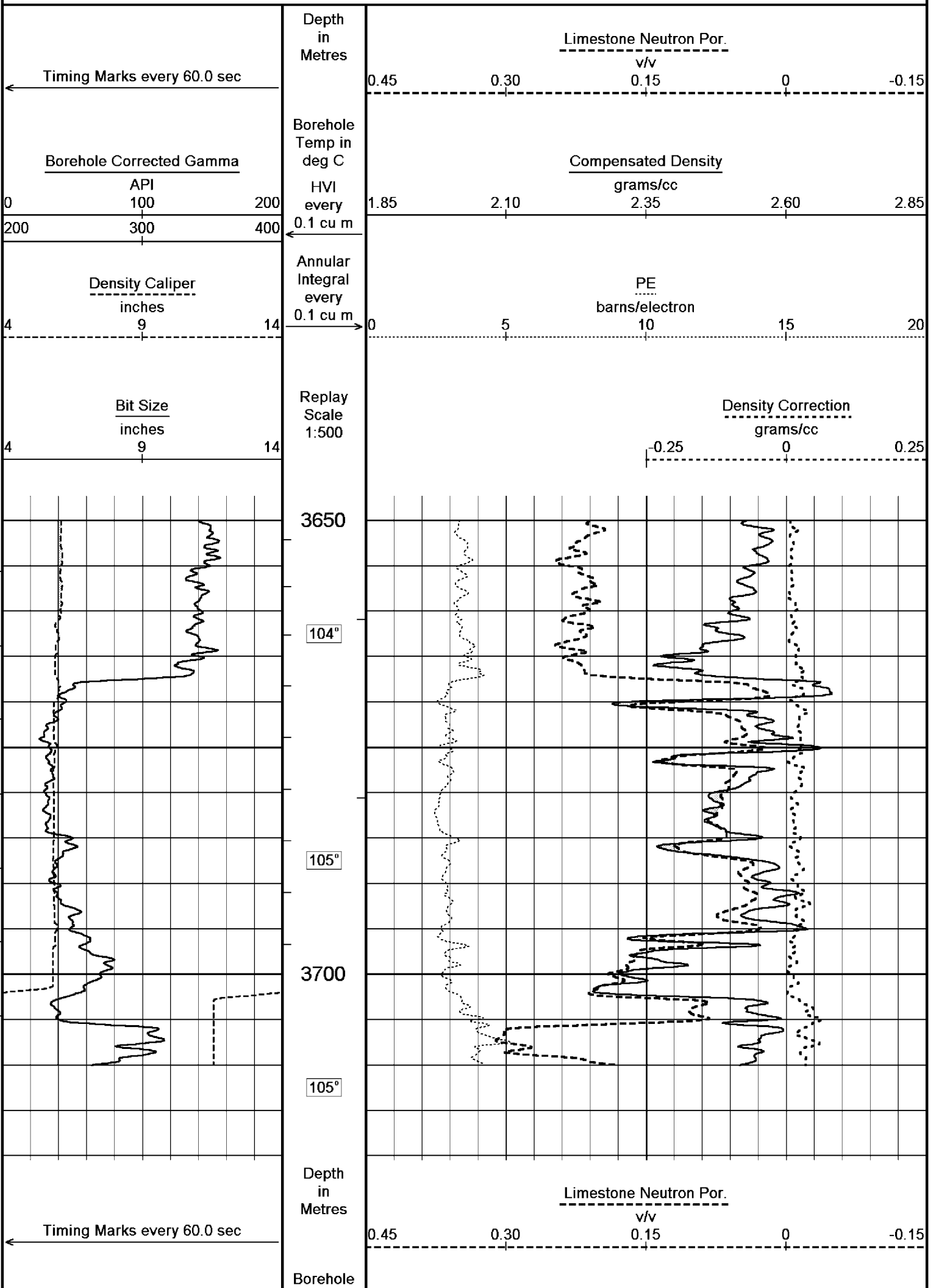
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.

