



DRILLER'S LOG

1:500

COMPANY	OEH		
WELL	WESTWOOD 1 - ST1		
FIELD	N/A		
PROVINCE/COUNTRY	TASMANIA		
COUNTRY/STATE	AUSTRALIA		
LOCATION	EASTING 502839.2m (MGA 94) NORTHING 6804958.7m (MGA 94)		
Latitude	41° 31' 9.3" S	Other Services	
Longitude	147° 21' 2.5" E	NONE	
Permanent Datum M.S.L., Elevation 0.0 metres			
Log Measured From D.F., 149 M above Permanent Datum			
Drilling Measured From D.F.			
Date	1-JAN-2010	Elevations:	
Run Number	ONE	KB	metres
Depth Driller	1679.00	DF	149.00
Depth Logger	1678.00	GL	145.00
First Reading	1677.15		
Last Reading	10.00		
Casing Driller	338.00		
Casing Logger	337.50		
Bit Size	8.500		
Hole Fluid Type	KCL/Polymer		
Density / Viscosity	9.30 ppg	41.00 sec/qt	
PH / Fluid Loss	10.60	6.80 ml/30Min	
Sample Source	MUD PIT		
Rm @ Measured Temp	0.54 @ 25.0	ohm-m	
Rmf @ Measured Temp	0.49 @ 25.0	ohm-m	
Rmc @ Measured Temp	0.84 @ 25.0	ohm-m	
Source Rmf / Rmc	PRESS	FILTER	
Rm @ BHT	0.30 @ 61.0	ohm-m	
Time Since Circulation	10.25		
Max Recorded Temp	61.00	deg C	
Equipment Name	COMPACT		
Equipment / Base	2	ROMA	
Recorded By	S. LUTTER		
Witnessed By	L. BURGESS		
Last Circulation	06:15/01-JAN		

BOREHOLE RECORD					Last Edited: 2-JAN-2010 11:12
Bit Size inches		Depth From metres		Depth To metres	
8.500		338.00		1679.00	
CASING RECORD					
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft	
SURFACE	9.625	0.00	338.00	36.00	

REMARKS
RUN NUMBER 1 IS THE PRIMARY DEPTH REFERENCE LOG. ALL OTHER RUNS ARE CORRELATED BACK TO THIS LOG.
SOFTWARE ISSUE: VERSION 10.06.0425 - 20 AUGUST 2009.
RUN 1 - HFS, MMR, MLE, MUG, MSS, MTC, MCG, MBE, MBE TOOLS RAN IN COMBINATION.
HARDWARE: - MMR: 2 x 1.0" STANDOFFS. - MUG: 1 x 1.0" STANDOFFS. - MBE: 1 x 1.0" STANDOFFS. - MBE: 1 x 1.0" STANDOFFS.
SERVICE REPORT NUMBER: 50706426.
RIG: HUNT ENERGY.
TOTAL HOLE VOLUME (HVOL) FROM T.D. TO SURFACE CASING = 53.2 CUBIC METRES.
TOTAL ANNULAR VOLUME (AVOL) WITH 7.0" PRODUCTION CASING = 20 CUBIC METRES.

SONIC CASING SIGNAL OBSERVED AT 335 METRES.
- LARGE AMOUNTS OF ROAD NOISE OBSERVED OFF BOTTOM. SAME RESULTS ON DOWNLOG.

TWO ARM CALIPER READING UNDERGAGE OFF BOTTOM DUE TO TOOL ECCENTRALIZATION.

CALIPERS CLOSED AT 1040 METRES TO FIX DRUM WRAP.

NO UPHOLE TENSION CURVE. DOWNHOLE TENSION AND RIG DEADLINE TENSION CLOSELY MONITORED THROUGHOUT THE OPERATION.

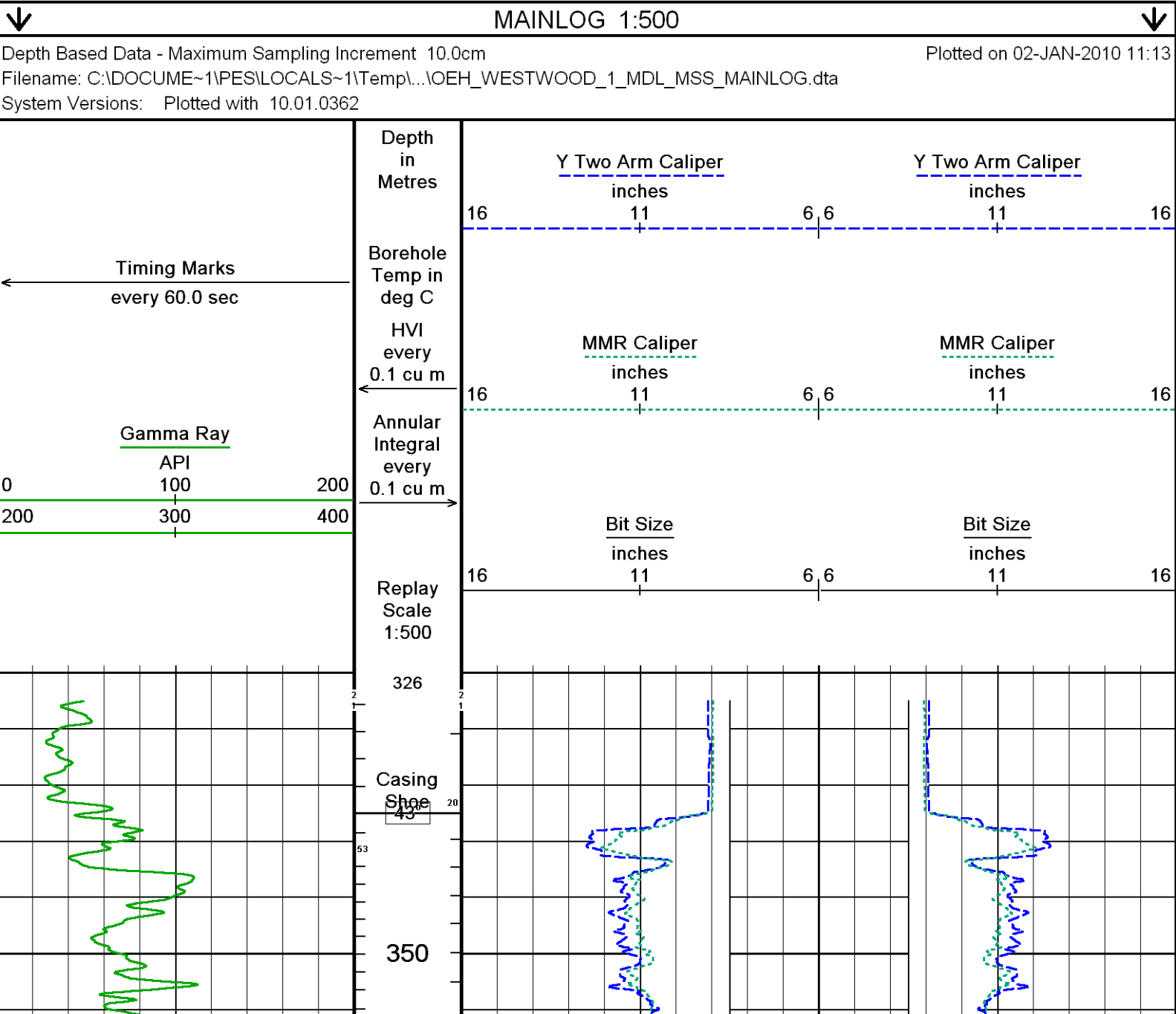
SP BASELINE SHIFT AT 622 METRES.

