



MICROLOG

COMPANY			PARAMOUNT RESOURCES LTD.		
WELL			PARAMOUNT ET AL CAMERON J-04		
FIELD			CAMERON HILLS		
PROVINCE/COUNTY			NORTH WEST TERRITORIES		
COUNTRY/STATE			CANADA		
LOCATION			300/J-04-60-10-117-30		
			FIELD PRINT		
LSD	SEC	TWP	RGE	Other Services	
API Number		1159		ARRAY INDUCTION COMPENSTATED SONIC	
Permit Number		1159		PHOTO DENSITY DUAL SPACED NEUTRON	
Permanent Datum GROUND LEVEL, Elevation 765.20 metres				Elevations: KB metres DF 769.20 GL 765.20	
Log Measured From 4.00 M above Permanent Datum					
Drilling Measured From KB					
Date	15-FEB-2007				
Run Number	1				
Depth Driller	1449.00 metres				
Depth Logger	1449.50 metres				
First Reading					
Last Reading	430.00 metre				
Casing Driller	430.00 metres				
Casing Logger	429.80 metres				
Bit Size	200.00 mm				
Hole Fluid Type	GELCHEM				
Density / Viscosity	1060.0kg/M3			93.00 CP	
PH / Fluid Loss	11.00			11.00 ml/30Min	
Sample Source	FLOWLINE				
Rm @ Measured Temp	1.18 @ 25.0			ohm-m	
Rmf @ Measured Temp	1.04 @ 25.0			ohm-m	
Rmc @ Measured Temp	1.32 @ 25.0			ohm-m	
Source Rmf / Rmc	PRESS			FILTER	
Rm @ BHT	0.78 @ 48.0			ohm-m	
Time Since Circulation	6 HRS				
Max Recorded Temp	48.00			deg C	
Equipment Name	COMPACT				
Equipment / Base	13124			GPR	
Recorded By	G. SINGER				
Witnessed By	A. AHMED				
CIRC. STOP TIME	01:30-FEB-15			Last Line	

BOREHOLE RECORD

Last Edited: 15-FEB-2007 05:01

Bit Size millimetres	Depth From metres	Depth To metres
311.000	0.00	430.00
200.000	430.00	1449.00

CASING RECORD

Type	Size millimetres	Depth From metres	Shoe Depth metres	Weight Kg/metre
SURFACE	219.100	0.00	430.00	35.72

REMARKS

- 1) SOFTWARE ISSUE: WLS 7.01.0195.
- 2) CUSTOMER SCALES AND LOGGED INTERVALS USED
- 3) TOOLS RUN: MAI, MSS, MPD, MDN, MML, ISC, MGS, MTC, MFE, MCG RUN IN COMBINATION
- 4) HARDWARE: MAI: TWO 25.4 MM STANDOFFS
MSS: THREE 25.4 MM STANDOFFS
MDN: DUAL BOWSPRING AND INTERSONIC CRANK
MTC: SIX LEAF CENTRALIZER

5) SERVICE ORDER #: 30073028 SAP #: 4147101 # FIELD PRINTS = 3

6) RIG: PD 129

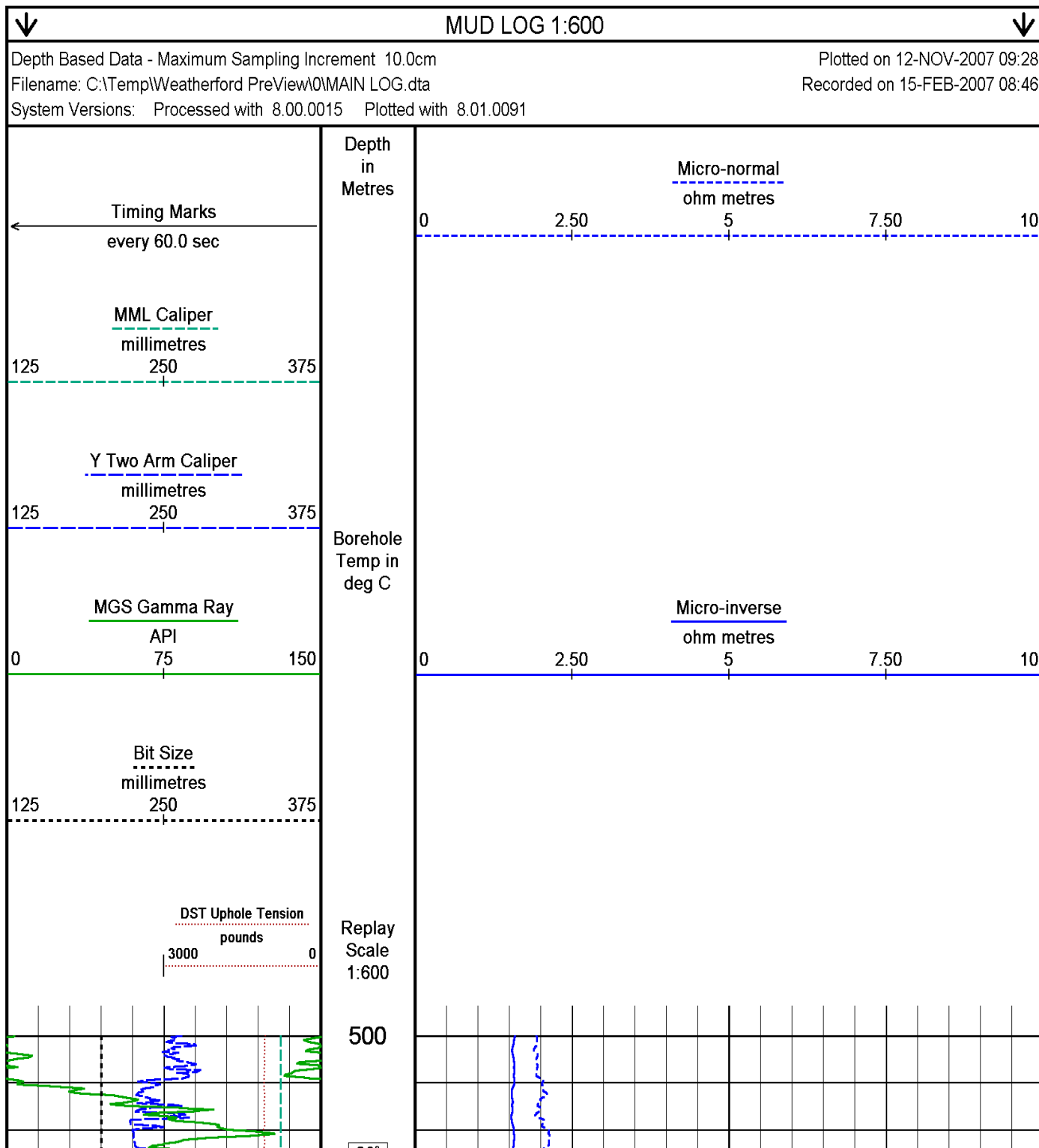
7) HOLE AND CEMENT VOLUMES CALCULATED USING DENSITY AND 2-ARM CALIPERS :

