

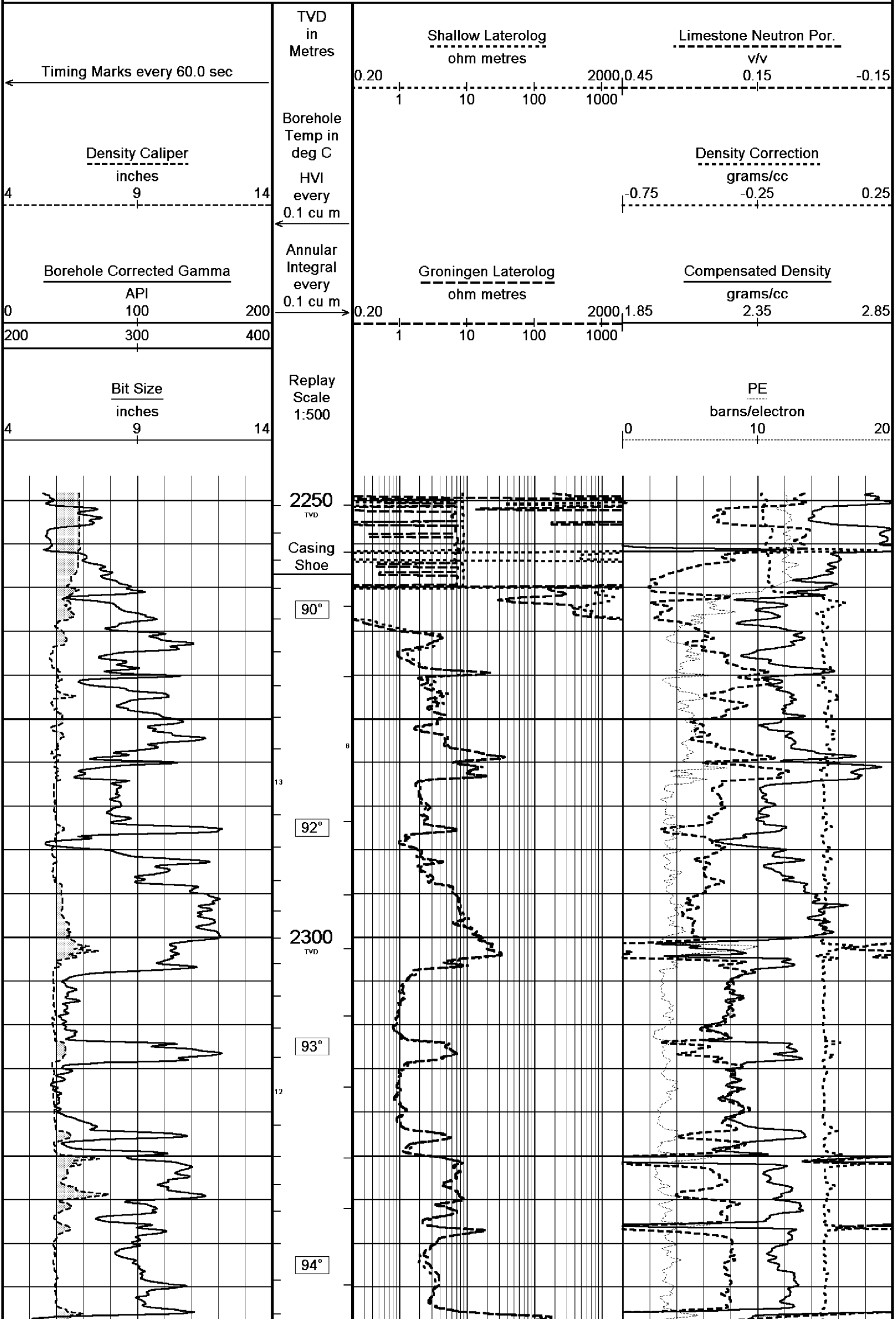
Reeves