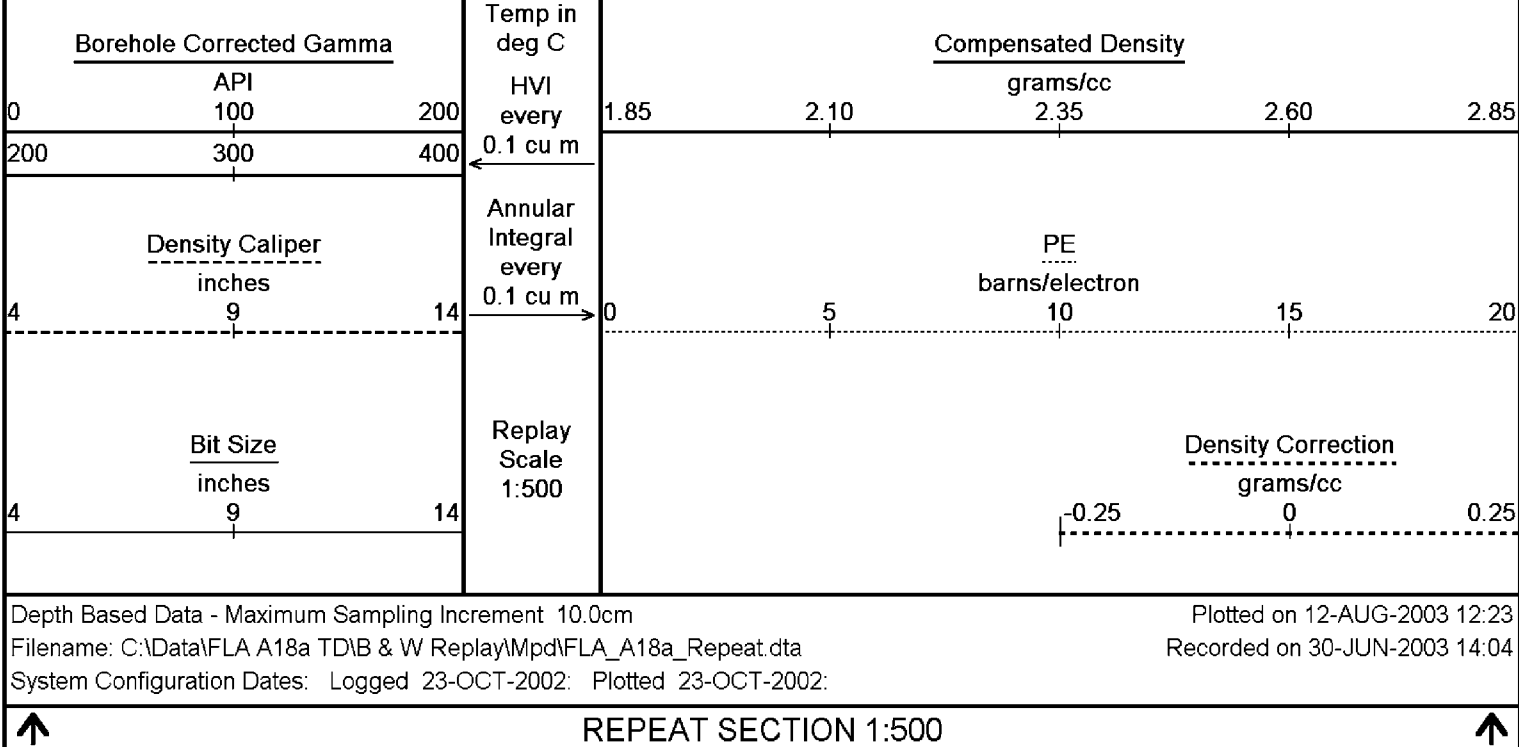




Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\FLA A18a TD\B & W Replay\MPd\FLA_A18a_Main_Log.dta
System Configuration Dates: Logged 23-OCT-2002: Plotted 23-OCT-2002:

Plotted on 12-AUG-2003 12:23
Recorded on 30-JUN-2003 14:31





BEFORE SURVEY CALIBRATION C:\Data\FLA A18a TD\B & W Replay\Mpd\FLA_A18a_Main_Log.dta

General Constants All 000		
General Parameters		
Mud Resistivity	0.05	ohm-metres
Mud Resistivity Temperature	100.00	degrees C
Water Level	0.00	metres
Density/Neutron Processing	Wet Hole	
Hole/Annular Volume and Differential Caliper Parameters		
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	Density Caliper	
Annular Volume Diameter	5.00	inches
Caliper for Differential Caliper	None	
Rwa Parameters		
Porosity used	Base Density Porosity	
Resistivity used	Deep Laterolog	
RWA Constant A	0.61	
RWA Constant M	2.15	