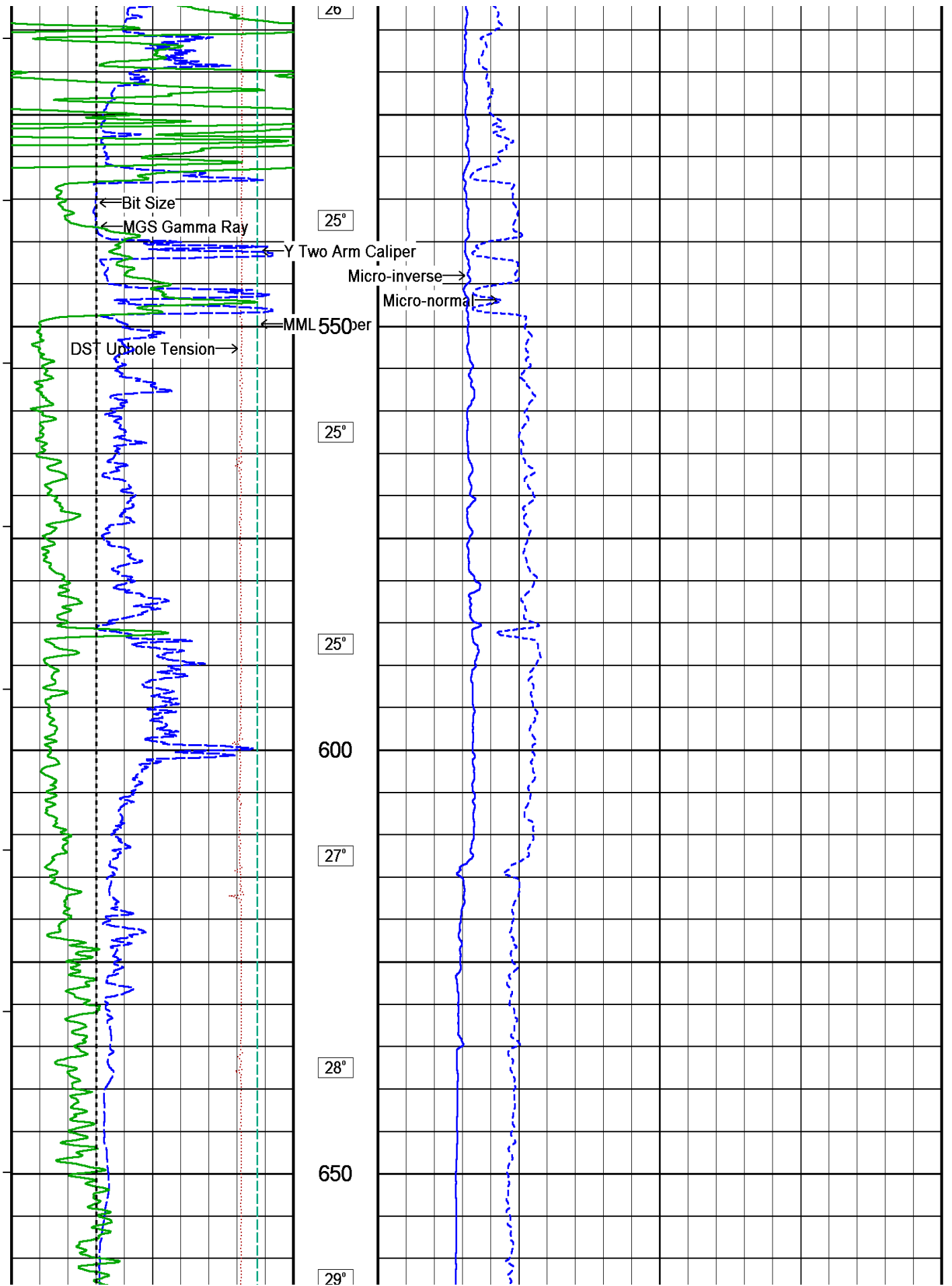
HOLE VOLUME = 37.4 CU.M.

