

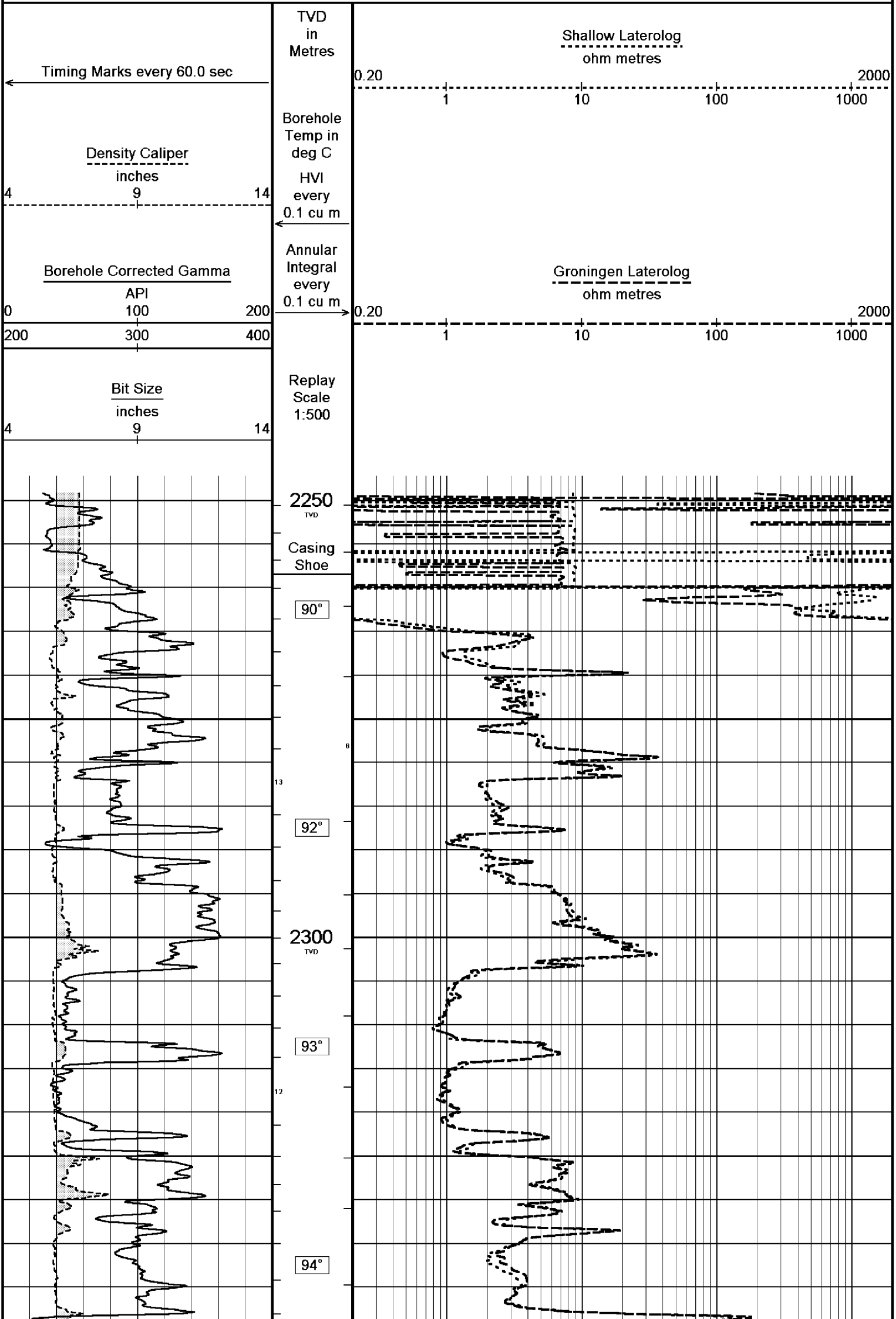
Reeves

DUAL LATEROLOG - GR 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 PHOTO DENSITY		
Permit Number	COMPENSATED NEUTRON 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	2859.40 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		
Witnessed By	E.Espiritu S. Mooney, B. Arnold		
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.