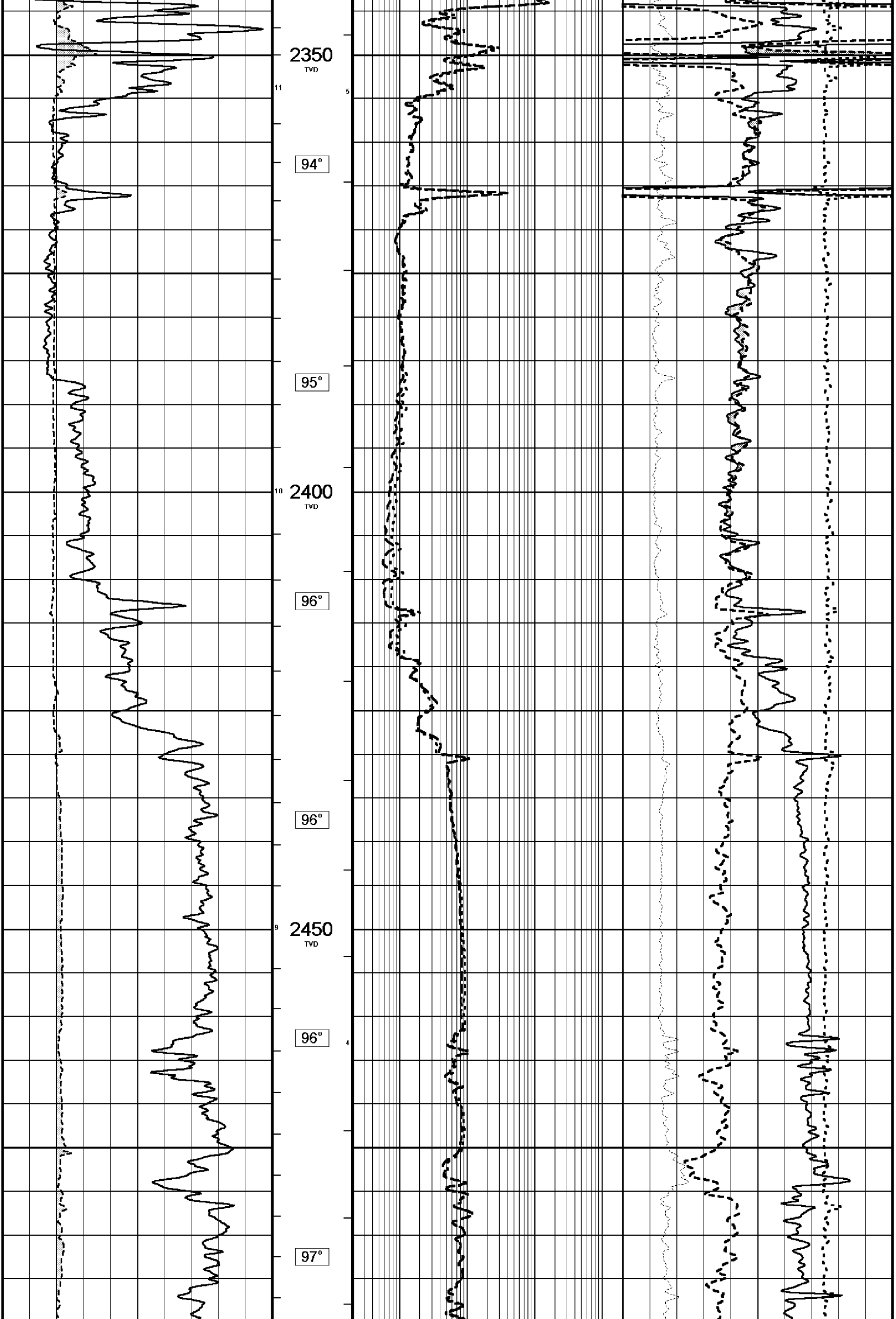
DUAL LATEROLOG - GR DENSITY - NEUTRON 1:500 TVD