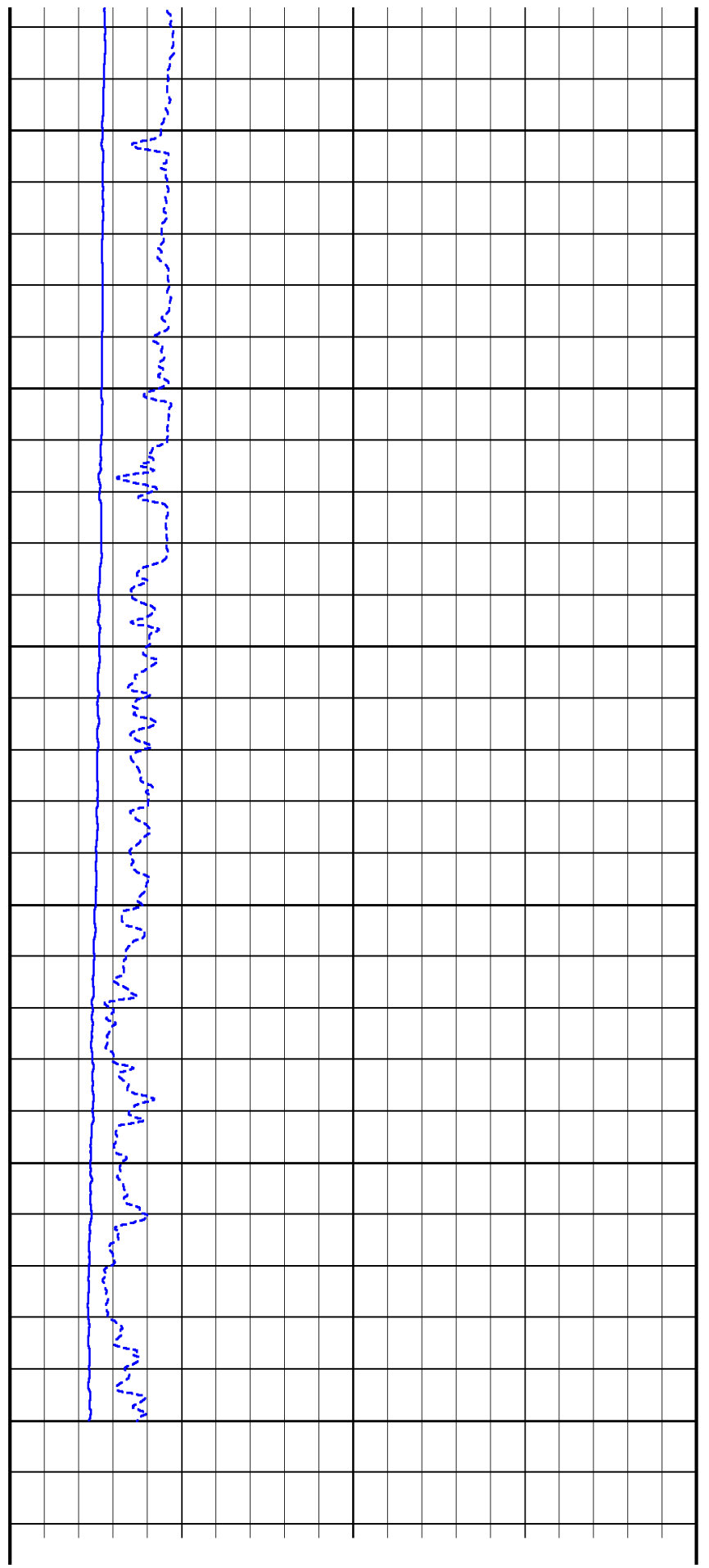
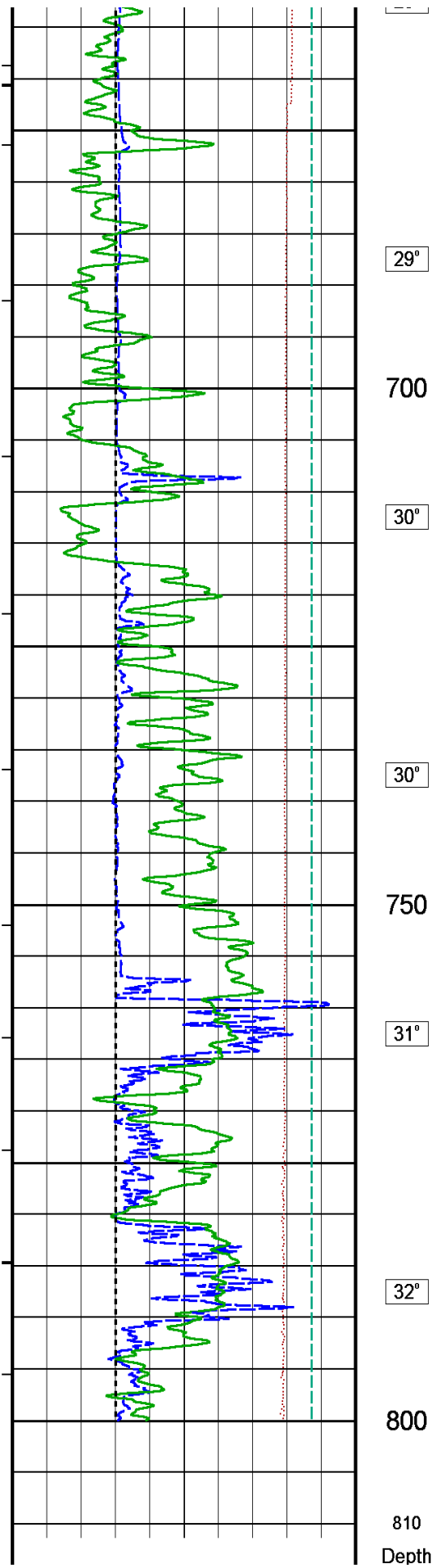
ANNULAR VOLUME USING 139.7 MM PRODUCTION CASING = 21.8 CU.M