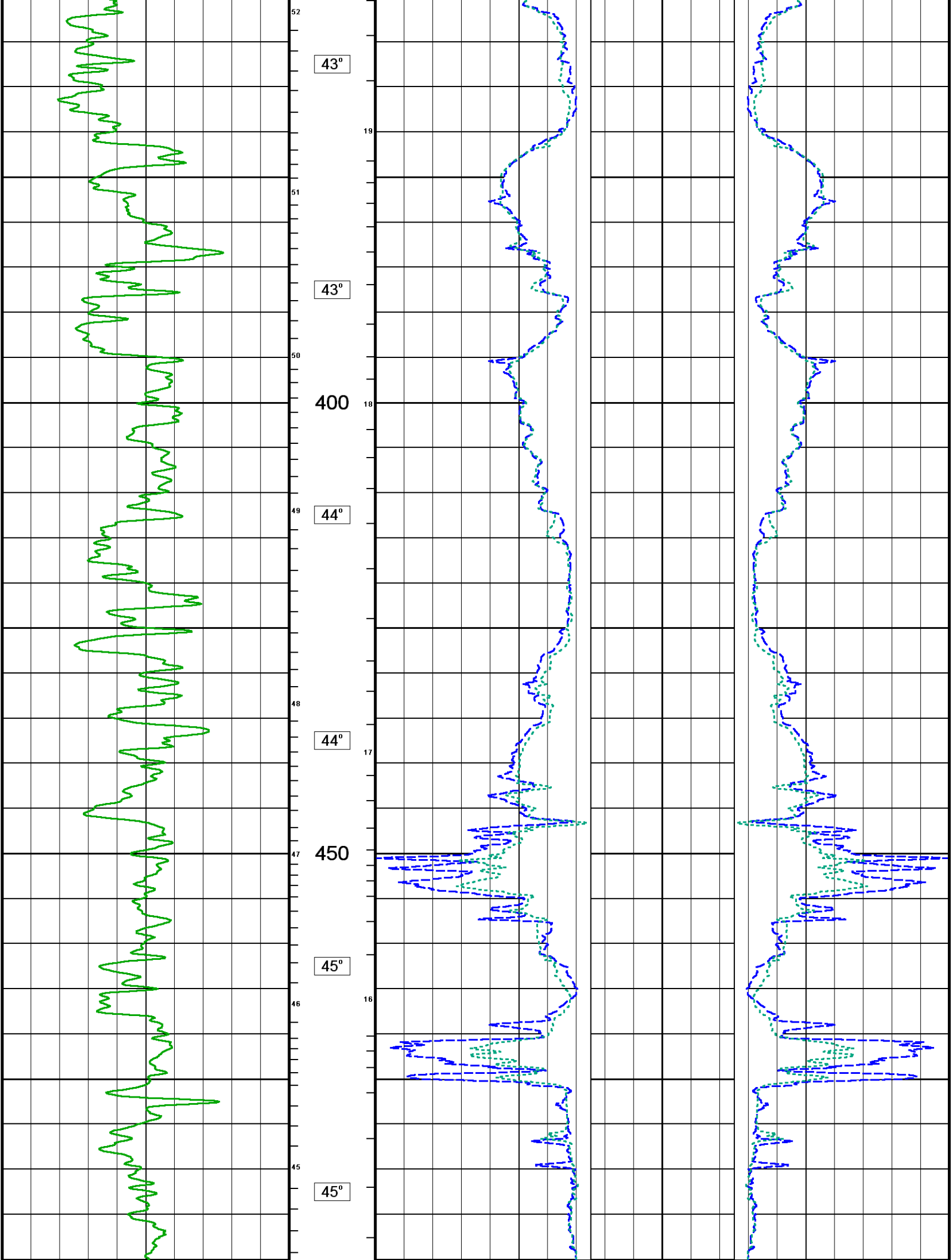
RUN 1 ON BOTTOM 16:35, 1 JANUARY 2010.

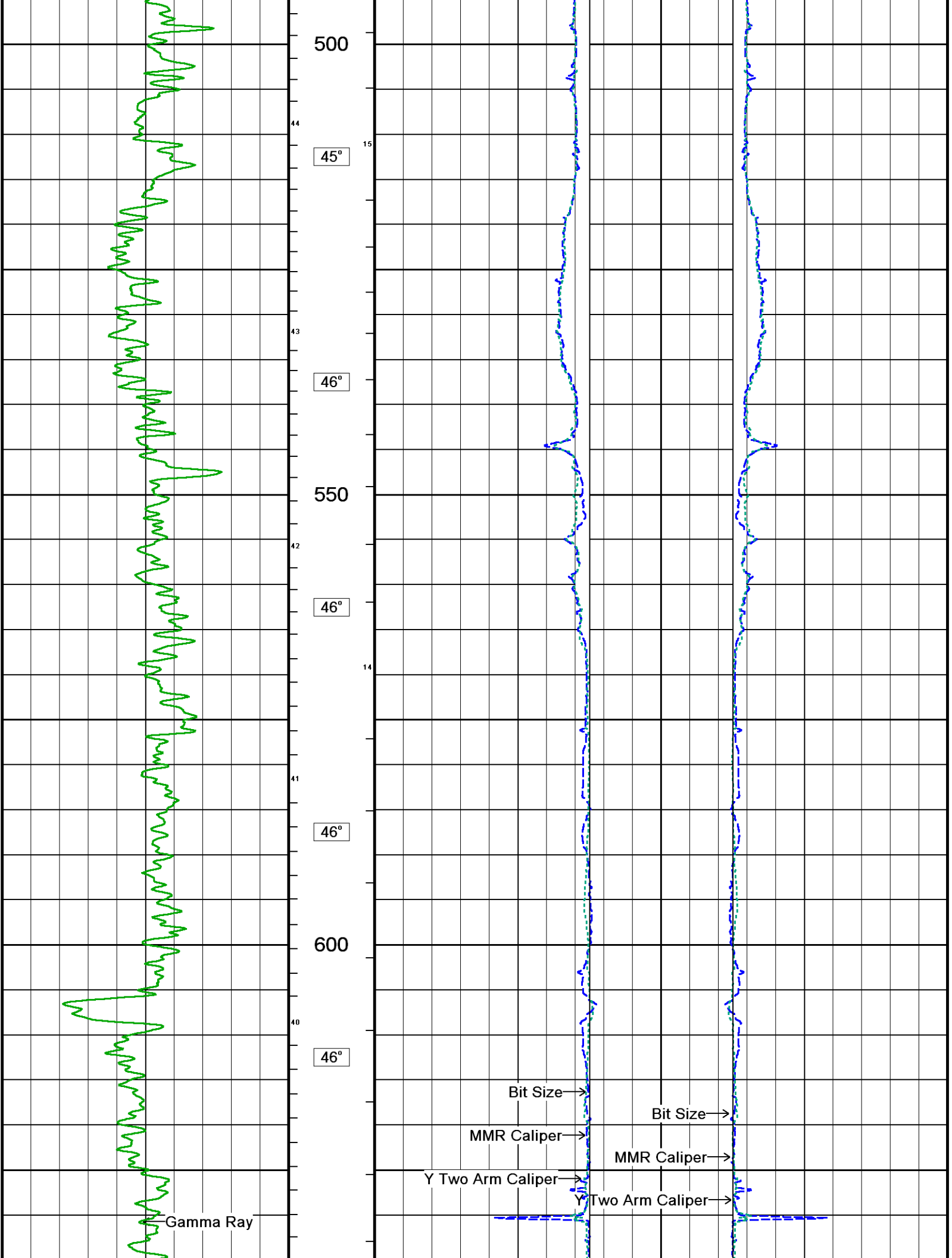
LOGGING UNIT J-FACTOR FOR HLU002: 0.5080.