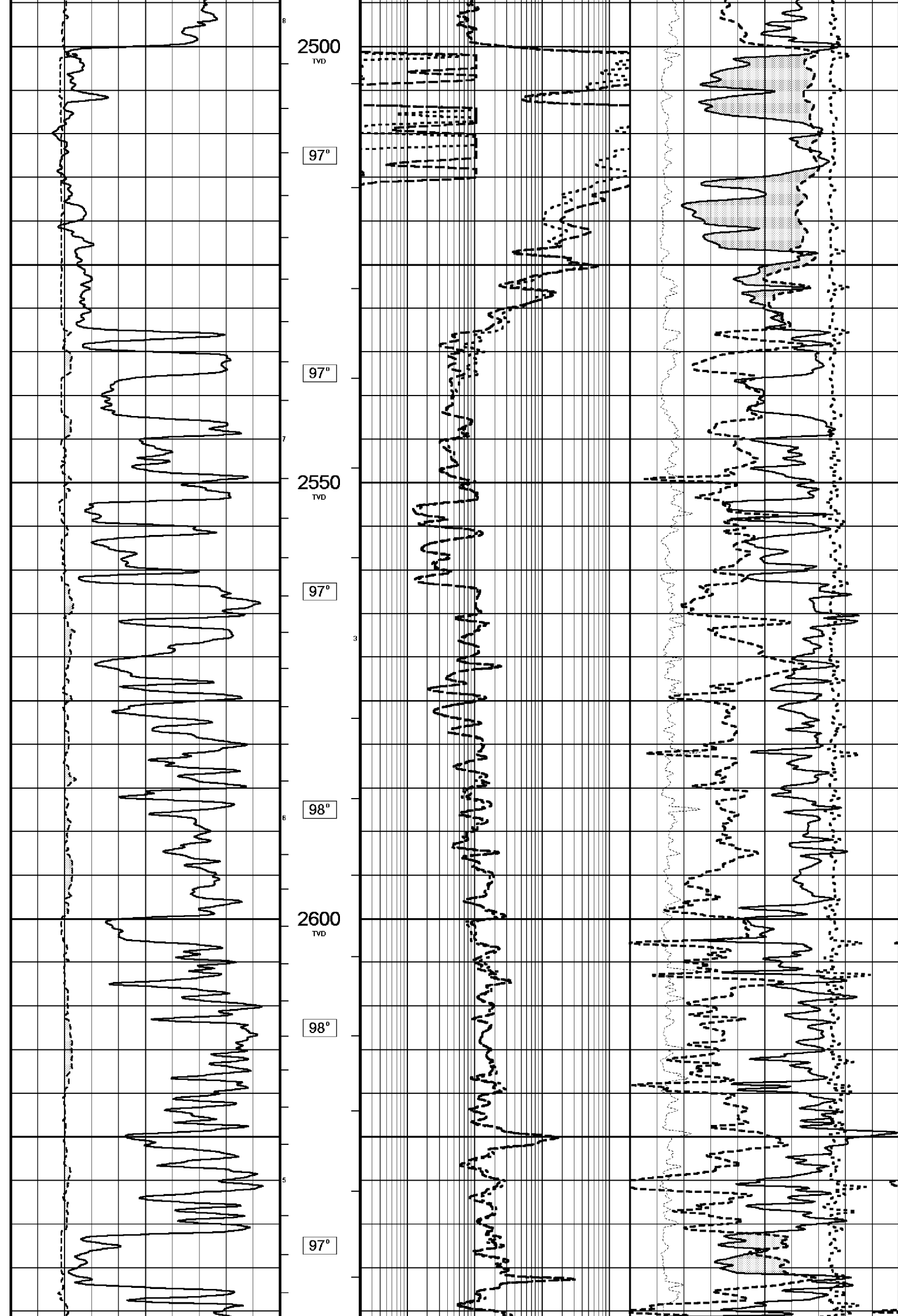
COMPANY	ESSO AUSTRALIA PTY. LTD.		
WELL	FLOUNDER A-17a		
FIELD	GIPPSLAND BASIN		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	5758711.37 m N, 625853.66 m E 38°18'39.158" S, 148°26'22.270" E		
LSD	SEC	TWP	RGE
API Number	Other Services		
Permit Number	COMPENSATED SONIC		
Permanent Datum MSL	, Elevation 0		metres
Log Measured From RT@33.85 metres	above Permanent Datum		
Drilling Measured From RT			
Date	17-Aug-2003		
Run Number	2		
Depth Driller	2878.00		metres
Depth Logger	2865.40		metres
First Reading	2859.80		metres
Last Reading	2258.40		metres
Casing Driller	2267.00		metres
Casing Logger	2258.40		metres
Bit Size	6.00		inches
Hole Fluid Type	KCl/PHPA/GLY		
Density / Viscosity	9.20 lb/USg		70.00 sec/qt
PH / Fluid Loss	9.30		3.10 ml/30Min
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.101 @ 25.0		ohm-m
Rmf @ Measured Temp	0.083 @ 25.0		ohm-m
Rmc @ Measured Temp	0.146 @ 25.0		ohm-m
Source Rmf / Rmc	PRESS		PRESS
Rm @ BHT	0.036 @ 111.0		ohm-m
Time Since Circulation	30 HRS		
Max Recorded Temp	111.00		deg C
Equipment Name	COMPACT		
Equipment / Base	1		SALE
Recorded By	G. McManus, R. Tench		S. Mooney, B. Arnold
Witnessed By	E.Espiritu		
Circ. Stopped	23:15 15-AUG		