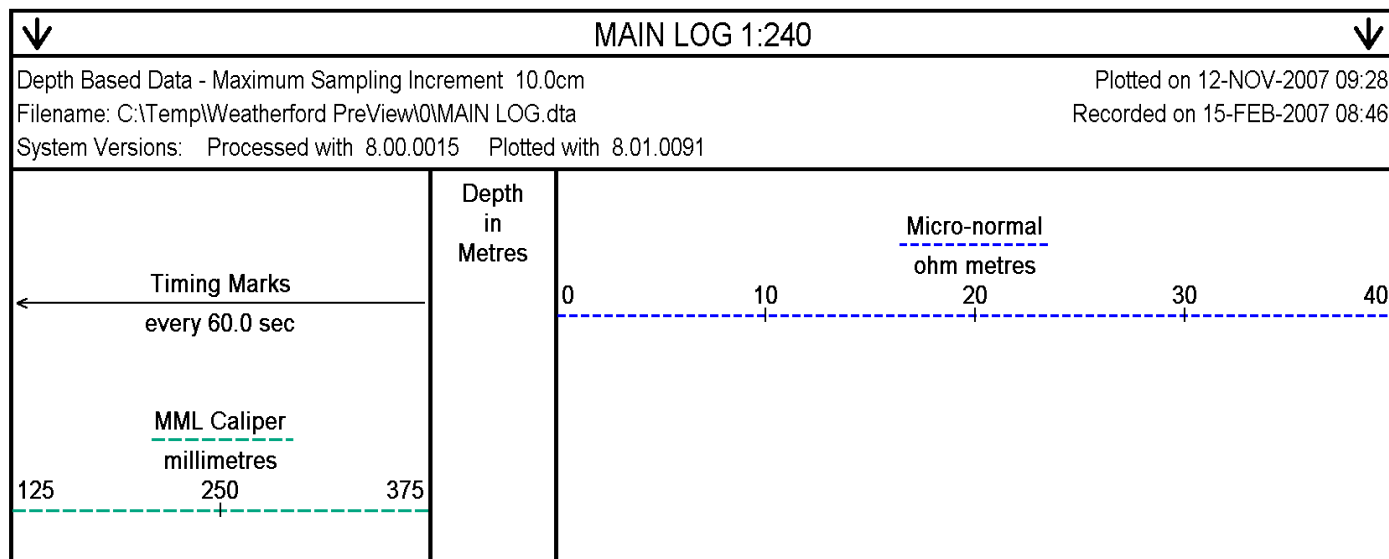
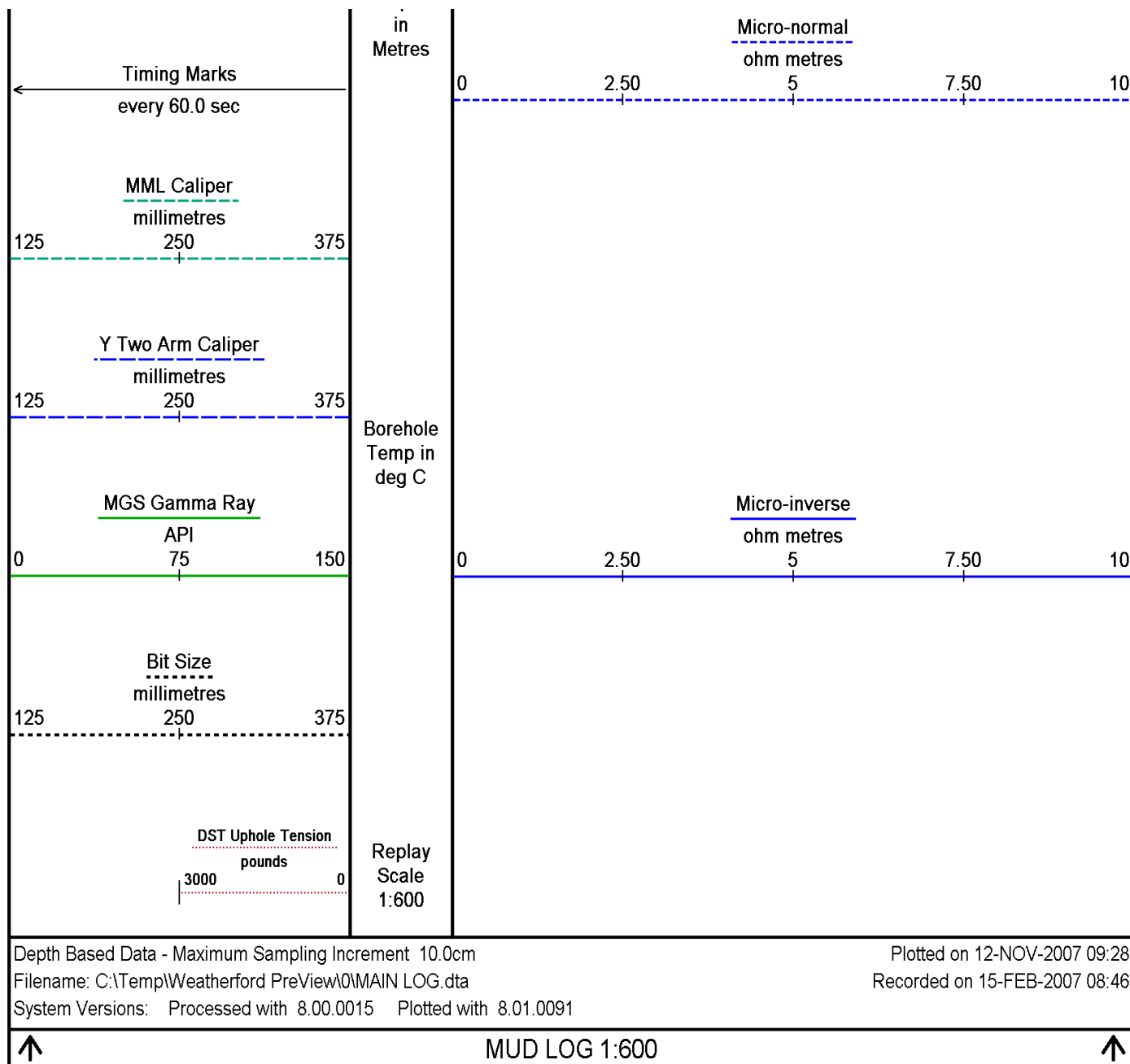
8) SONIC FREE PIPE FOUND FROM 352M - 357M

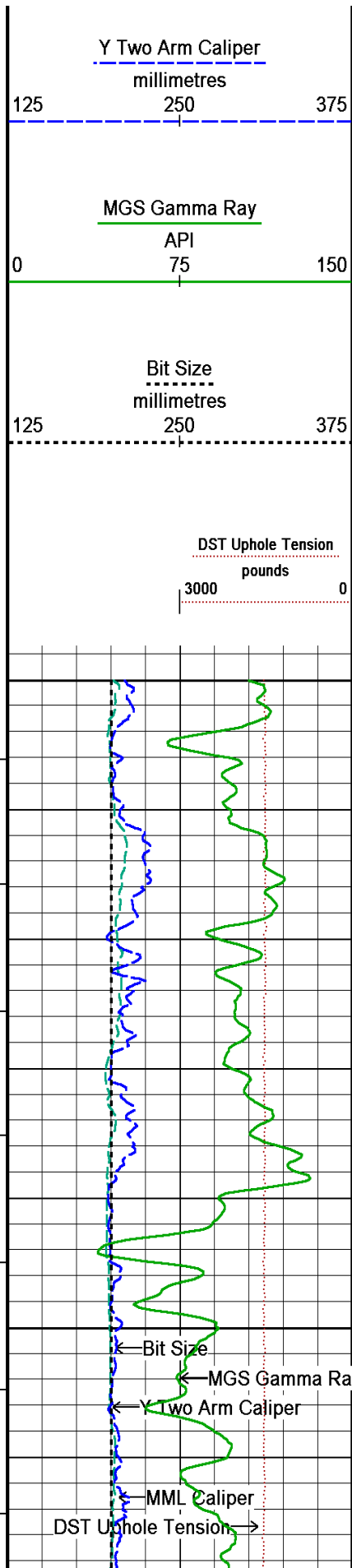
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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