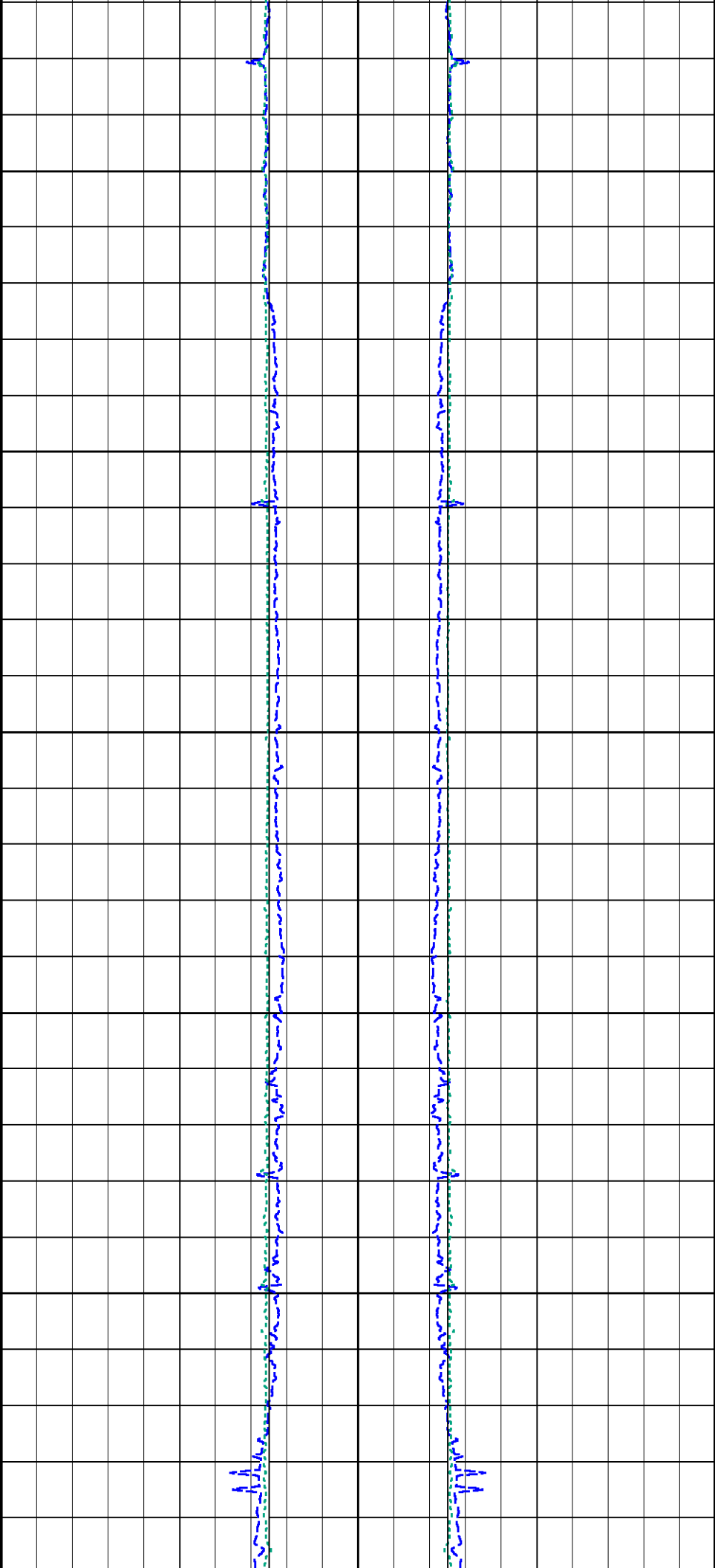
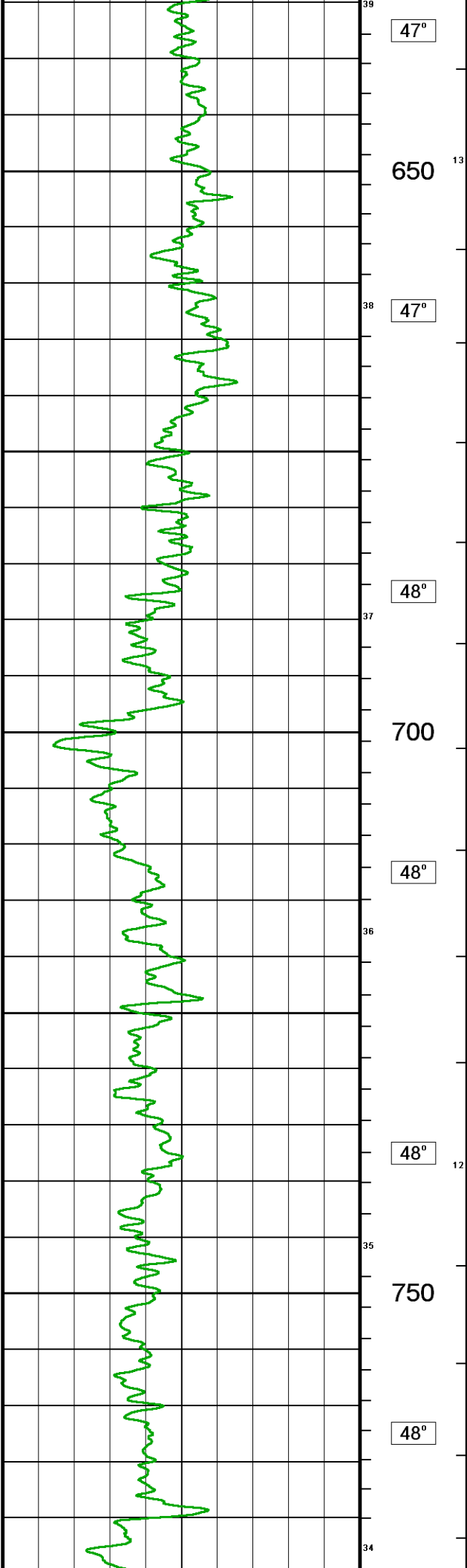
LOGGING CREW: ENGINEER 1 - S. LUTTER, ENGINEER 2 - B. MILLSOMM, OPERATOR - D. TODD.