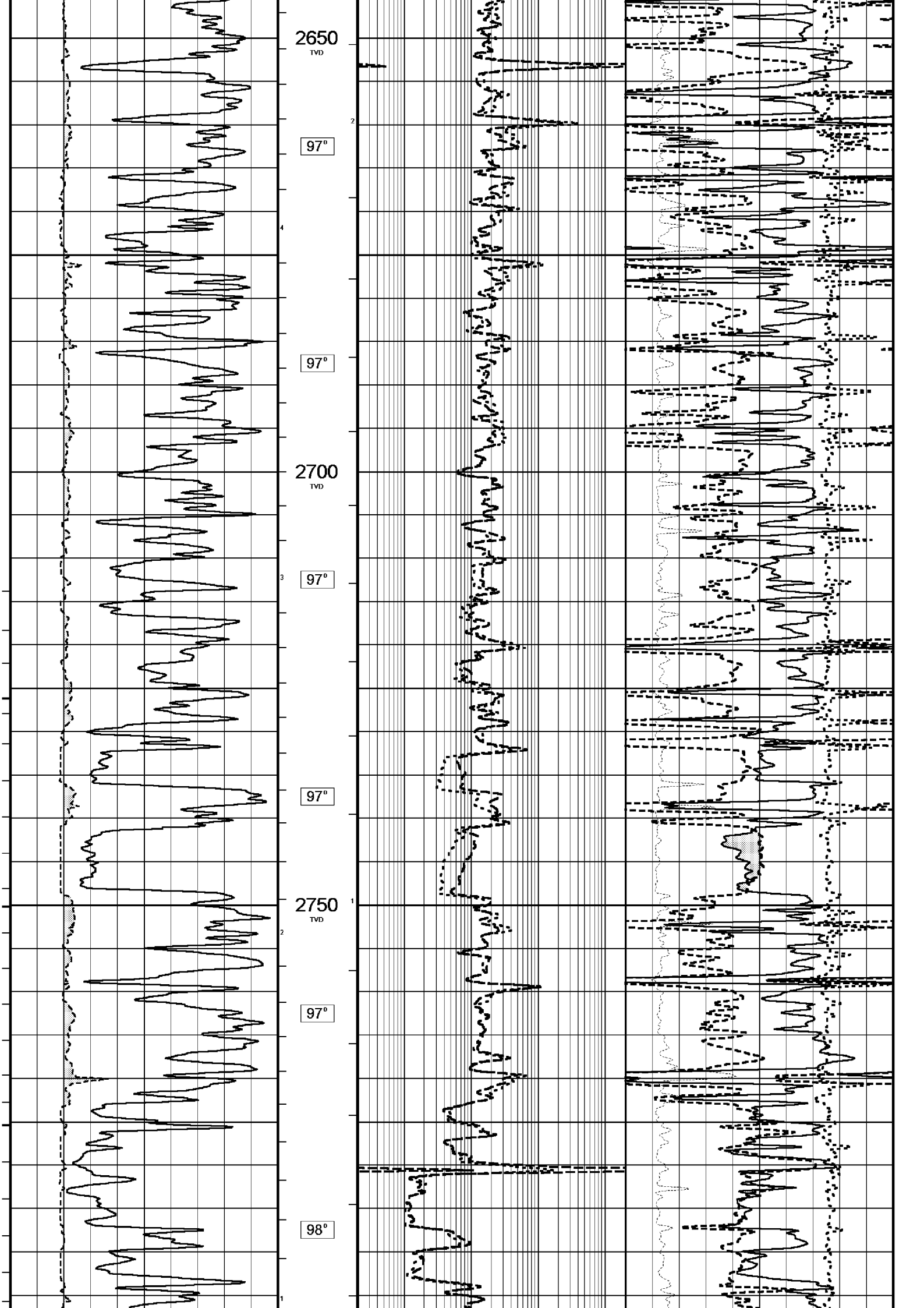
BOREHOLE RECORD				
Bit Size inches		Depth From metres	Depth To metres	
8.500		1500.00	2800.00	
6.000		2800.00	3660.00	
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K55 BTC	10.750	0.00	1256.00	40.50
	7.625	1256.00	2896.00	27.00
REMARKS				
DRILLING RIG: NABORS (ISDL) 453.				
REEVES COMPACT TOOLS RAN WITH 3½" WELL SHUTTLE.				
MAX DEVIATION: 43.3° @ 3283 m.				
GRONINGEN LATEROLOG PRESENTED WITH ORIGINAL LOGGING CONSTANT.				
ENHANCED MODEL PROCESSING USED FOR INDUCTION DATA (NOT PRESENTED).				
REEVES CREW: R.TENCH, G.MCMANUS, S.MOONEY AND BILL ARNOLD				