High Resolution Temperature Calibration MCG 044			Field Calibration on 28-MAR-2003,17:35
	Measured	Calibrated(Deg C)	
Lower	0.00	0.00	
Upper	100.00	100.00	

High Resolution Temperature Constants MCG 044		
Pre-filter Length	11	

Gamma Calibration MCG 044			Field Calibration on 26-JUN-2003 23:43
	Measured	Calibrated (API)	
Background	13	8	
Calibrator (Gross)	1453	917	
Calibrator (Net)	1439	909	

Gamma Constants MCG 044		
Gamma Calibrator Number	060	
Mud Density	1.19	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Neutron Calibration MDN 068			Base Calibration on 30-MAY-2003 09:57
Base Calibration			Field Check on 27-JUN-2003 01:03

		Measured	Calibrated (cps)	
	Near	Far	Near	Far
	2738	85	3714	110
Ratio		32.377		33.764
Field Calibrator at Base			Calibrated (cps)	
			1911	2814
Ratio				0.679
Field Check			Calibrated (cps)	
			1878	2717
Ratio				0.691

Neutron Constants MDN 068				
Neutron Source Id		724		
Neutron Jig Number		52		
Epithermal Neutron		No		
Caliper Source for Processing	Density Caliper			
Stand-off		0.00	inches	
Mud Density		1.19	gm/cc	
Limestone Sigma		7.10	cu	
Sandstone Sigma		4.26	cu	
Dolomite Sigma		4.70	cu	
Formation Pressure Source		None		
Formation Pressure		N/A	kpsi	
Temperature Source	MCG External Temperature			
Temperature		20.00	degrees C	
Mud Salinity		56.00	kppm	
Formation Fluid Salinity Source		None		
Formation Fluid Salinity		N/A	kppm	
Barite Mud Correction		Not Applied		

Caliper Calibration MPD 067			Base Calibration on 30-JUN-2003,13:57 Field Calibration on 30-JUN-2003,13:58	
Base Calibration				
Reading No	Measured	Calibrator Size (in)		
1	14801	4.61		
2	24384	6.59		
3	34288	8.58		
4	44305	10.54		
5	55264	12.61		
6	N/A	N/A		
Field Calibration				
	Measured Caliper (in)	Actual Caliper (in)		
	5.99	5.99		

Photo Density Calibration MPD 067			Base Calibration on 6-MAY-2003 15:04 Field Check on 27-JUN-2003 01:09	
Density Calibration				
Base Calibration		Measured	Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	57806	19943	53282	19349
Reference 2	27010	2601	25298	2555
Field Check at Base				
	953.2	1156.3		
Field Check				
	944.2	1149.1		
PE Calibration				
Base Calibration		Measured	Calibrated	
	WS	WH	Ratio	Ratio
Background	180	826		
Reference 1	18413	57614	0.321	0.318
Reference 2	7218	26872	0.270	0.273
Field Check at Base				
	179.8	825.6		
Field Check				
	177.9	819.9		

Density Constants MPD 067				
Density Source Id		226		

Density Source Id	220	
Nylon Calibrator Number	517	
Aluminium/Fe Calibrator Number	517	
Density Shoe Profile	4 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.19	gm/cc
Mud Density Z/A Correction	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc

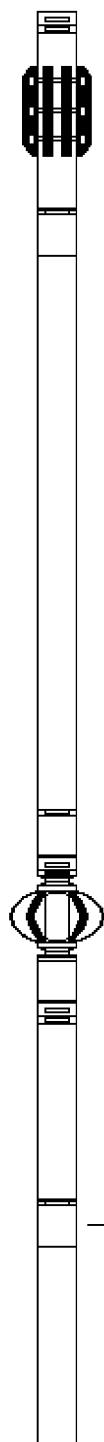
Matrix Density (gm/cc)	Depth (m)
2.71	
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

DOWNHOLE EQUIPMENT
All measurements relative to tool zero.