Borehole
Temp in
deg C

Replay
Scale
1:240

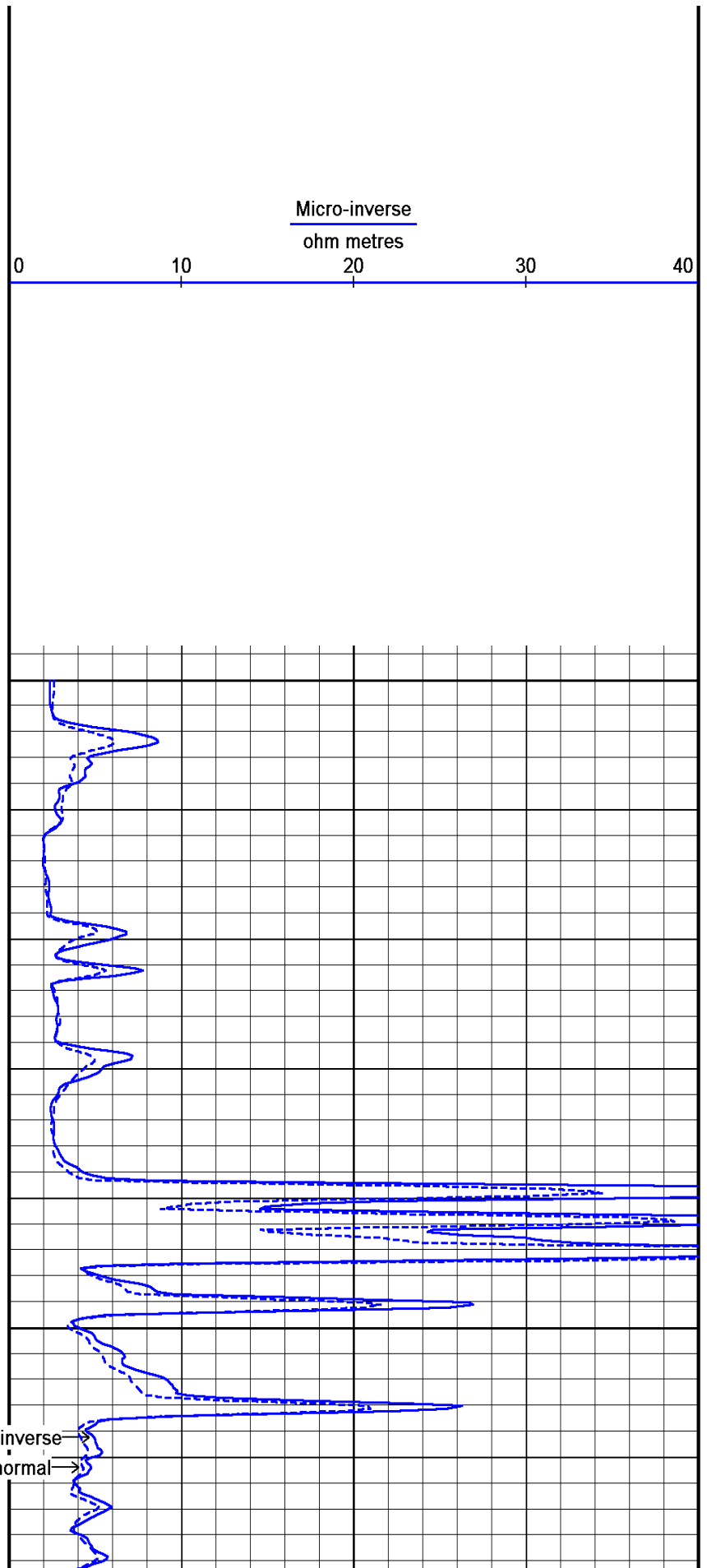
1300

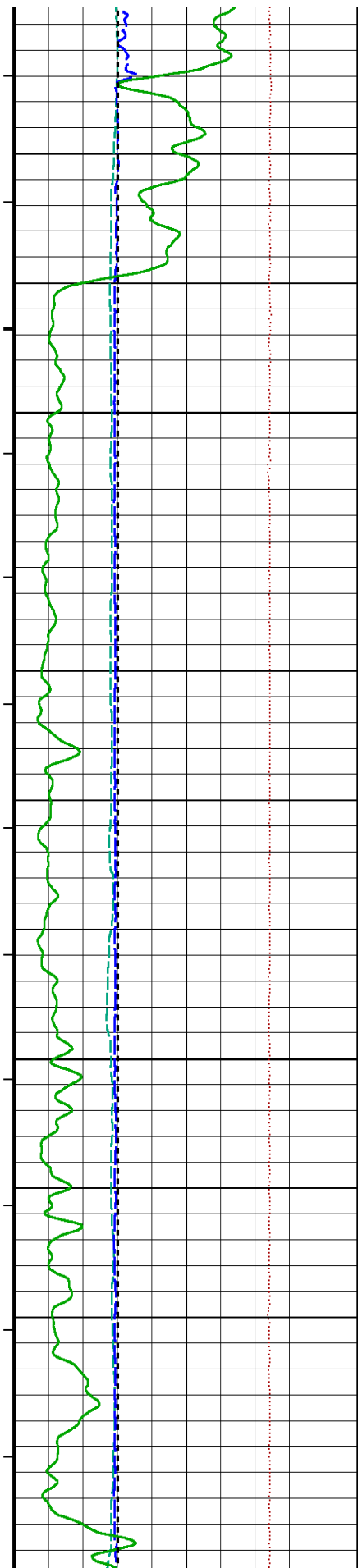
1310

44°

1320

Micro-inverse
1330
micro-normal





45°

1340

1350

1360

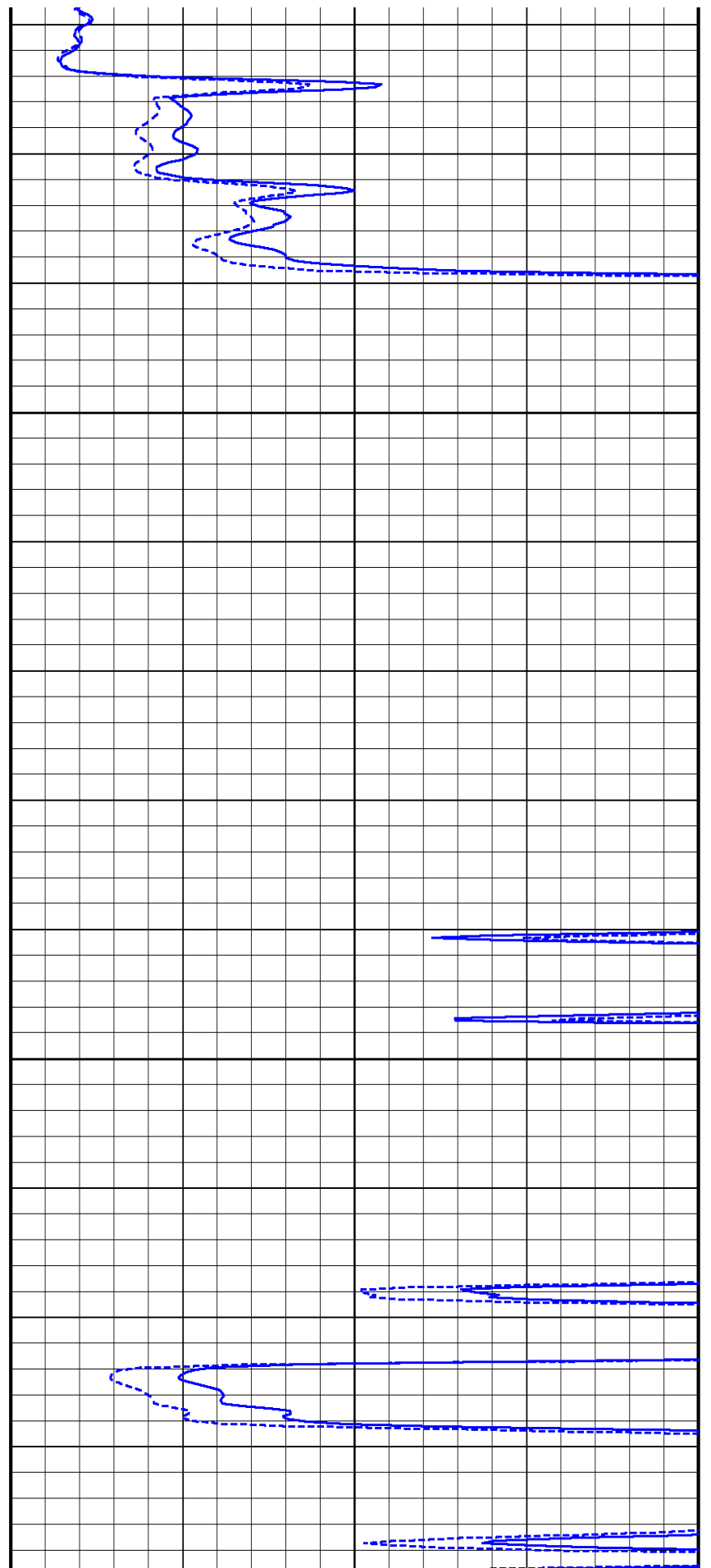