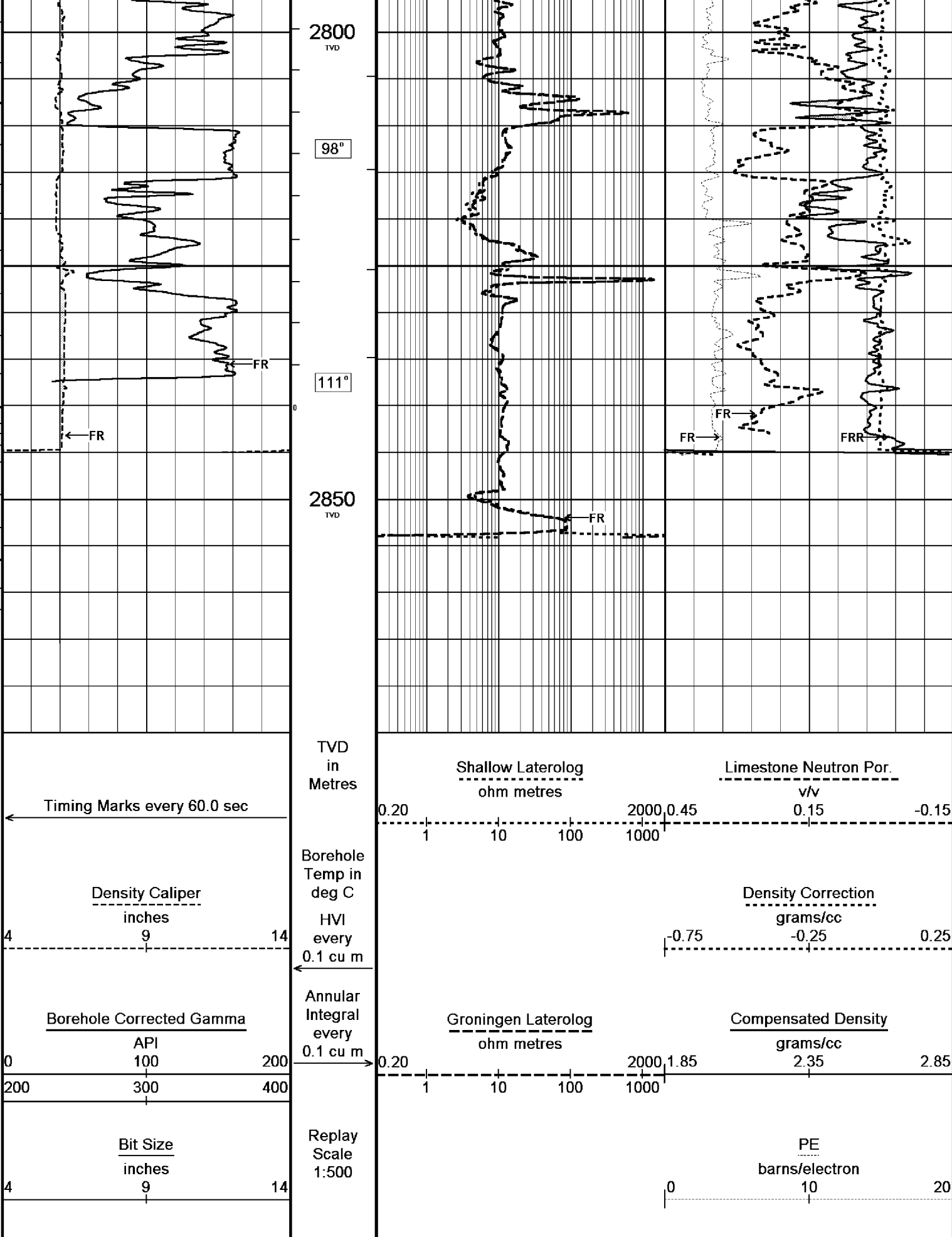
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, 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

Plotted on 23-OCT-2003 11:02

Filename: C:\Fla_a17a\B & W Finals\Fla_A17a_Main_log_TC.dta

Recorded on 17-AUG-2003 18:09

System Configuration Dates: Logged 23-OCT-2002: Processed 23-OCT-2002: Plotted 23-OCT-2002:

MAIN LOG 1:500

BEFORE SURVEY CALIBRATION

C:\Fla_a17a\B & W Finals\Fla_A17a_Main_log_TC.dta

General Constants All 000				
General Parameters				
Mud Resistivity	0.10	ohm-metres		
Mud Resistivity Temperature	25.00	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	4.50	inches		
Caliper for Differential Caliper	Density Caliper			
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 043				
	Measured	Calibrated(Deg C)	Field Calibration on 9-AUG-2002,07:03	
Lower	20.50	20.00		
Upper	51.00	50.00		
High Resolution Temperature Constants MCG 043				
Pre-filter Length	11			
Gamma Calibration MCG 043				
	Measured	Calibrated (API)	Field Calibration on 15-AUG-2003 19:05	
Background	16	11		
Calibrator (Gross)	1419	920		
Calibrator (Net)	1403	909		
Gamma Constants MCG 043				
Gamma Calibrator Number	60			
Mud Density	1.15	gm/cc		
Caliper Source for Processing	Density Caliper			
Tool Position	Eccentred			
Concentration of KCl	0.00	kppm		
Neutron Calibration MDN 042				
			Base Calibration on 2-AUG-2003 10:04	
			Field Check on 15-AUG-2003 20:39	
Base Calibration				
	Measured	Calibrated (cps)		
	Near Far	Near Far		
	3104 98	3714 110		
Ratio	31.769	33.764		
Field Calibrator at Base				
		Calibrated (cps)		
		1679 2371		
Ratio		0.708		
Field Check				
		Calibrated (cps)		
		1692 2398		
Ratio		0.706		
Neutron Constants MDN 042				
Neutron Source Id	NSN-E-739			
Neutron Jig Number	NE-C-052			
Epithermal Neutron	No			
Caliper Source for Processing	Density Caliper			
Stand-off	0.00	inches		
Mud Density	1.15	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	42.30	kppm		
Formation Fluid Salinity Source	None			