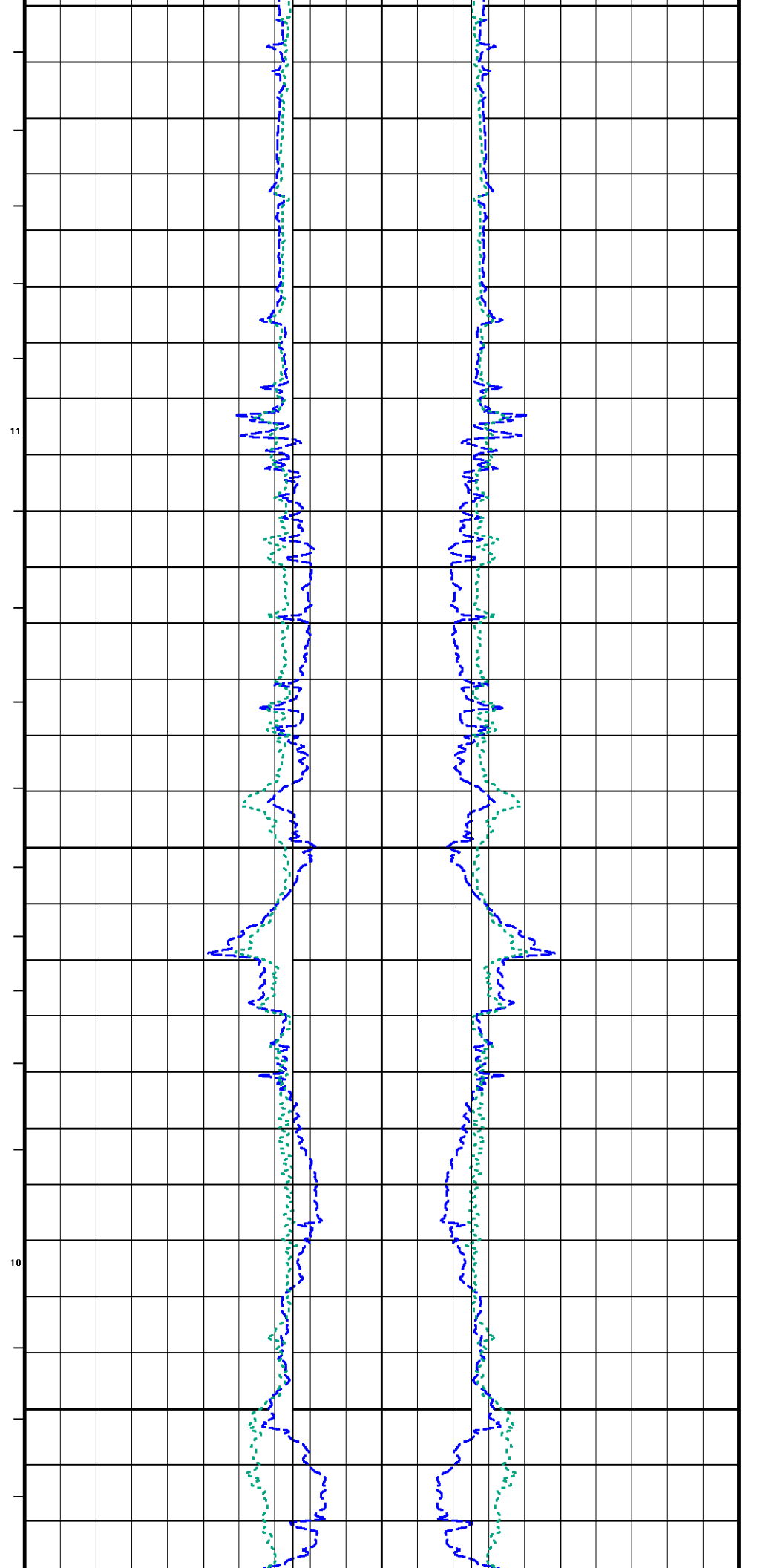
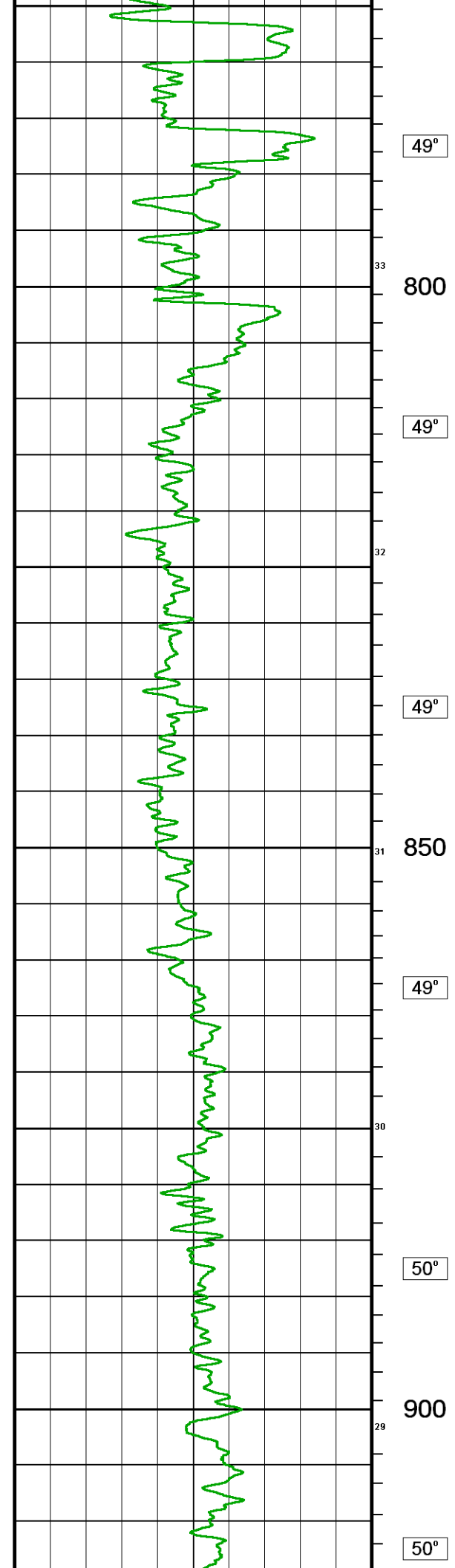
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

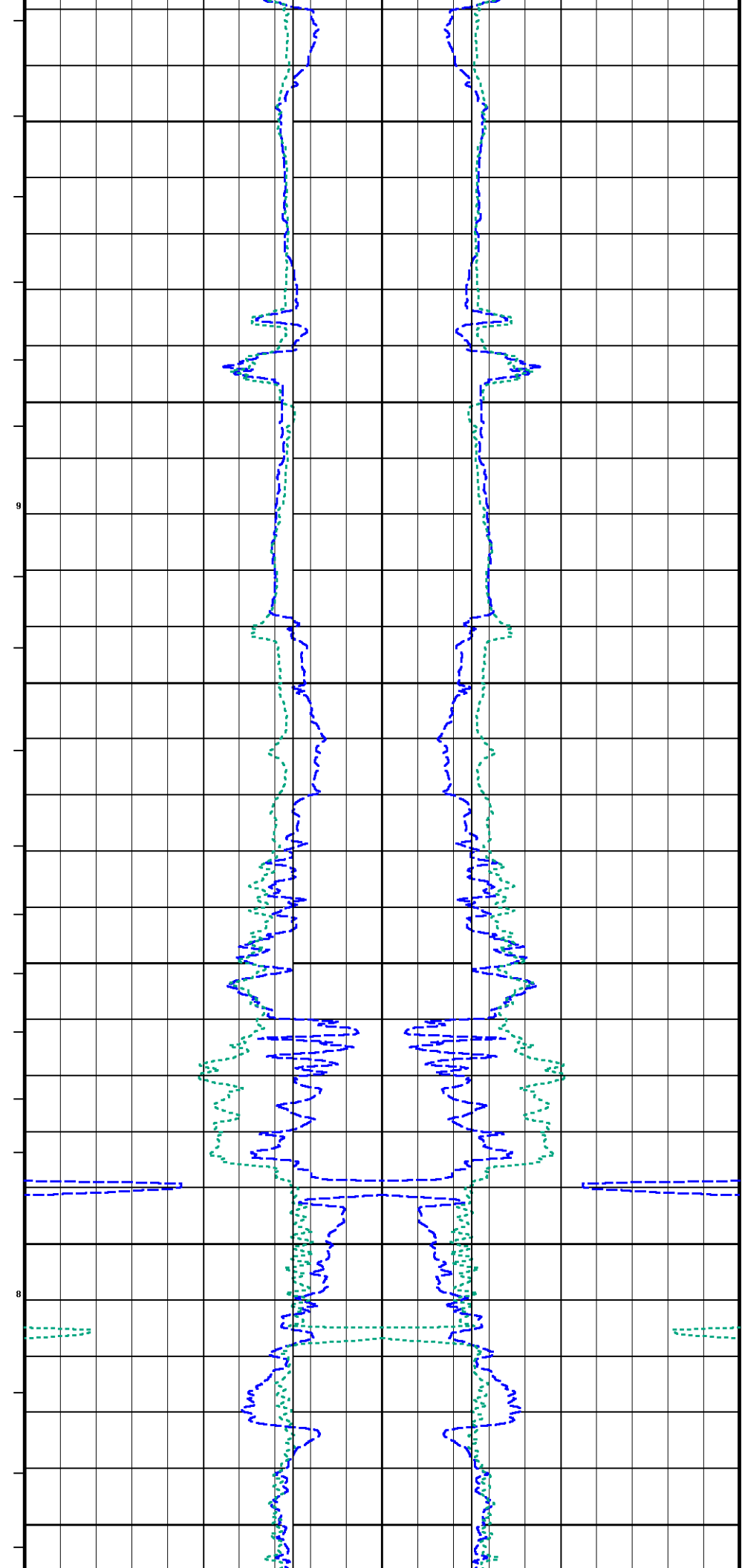
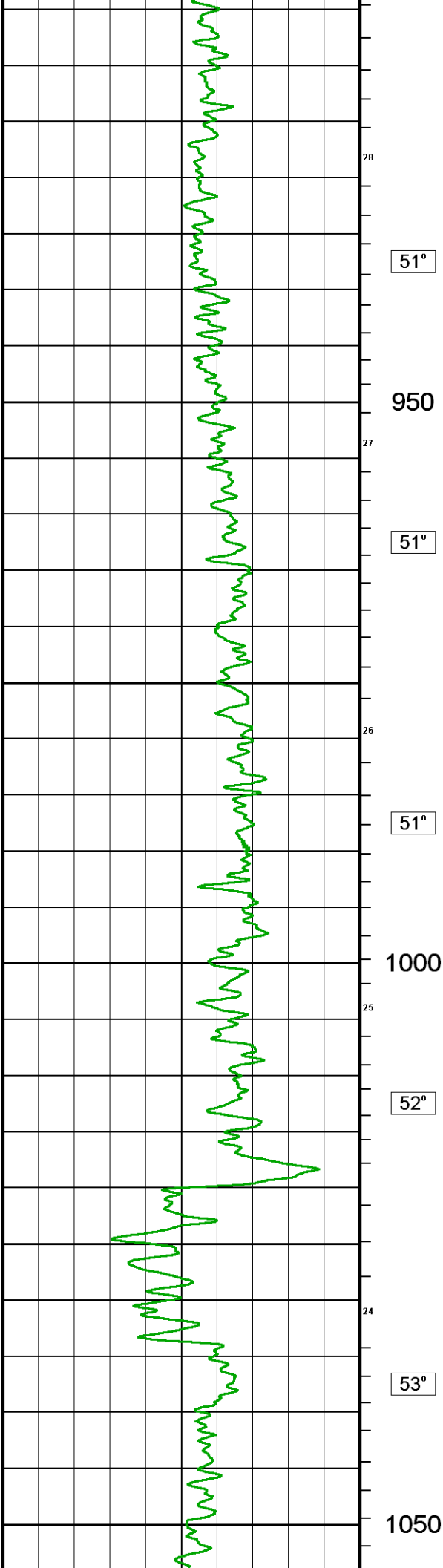