2350
TVD

94°

95°

2400
TVD

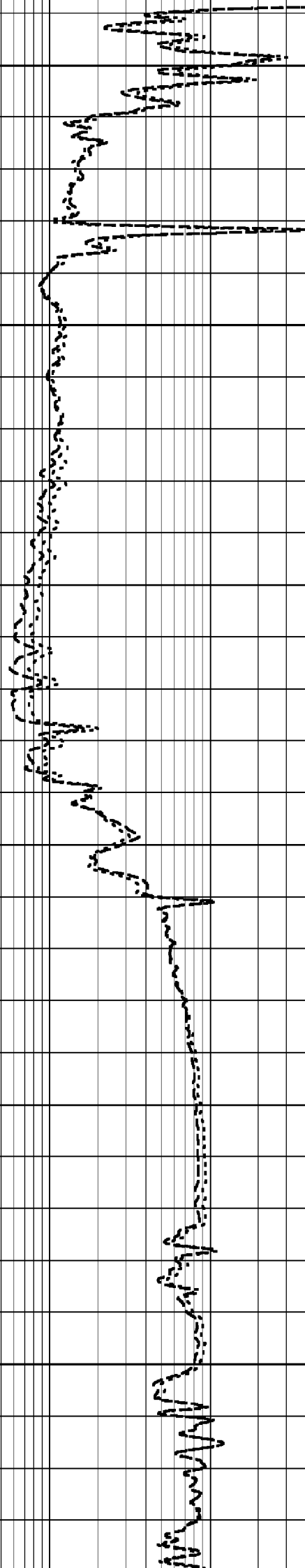
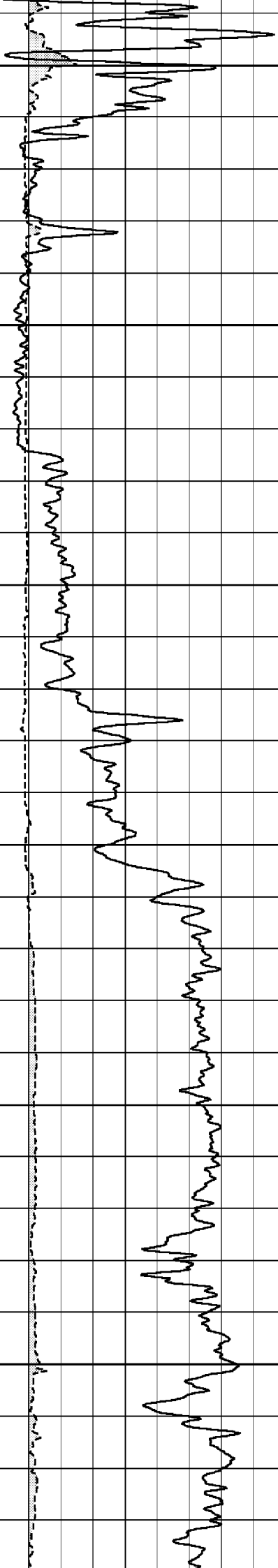
96°