Formation Fluid Salinity Source	N/A	kppm
Barite Mud Correction	Not Applied	
Caliper Calibration MPD 066		Base Calibration on 22-OCT-2003,14:18 Field Calibration on 22-OCT-2003,14:18
Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	12128	4.58
2	20304	6.56
3	28752	8.56
4	37248	10.52
5	46672	12.58
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	6.00	6.00

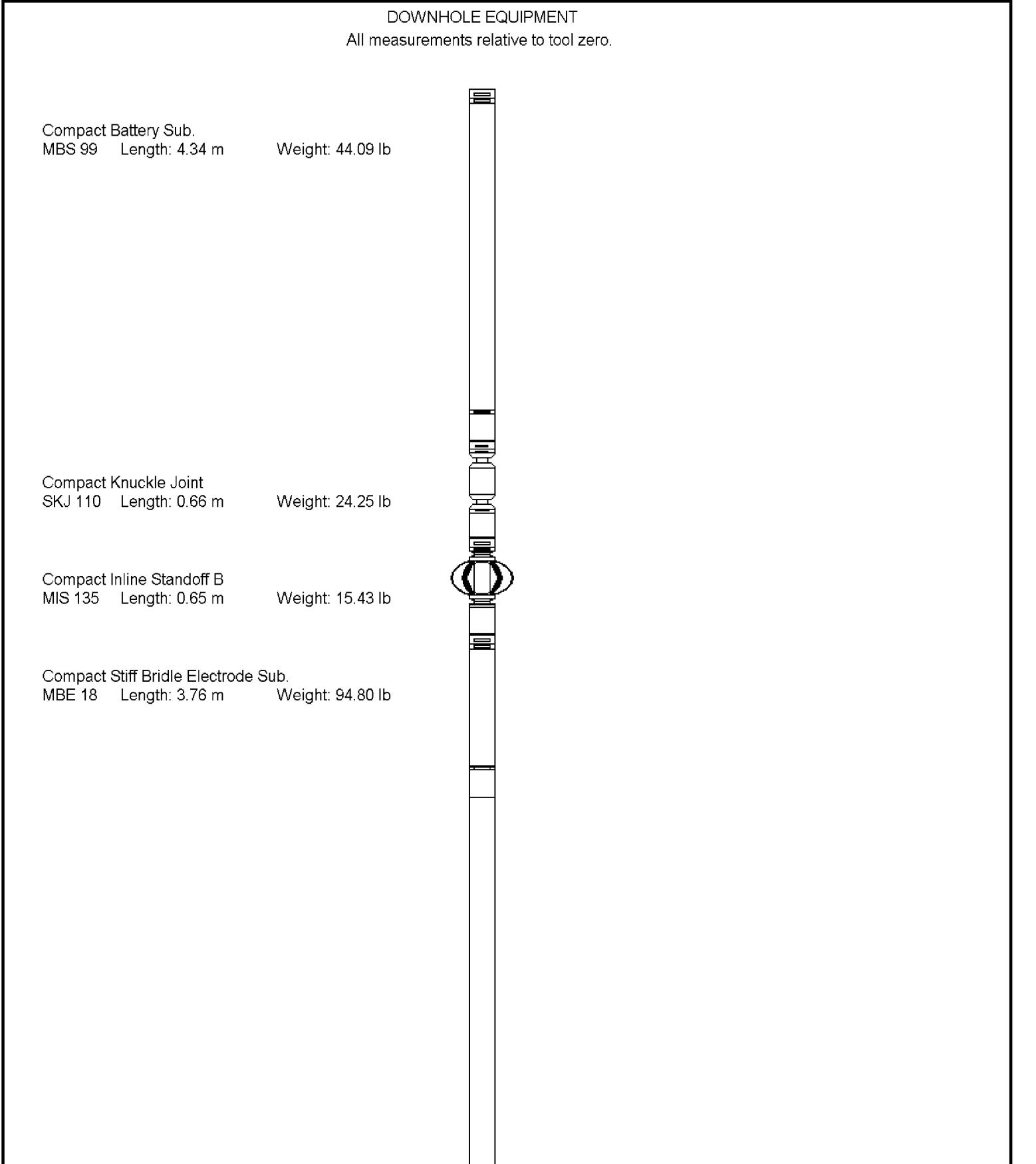
Photo Density Calibration MPD 066					Base Calibration on 2-AUG-2003 14:56	
					Field Check on 15-AUG-2003 20:32	
Density Calibration						
Base Calibration		Measured		Calibrated (sdu)		
		Near	Far	Near	Far	
	Reference 1	53064	18614	53282	19349	
	Reference 2	24973	2526	25298	2555	
Field Check at Base						
		980.9	1146.2			
Field Check						
		969.2	1145.5			
PE Calibration						
Base Calibration		Measured		Calibrated		
	WS	WH	Ratio	Ratio		
	Background	188	856			
	Reference 1	16447	52883	0.313	0.318	
	Reference 2	6593	24840	0.267	0.273	
Field Check at Base						
		187.7	855.8			
Field Check						
		188.0	845.9			