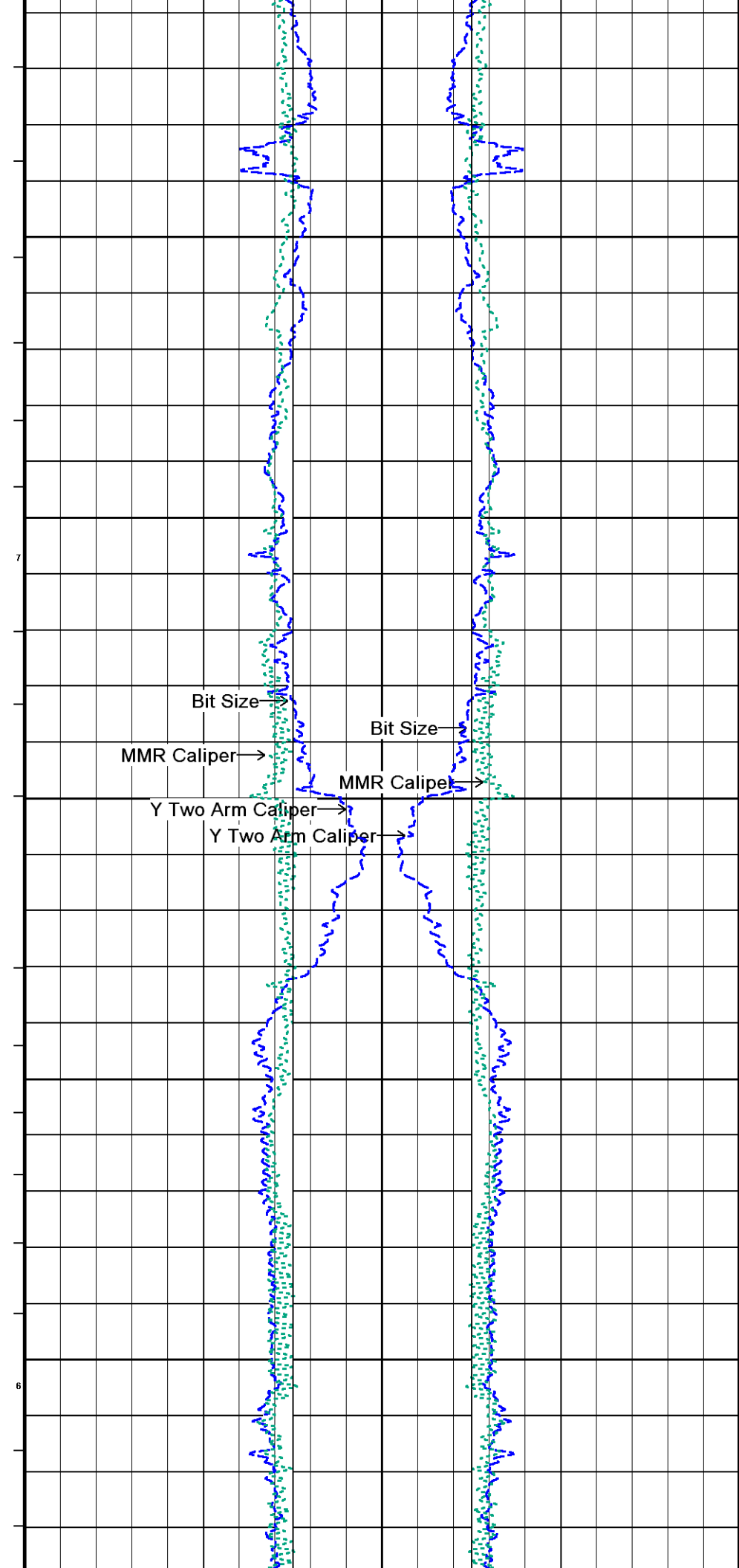
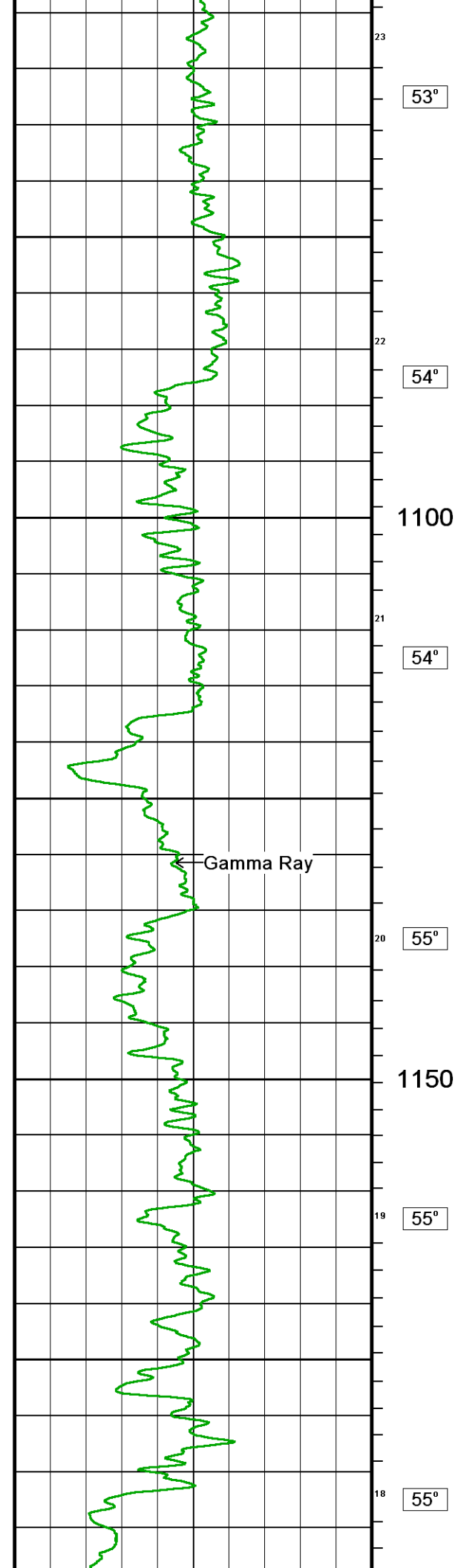