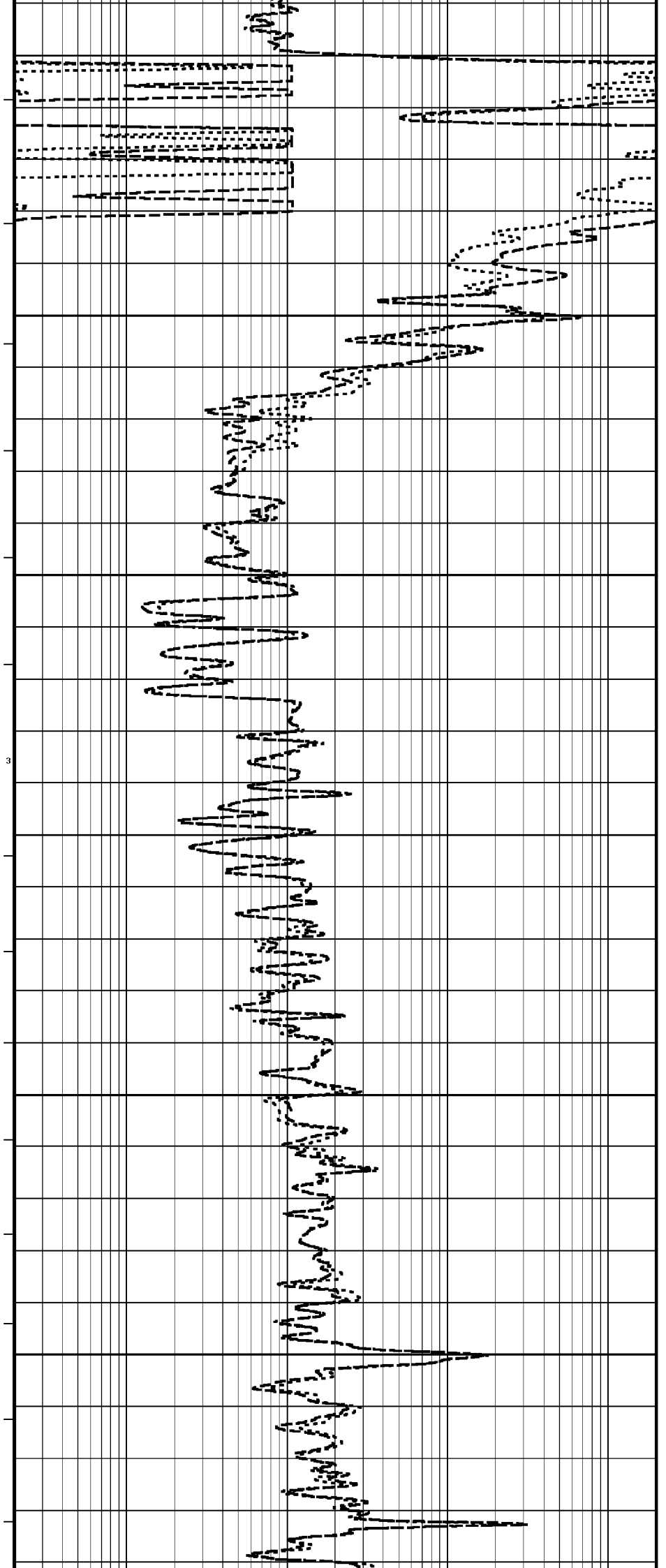
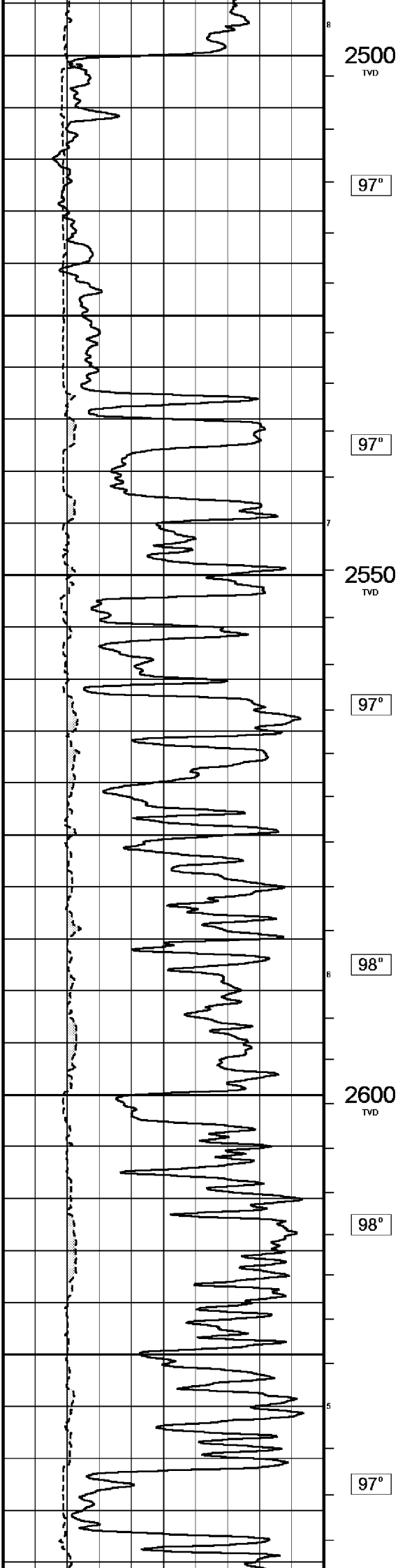
96°