Density Constants MPD 066		
Density Source Id	242	
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	1.15	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	

Laterolog Calibration MLE 005			Base Calibration on 6-MAY-2003 14:51 Field Check on 15-AUG-2003,18:58	
Base Calibration				
		Measured	Calibrated (ohm-m)	
Channel	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Shallow	0.0	981.5	0.0	1327.3
Deep	0.0	980.6	0.0	852.7
Groningen	0.0	981.8	0.0	852.7

Groningen	0.0	331.3	0.0	332.7
Channel	Base Check (ohm-m)		Field Check (ohm-m)	
Shallow	48.6		48.6	
Deep	31.3		31.3	
Groningen	249.9		249.9	

Laterolog Constants MLE 005			
Squasher Start	40000	ohm-m	
Shallow Laterolog K Factor	1.3273		
Deep Laterolog K Factor	0.8527		
Groningem Laterolog K Factor	0.8527		
Interference Rejection	50 Hz		
SP Connection	SP Bridle Electrode		
Groningen Connection	Groningen Electrode		



Compact Inline Standoff B
MIS 136 Length: 0.65 m Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.
MBE 17 Length: 3.76 m Weight: 94.80 lb

Compact Inline Standoff B
MIS 132 Length: 0.65 m Weight: 15.43 lb

Compact Knuckle Joint
SKJ 102 Length: 0.66 m Weight: 24.25 lb

Compact Gamma
MCG 43 Length: 2.65 m Weight: 63.93 lb

Compact Memory Sub.
MMS 24 Length: 0.95 m Weight: 22.05 lb

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



32.22 m GRGC - Gamma Ray

31.33 m CGXT - MCG External Temperature

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

Compact Inline Bowspring A
MIS 24 Length: 1.74 m Weight: 33.07 lb

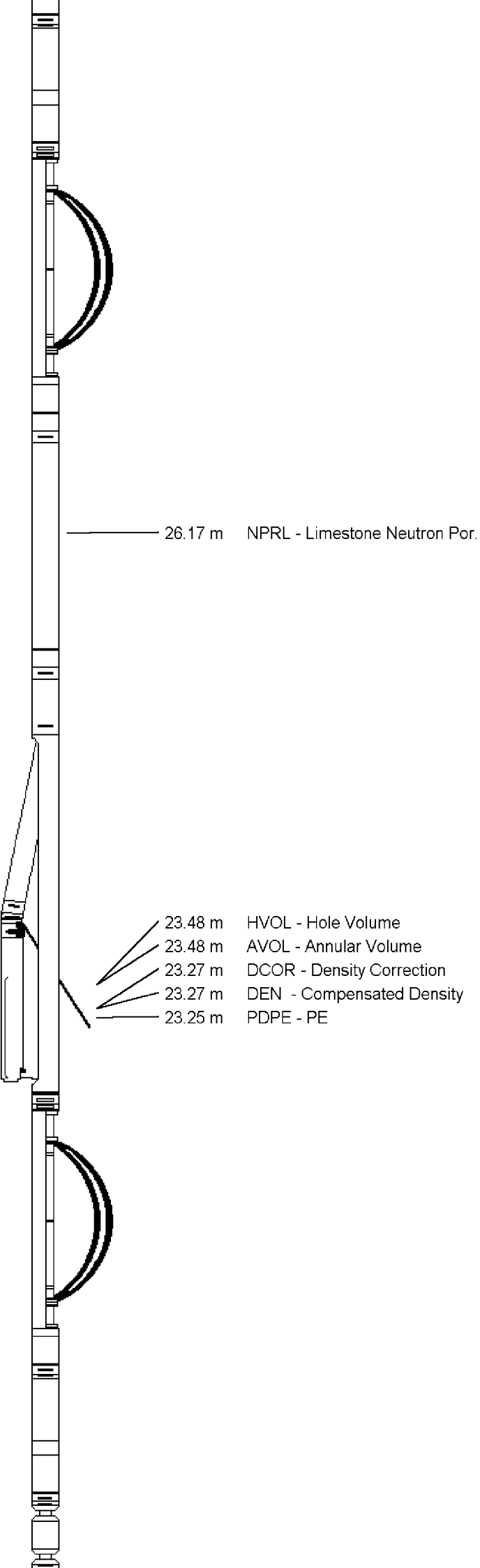
Compact Neutron
MDN 42 Length: 1.53 m Weight: 50.71 lb