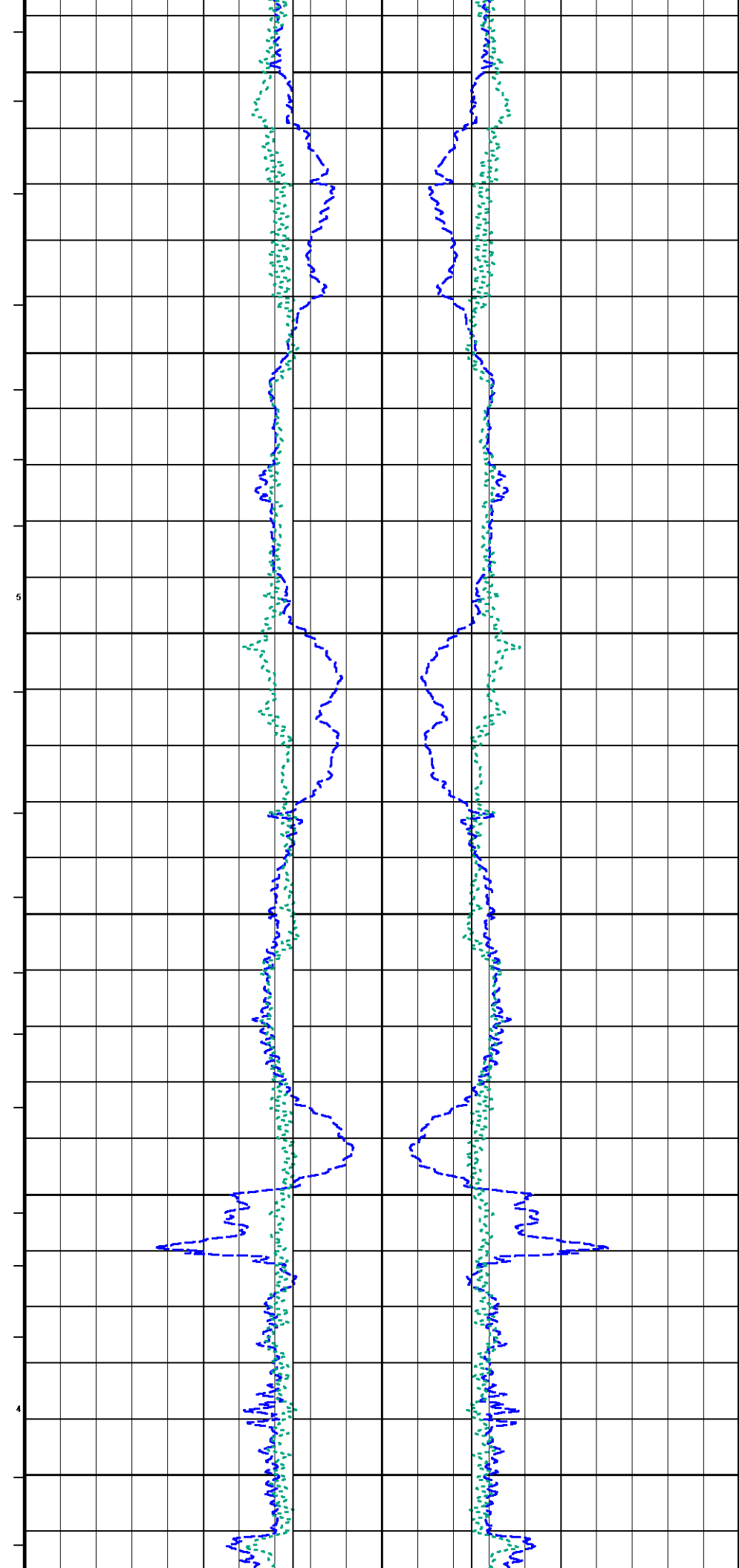
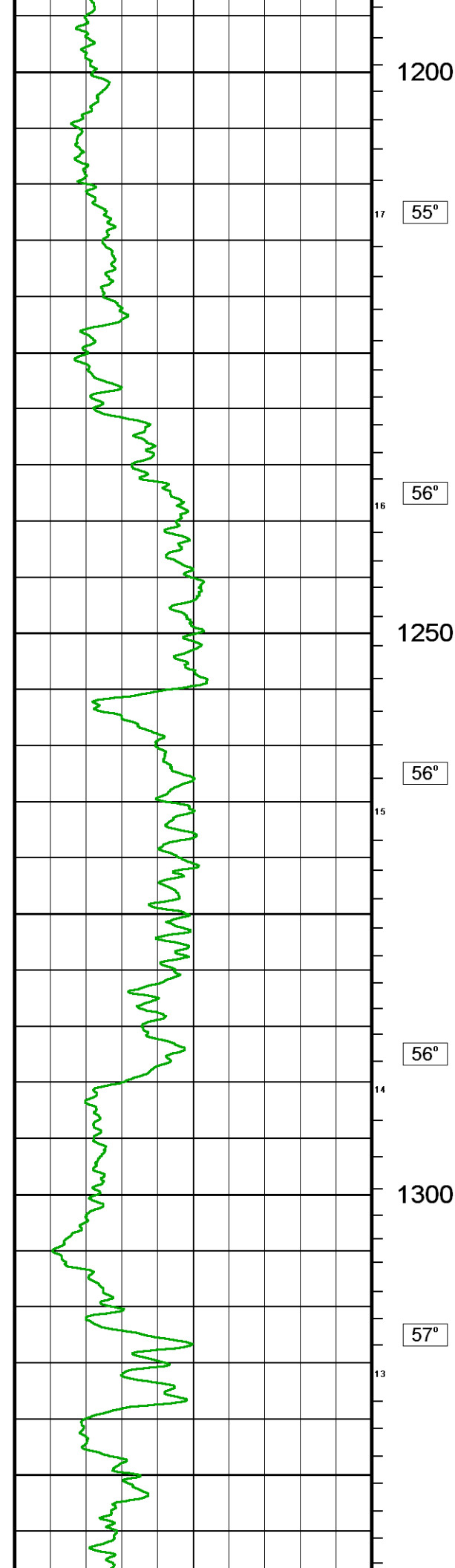