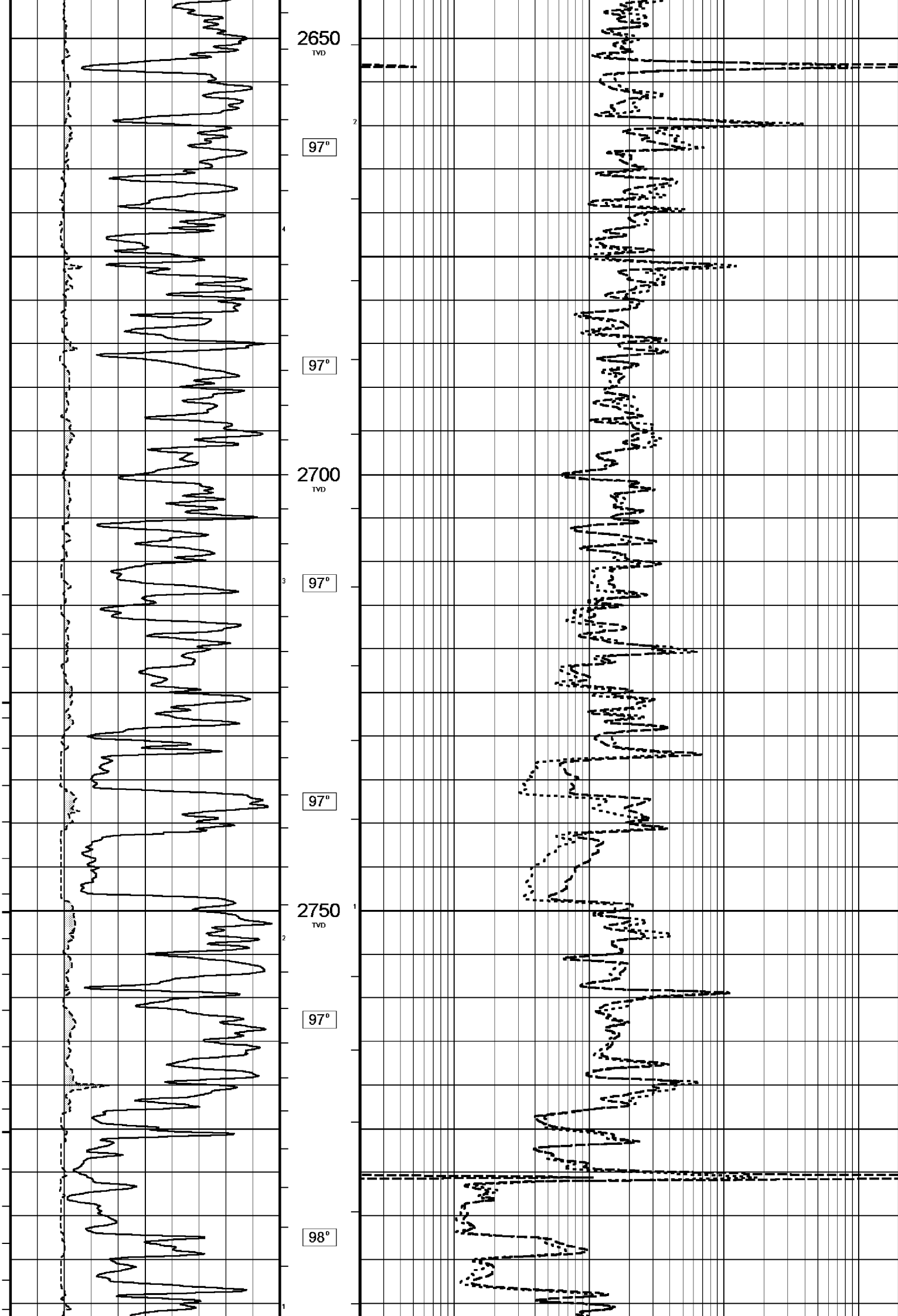
2450
TVD

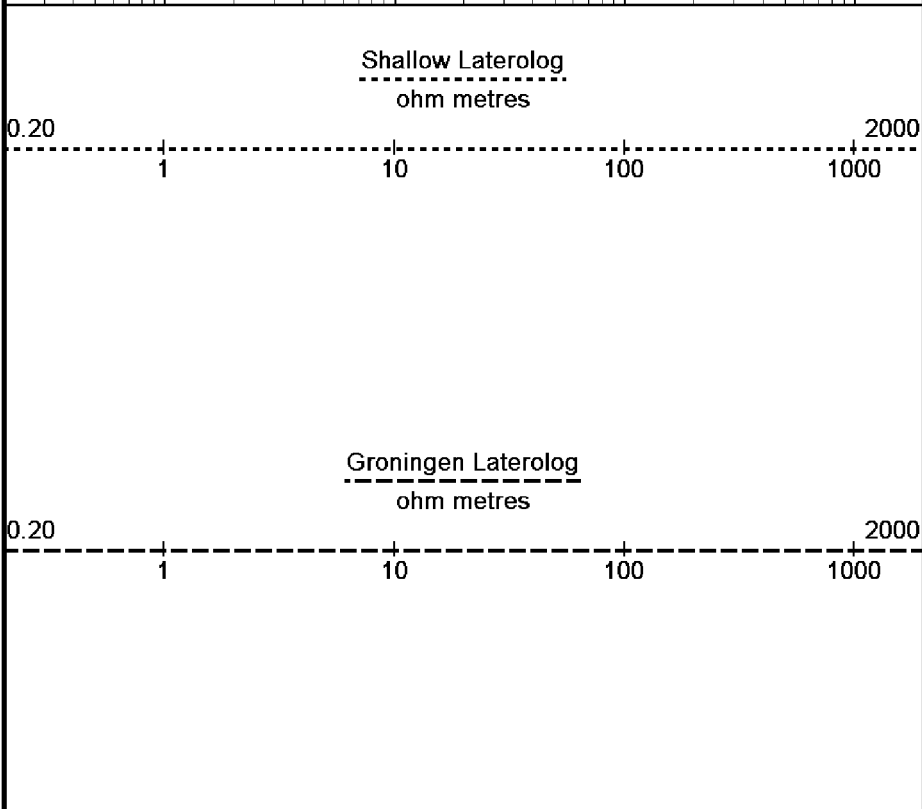
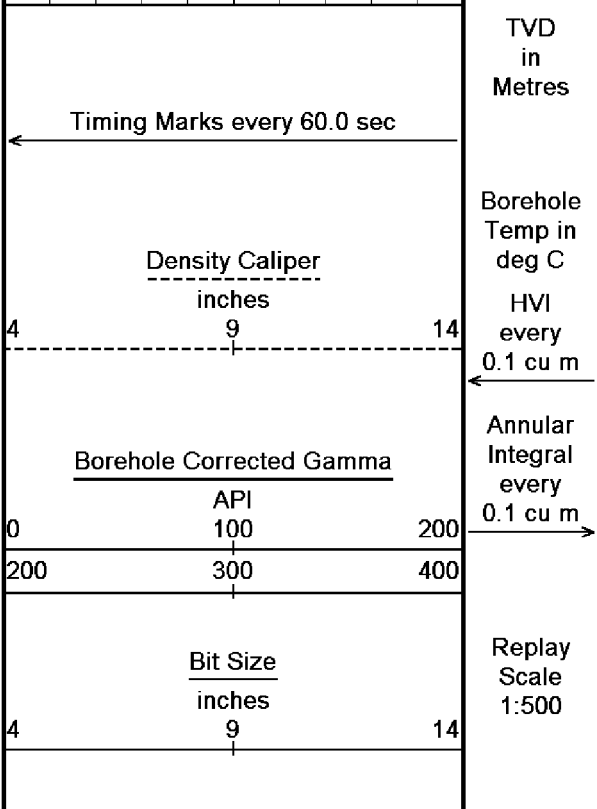
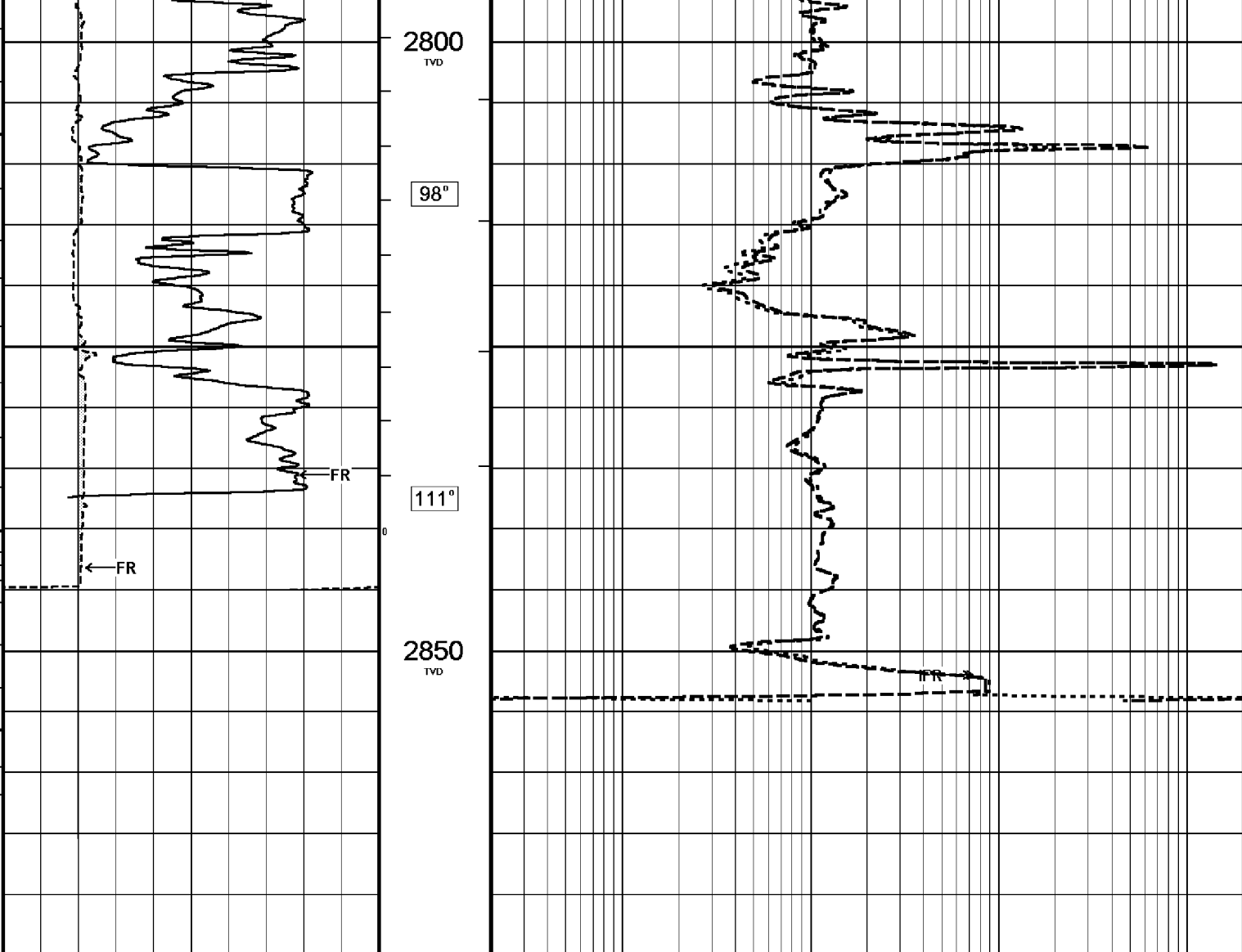
96°

97°









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		
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		
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		
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
Groningen Laterolog K Factor	0.8527
Interference Rejection	50 Hz
SP Connection	SP Bridle Electrode
Groningen Connection	Groningen Electrode

DOWNHOLE EQUIPMENT
All measurements relative to tool zero.