Compact Density/Caliper
MPD 66 Length: 2.92 m Weight: 90.39 lb

Compact Inline Bowspring A
MIS 25 Length: 1.74 m Weight: 33.07 lb

Compact Swivel Head Adaptor
SHA 28 Length: 0.83 m Weight: 26.46 lb

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



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

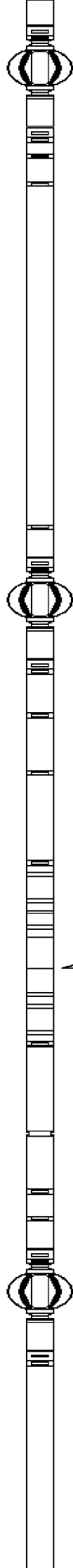
Compact Upper Guard Sub.
MUG 16 Length: 2.74 m Weight: 68.34 lb

Compact Inline Standoff B
MIS 73 Length: 0.65 m Weight: 15.43 lb

Compact Laterolog Electrode Sub.
MLE 5 Length: 3.76 m Weight: 92.59 lb

Compact Inline Standoff B
MIS 30 Length: 0.65 m Weight: 15.43 lb

Compact Lower Guard Sub.
MLG 9 Length: 2.44 m Weight: 55.12 lb



13.35 m DSLL - Shallow Laterolog
13.35 m DDLL - Deep Laterolog

Compact Inline Standoff B
MIS 130 Length: 0.65 m Weight: 15.43 lb

Compact Sonic
MSS 47 Length: 3.82 m Weight: 72.75 lb

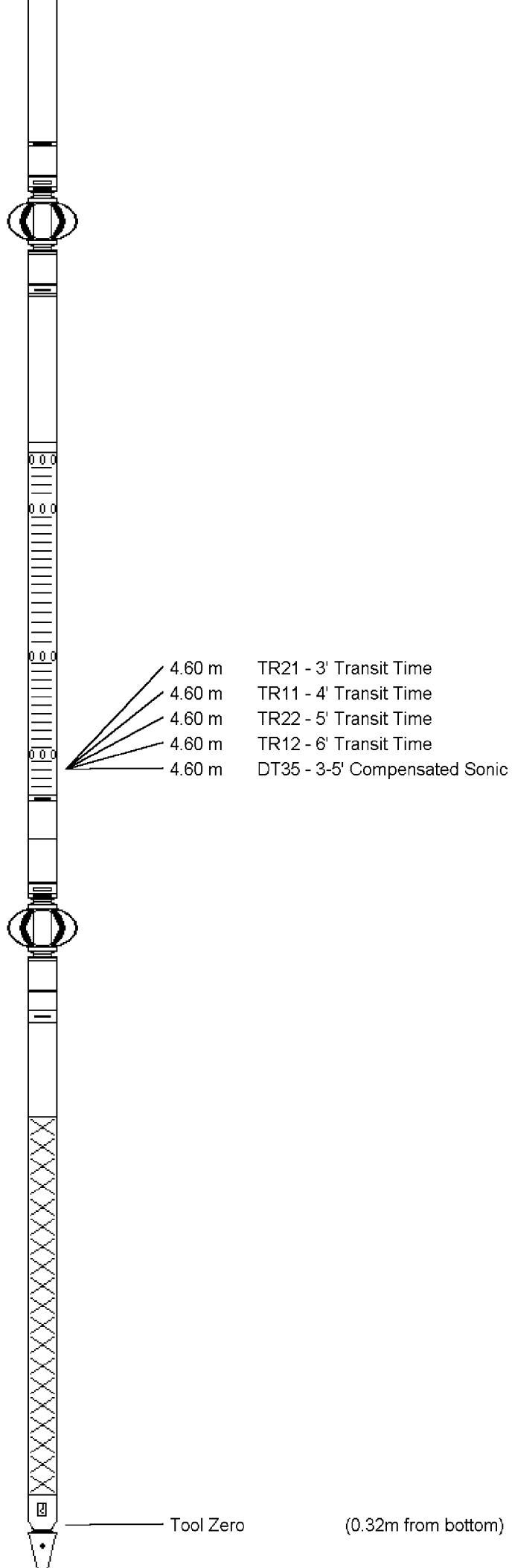
Compact Inline Standoff B
MIS 128 Length: 0.65 m Weight: 15.43 lb


Compact Induction
MAI 39 Length: 3.29 m Weight: 48.50 lb

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

Total Length: 49.23 m

Total Weight: 1144.20 lb



COMPANY	ESSO AUSTRALIA PTY. LTD.				
WELL	FLOUNDER A-17a				
FIELD	GIPPSLAND BASIN				
PROVINCE/COUNTY	BASS STRAIT				
COUNTRY/STATE	AUSTRALIA				
Elevation Kelly Bushing		metres	First Reading	2859.80	metres
Elevation Drill Floor	33.85	metres	Depth Driller	2878.00	metres
Elevation Ground Level	-93.00	metres	Depth Logger	2865.40	metres
		DUAL LATEROLOG - GR DENSITY - NEUTRON 1:500 TVD			