45°

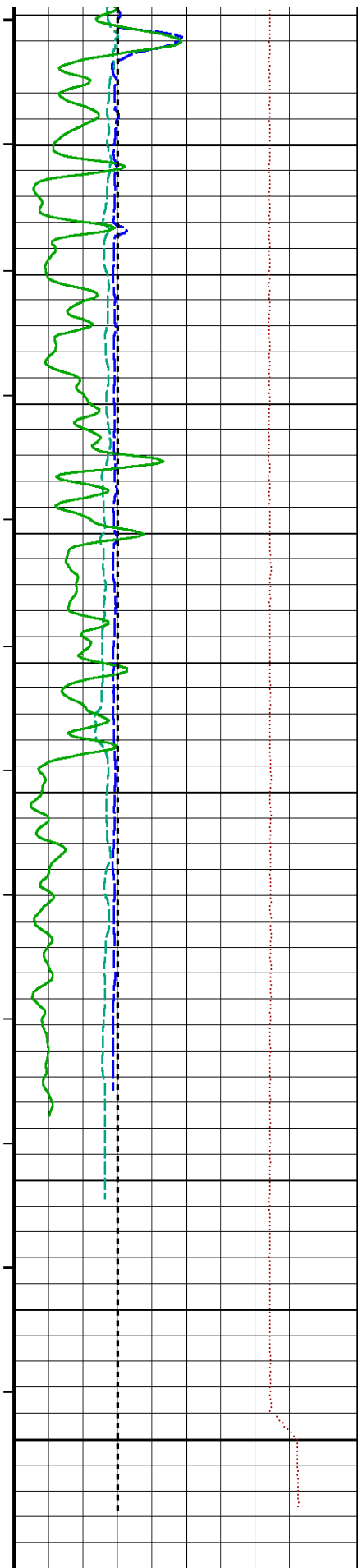
1370

1380

46°

1390





1400

1410

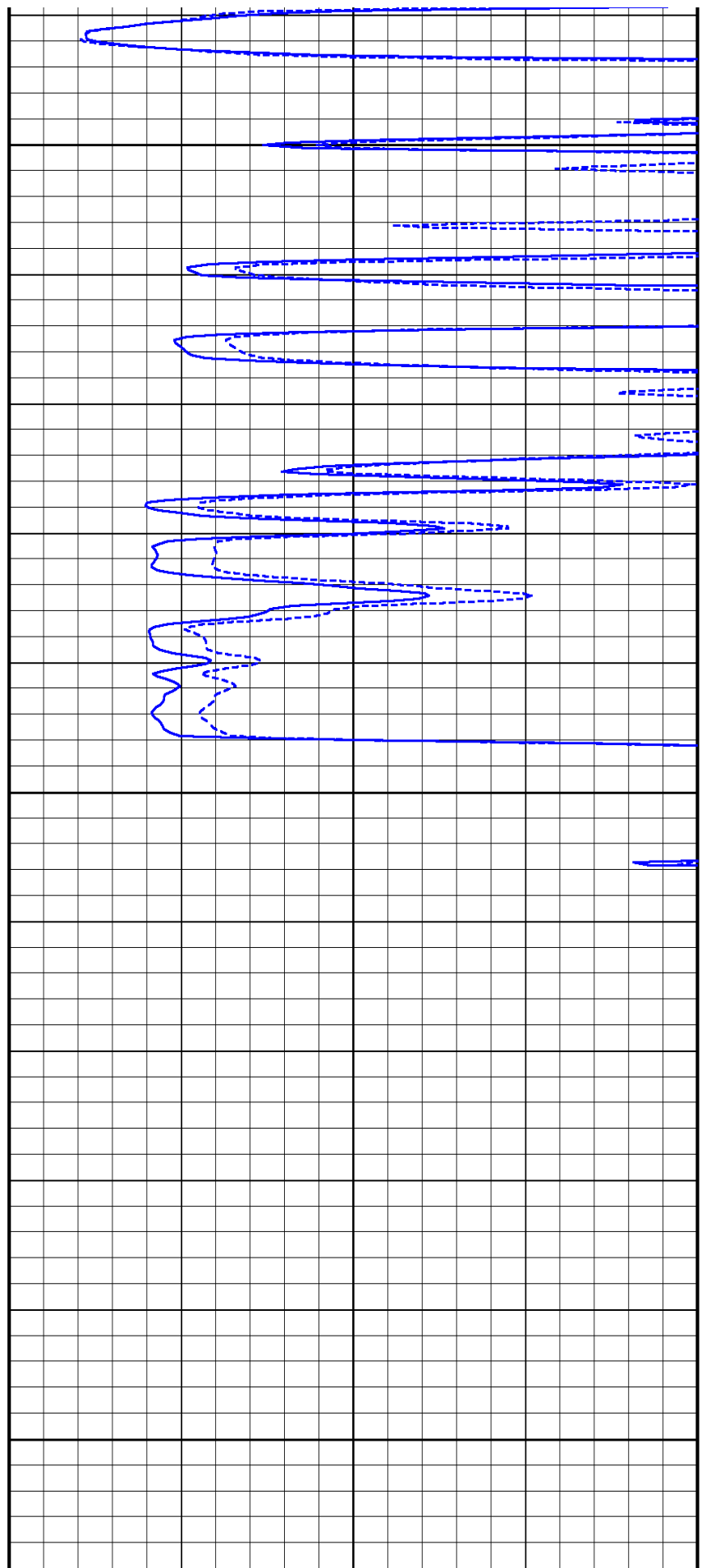
48°

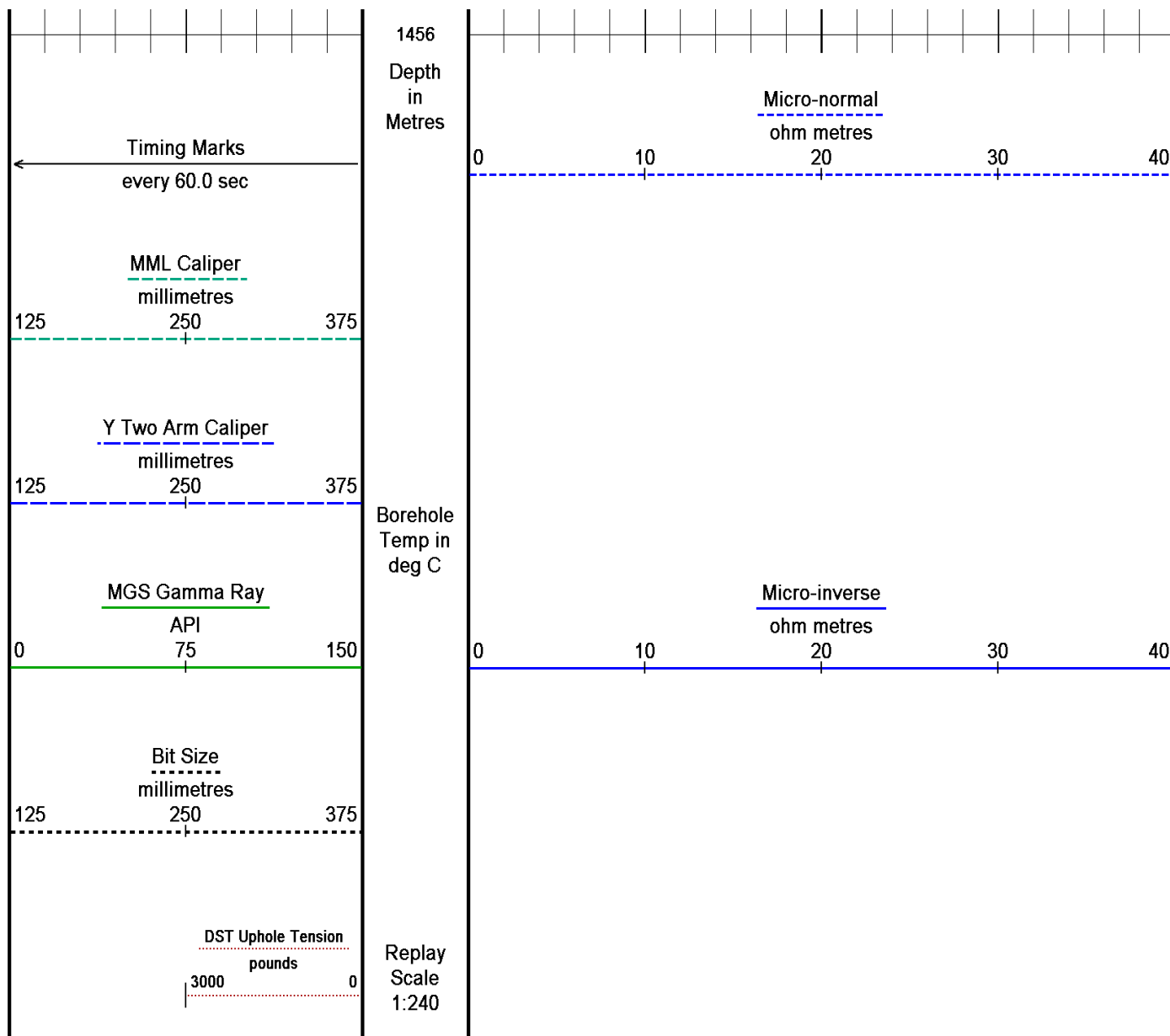
1420

1430

1440

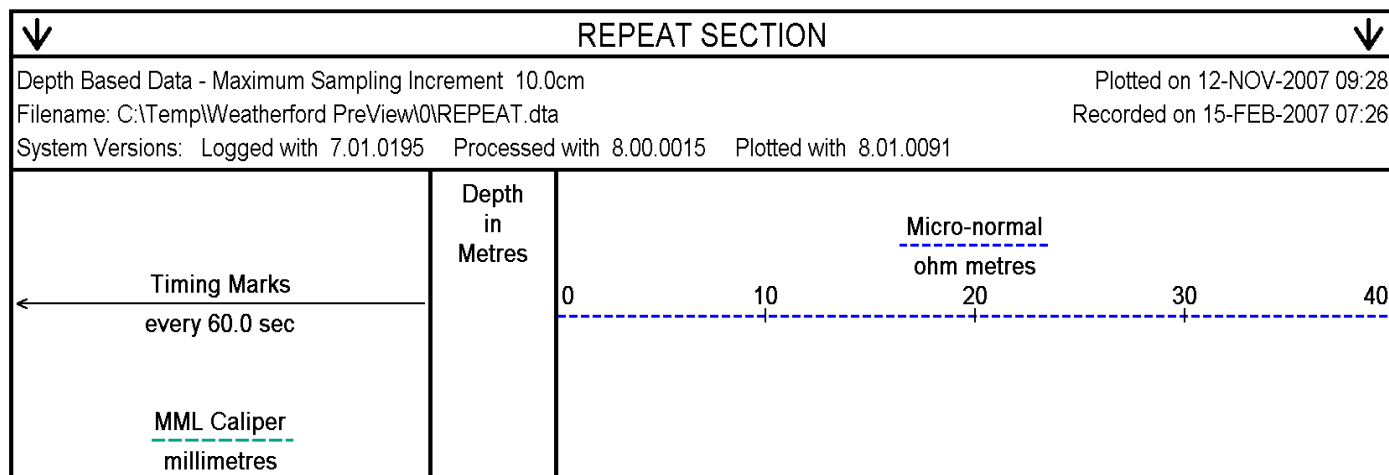
1450