Compact Battery Sub.
MBS 99 Length: 4.34 m Weight: 44.09 lb

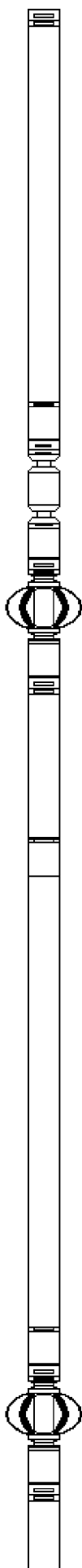
Compact Knuckle Joint
SKJ 110 Length: 0.66 m Weight: 24.25 lb

Compact Inline Standoff B
MIS 135 Length: 0.65 m Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.
MBE 18 Length: 3.76 m Weight: 94.80 lb

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

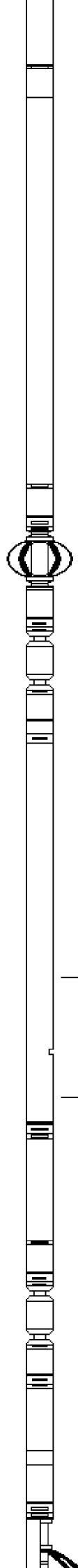
Compact Gamma
MCG 43 Length: 2.65 m Weight: 63.93 lb

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

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



32.22 m GRGC - Gamma Ray

31.33 m CGXT - MCG External Temperature

MIS 24 Length: 1.74 m Weight: 68.67 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

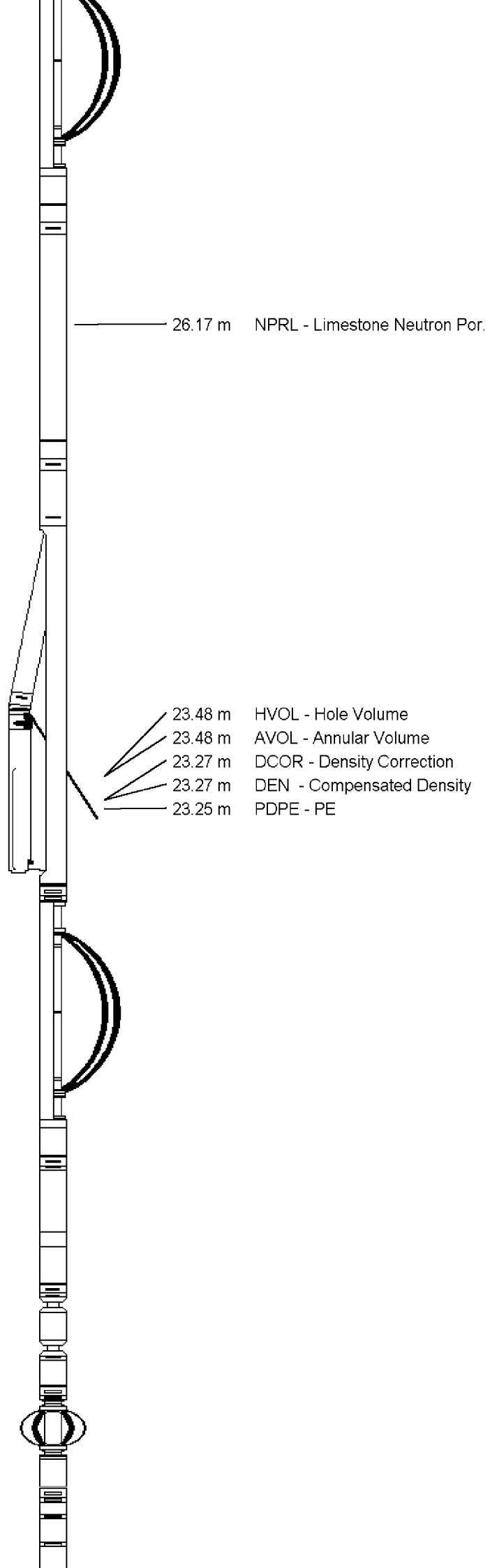
Compact Inline Bowspring A
MIS 25 Length: 1.74 m Weight: 33.07 lb