Compact Stiff Bridle Electrode Sub.
MBE 9 Length: 3.76 m Weight: 94.80 lb

Compact Inline Standoff B
MIS 77 Length: 0.65 m Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.
MBE 5 Length: 3.76 m Weight: 94.80 lb



27.65 m SPDL - Spontaneous Potential

Compact Inline Standoff B
MIS 31 Length: 0.65 m Weight: 15.43 lb

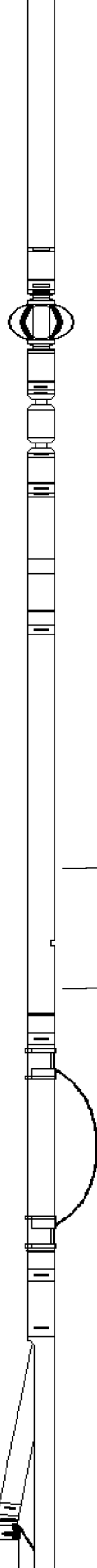
Compact Knuckle Joint
SKJ 46 Length: 0.66 m Weight: 24.25 lb

Compact Swivel Head Adaptor
SHA 27 Length: 0.83 m Weight: 26.46 lb

Compact Gamma
MCG 44 Length: 2.65 m Weight: 63.93 lb

Compact Neutron
MDN 68 Length: 1.53 m Weight: 50.71 lb

Compact Density/Caliper
MPD 67 Length: 2.92 m Weight: 90.39 lb



21.16 m GGCE - Borehole Corrected Gamma

20.28 m CGXT - MCG External Temperature

19.30 m NPRL - Limestone Neutron Por.

16.61 m CLDC - Density Caliper

16.61 m HVOL - Hole Volume

16.61 m AVOL - Annular Volume

16.61 m DGCE - Density Gradient

16.40 m DCOR - Density Correction
16.40 m DEN - Compensated Density
16.38 m PDPE - PE

Compact Knuckle Joint
SKJ 45 Length: 0.66 m Weight: 24.25 lb

Compact Inline Standoff B
MIS 53 Length: 0.65 m Weight: 15.43 lb

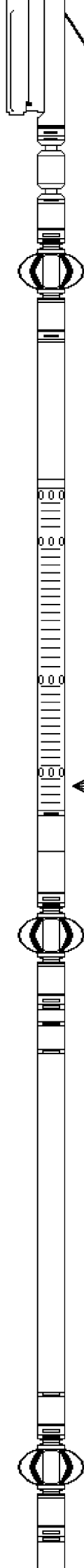
Compact Sonic
MSS 45 Length: 3.82 m Weight: 72.75 lb

Compact Inline Standoff B
MIS 75 Length: 0.65 m Weight: 15.43 lb

Compact Upper Guard Sub.
MUG 17 Length: 2.74 m Weight: 68.34 lb

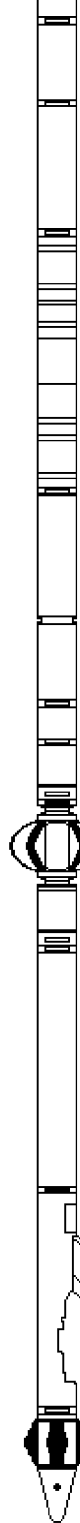
Compact Inline Standoff B
MIS 49 Length: 0.65 m Weight: 15.43 lb

Compact Lateral Electrode Sub.



11.19 m TR11 - 4' Transit Time
11.19 m TR12 - 6' Transit Time
11.19 m DT35 - 3-5' Compensated Sonic
11.19 m TR22 - 5' Transit Time
11.19 m TR21 - 3' Transit Time

Compact Laterolog Electrode Sub.
MLE 15 Length: 3.76 m Weight: 92.59 lb



4.58 m DSL - Shallow Laterolog
4.58 m DDL - Deep Laterolog

Compact Inline Standoff B
MIS 76 Length: 0.65 m Weight: 15.43 lb

Compact Micro-Resistivity
MMR 15 Length: 2.62 m Weight: 81.57 lb

0.00 m MRRS - MicroRes Resistance (S)
0.00 m MATC - MMR Caliper
Tool Zero (0.85m from bottom)

Pressure Bung + Hole Finder
HFS 3 Length: 0.28 m Weight: 6.61 lb

Total Length: 33.90 m Total Weight: 884.05 lb

COMPANY	ESSO AUSTRALIA PTY. LTD.
WELL	FLOUNDER A-18a
FIELD	GIPPSLAND BASIN
PROVINCE/COUNTY	BASS STRAIT
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing	metres	First Reading	3736.00	metres
Elevation Drill Floor	33.85 metres	Depth Driller	3737.00	metres
Elevation Ground Level	-93.00 metres	Depth Logger	3736.85	metres

PHOTO DENSITY
COMPENSATED NEUTRON
1:500 MD

Reeves