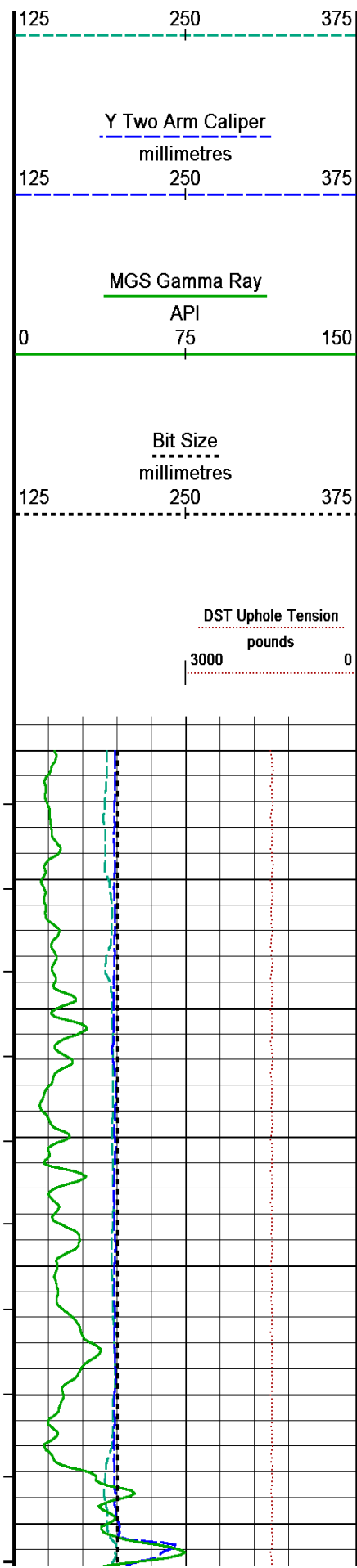




Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 12-NOV-2007 09:28
Filename: C:\Temp\Weatherford PreView\0\MAIN LOG.dta	Recorded on 15-FEB-2007 08:46
System Versions: Processed with 8.00.0015 Plotted with 8.01.0091	