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



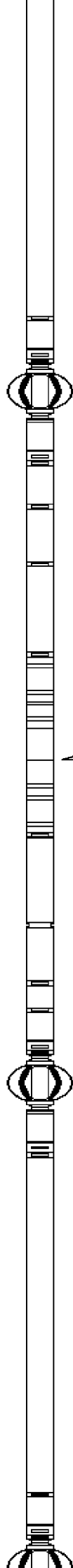
Compact Inline Standoff B
MIS 73 Length: 0.65 m Weight: 15.43 lb

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

Compact Inline Standoff B



13.35 m DSL - Shallow Laterolog
13.35 m DDL - 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

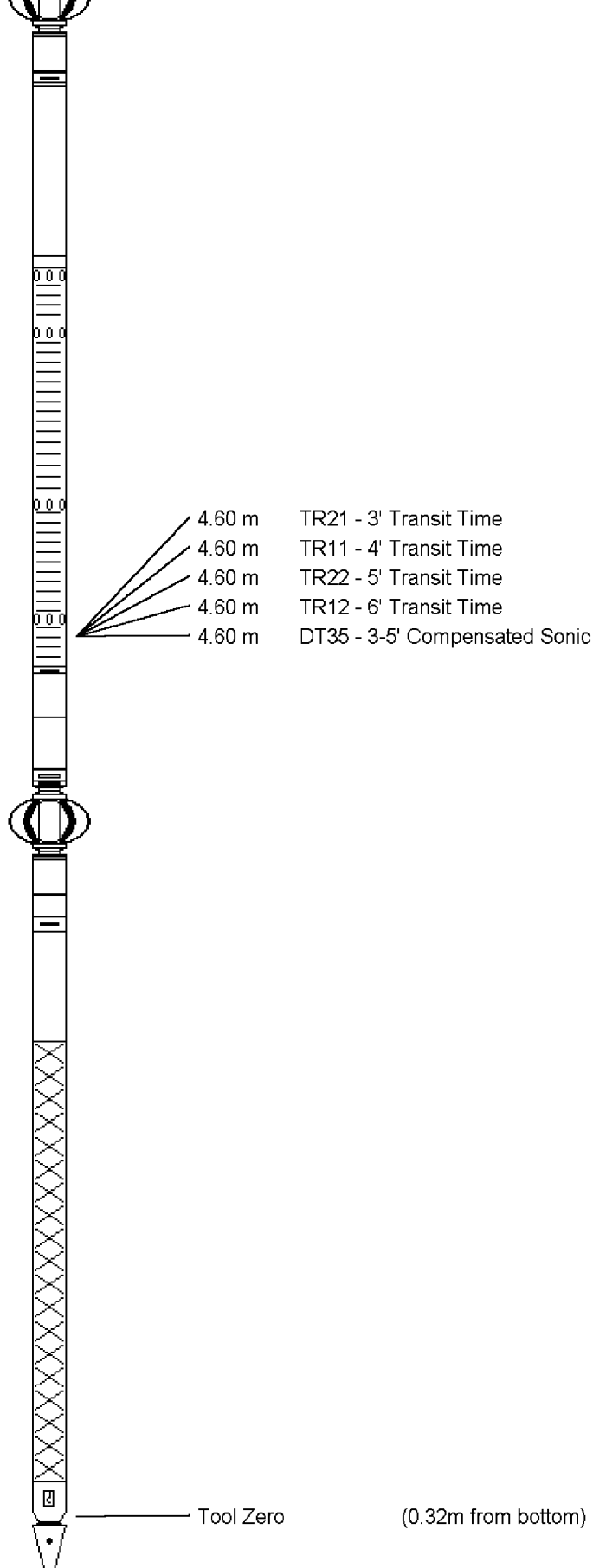
Compact Inline Standoff B
MIS 128 Length: 0.65 m Weight: 15.43 lb

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	2859.40	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
1:500 TVD