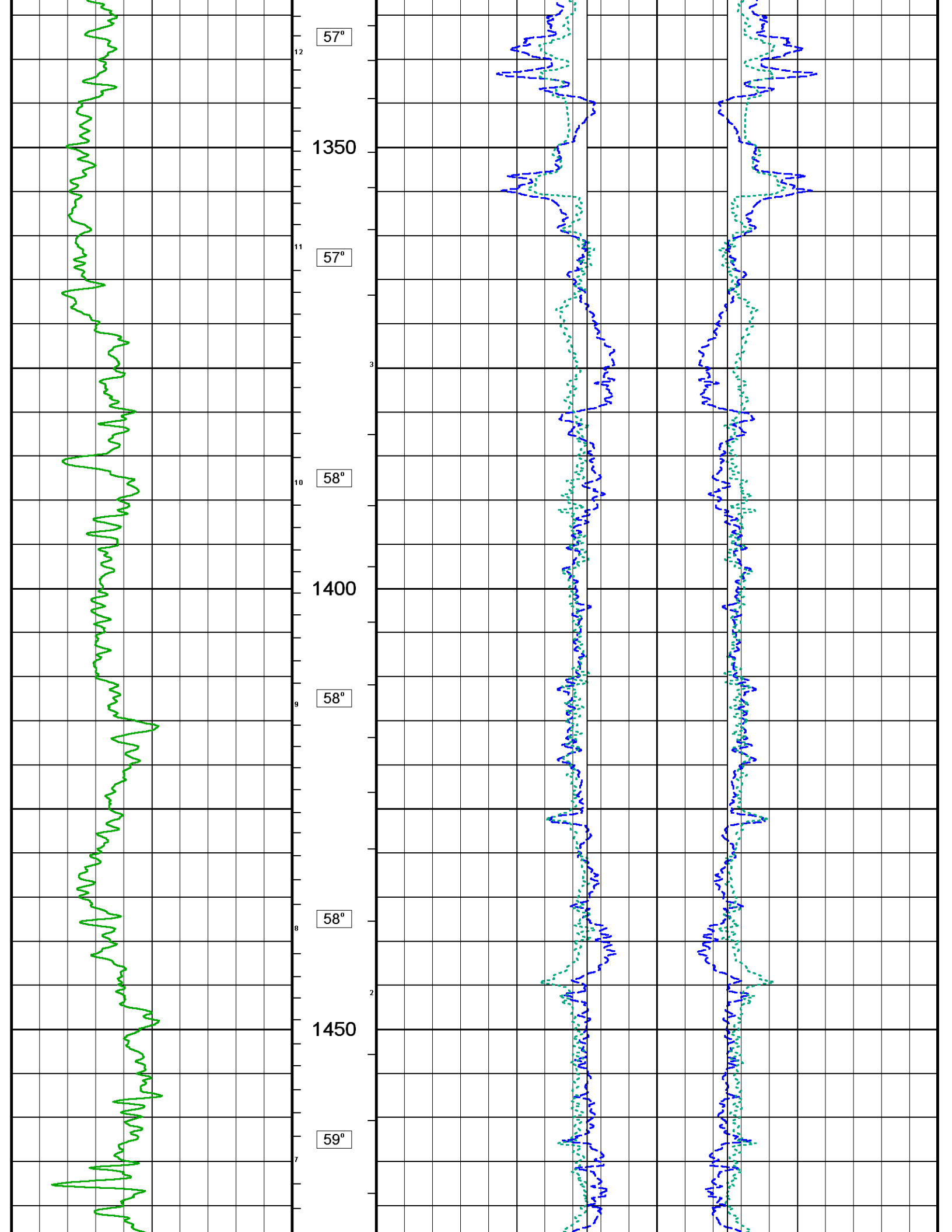


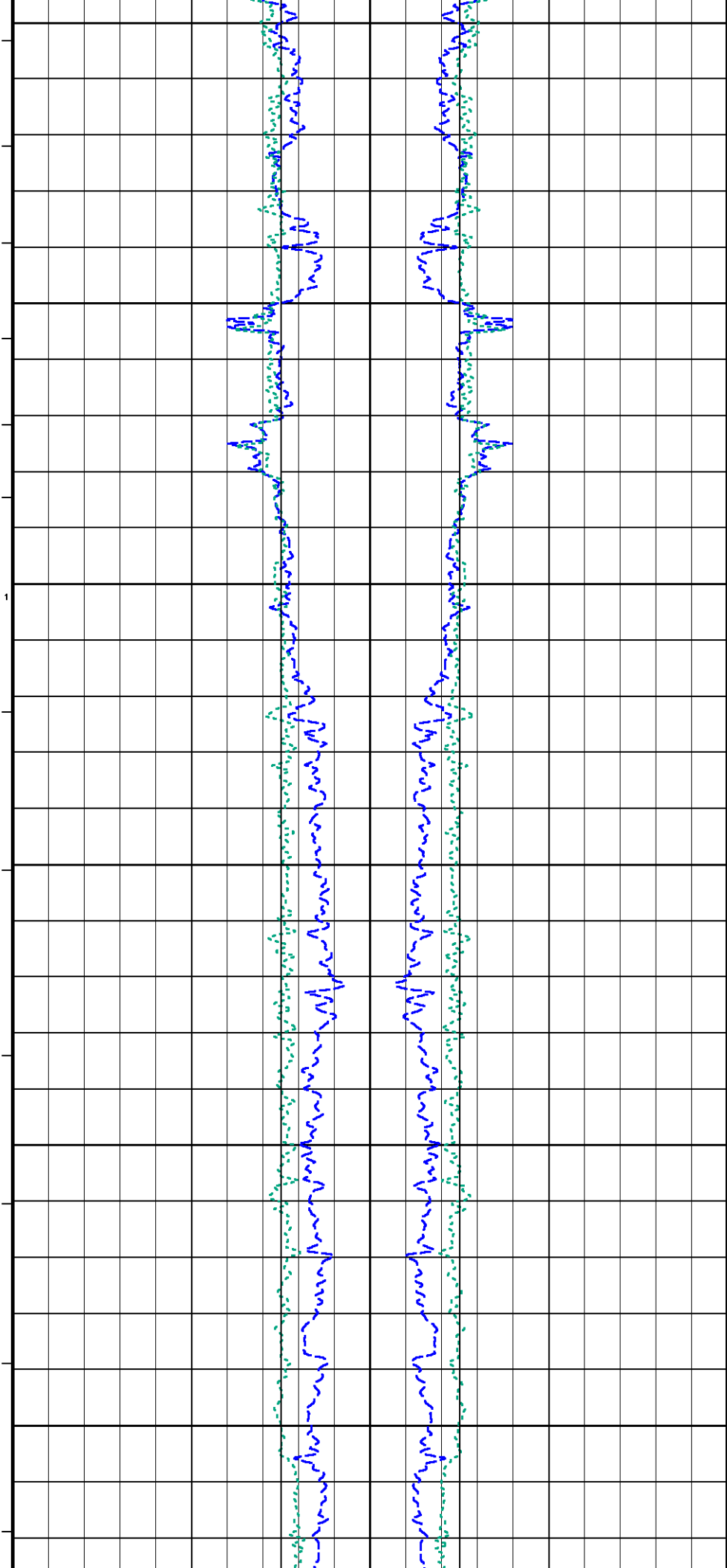
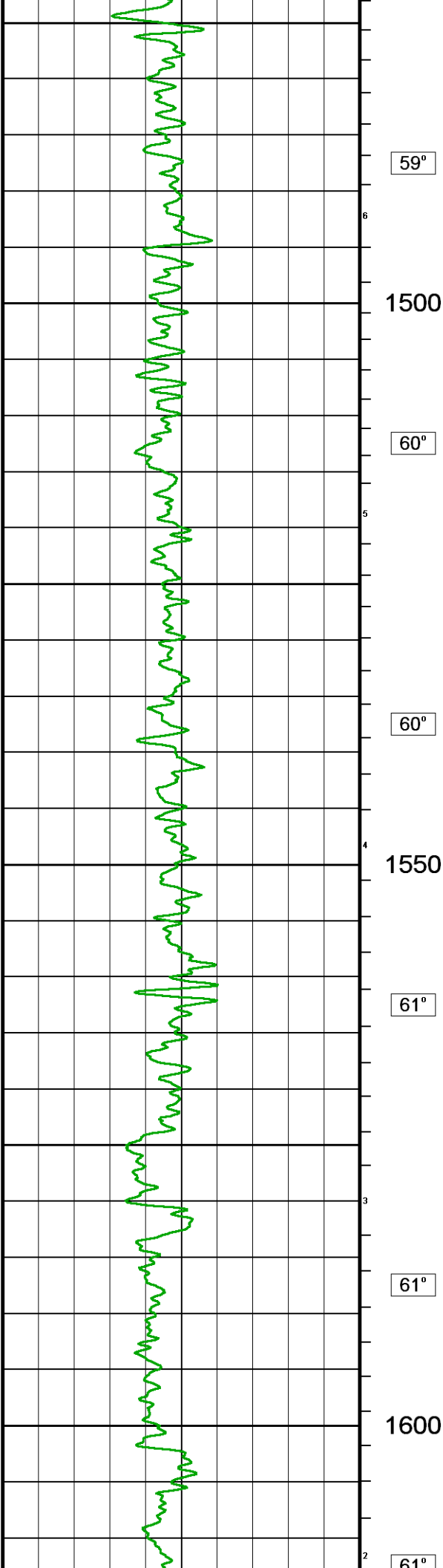


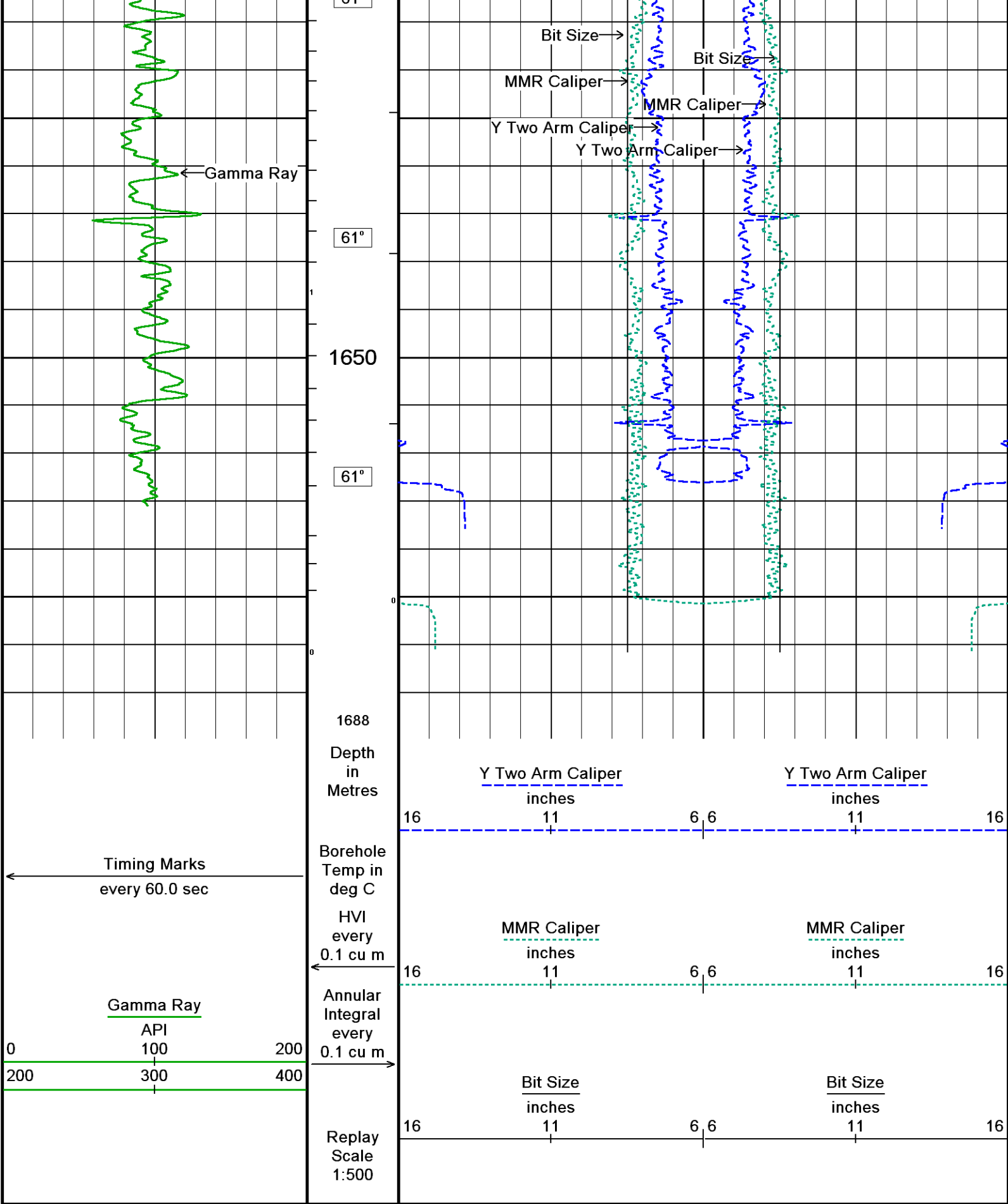












BEFORE SURVEY CALIBRATION

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General Constants All 000

Last Edited on 1-JAN-2010,07:59

General Parameters

Mud Resistivity	0.544	ohm-metres
Mud Resistivity Temperature	25.000	degrees C
Water Level	0.000	metres
Density/Neutron Processing	Wet Hole	

Hole/Annular Volume and Differential Caliper Parameters

HVOL Method	0	
HVOL Caliper 1	Y Two Arm Caliper	
HVOL Caliper 2	None	
Annular Volume Diameter	7.000	inches
Caliper for Differential Caliper	Y Two Arm Caliper	

Rwa Parameters

Porosity used	Wyllie Lime. Sonic Por.
Resistivity used	Deep Laterolog
RWA Constant A	0.610
RWA Constant M	2.150

DOWNHOLE EQUIPMENT

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MCC-A 11C Tension Cablehead

MCC 1 Length: 0.73 m Weight: 19.8 lb

11C-11B MTA-A Compact Tool Adaptor

MTA 1 Length: 0.47 m Weight: 13.2 lb

Compact Stiff Bridle Electrode Sub.

MBE 23 Length: 3.76 m Weight: 77.2 lb

Compact Stiff Bridle Electrode Sub.

MBE 54 Length: 3.76 m Weight: 77.2 lb

Compact Gamma

MCG 43 Length: 2.65 m Weight: 63.9 lb



19.94 m SPDL - Spontaneous Potential

15.61 m GRGC - Gamma Ray

14.72 m CGXT - MCG External Temperature

Compact Two Arm Caliper
MTC 69 Length: 2.17 m Weight: 61.7 lb

Compact Sonic
MSS 47 Length: 3.82 m Weight: 72.8 lb

Compact Upper Guard Sub.
MUG 5 Length: 2.74 m Weight: 68.3 lb

Compact Laterolog Electrode Sub.
MLE 107 Length: 3.76 m Weight: 92.6 lb

Compact Micro-Resistivity
MMR 4 Length: 2.62 m Weight: 81.6 lb

Pressure Bung + Hole Finder
HFS 3 Length: 0.28 m Weight: 6.6 lb

Total Length: 26.74 m Weight: 634.9 lb

12.99 m AVOL - Annular Volume
12.99 m HVOL - Hole Volume
12.99 m CLYC - Y Two Arm Caliper

10.15 m TR12 - 6' Transit Time
10.00 m TR22 - 5' Transit Time
10.46 m TR11 - 4' Transit Time
10.31 m TR21 - 3' Transit Time

9.24 m DT35 - 3-5' Compensated Sonic


3.93 m DSLL - Shallow Laterolog
3.93 m DDLL - Deep Laterolog

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

All measurements relative to tool zero.

COMPANY	OEH
WELL	WESTWOOD 1 - ST1
FIELD	N/A
PROVINCE/COUNTY	TASMANIA
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing		metres	First Reading	1677.15	metres
Elevation Drill Floor	149.00	metres	Depth Driller	1679.00	metres
Elevation Ground Level	145.00	metres	Depth Logger	1678.00	metres



Weatherford[®]

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