↑	MAIN LOG 1:240	↑
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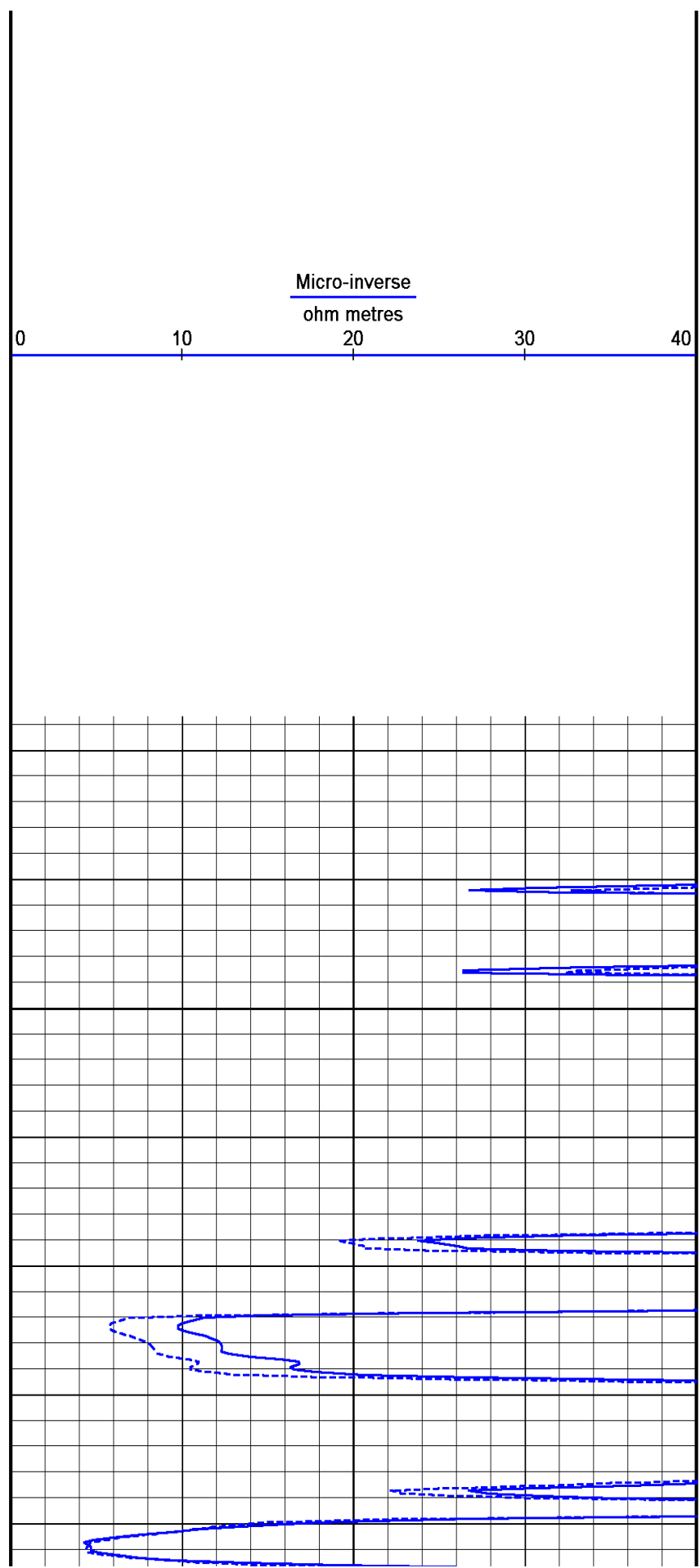


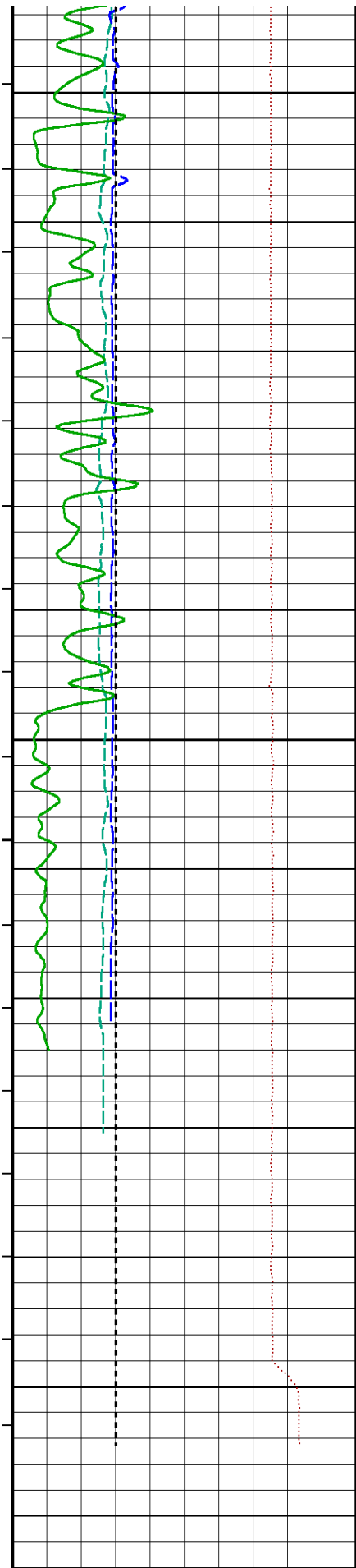


Borehole
Temp in
deg C

Replay
Scale
1:240

1365
1370
1380
45°
1390





1400

1410

46°

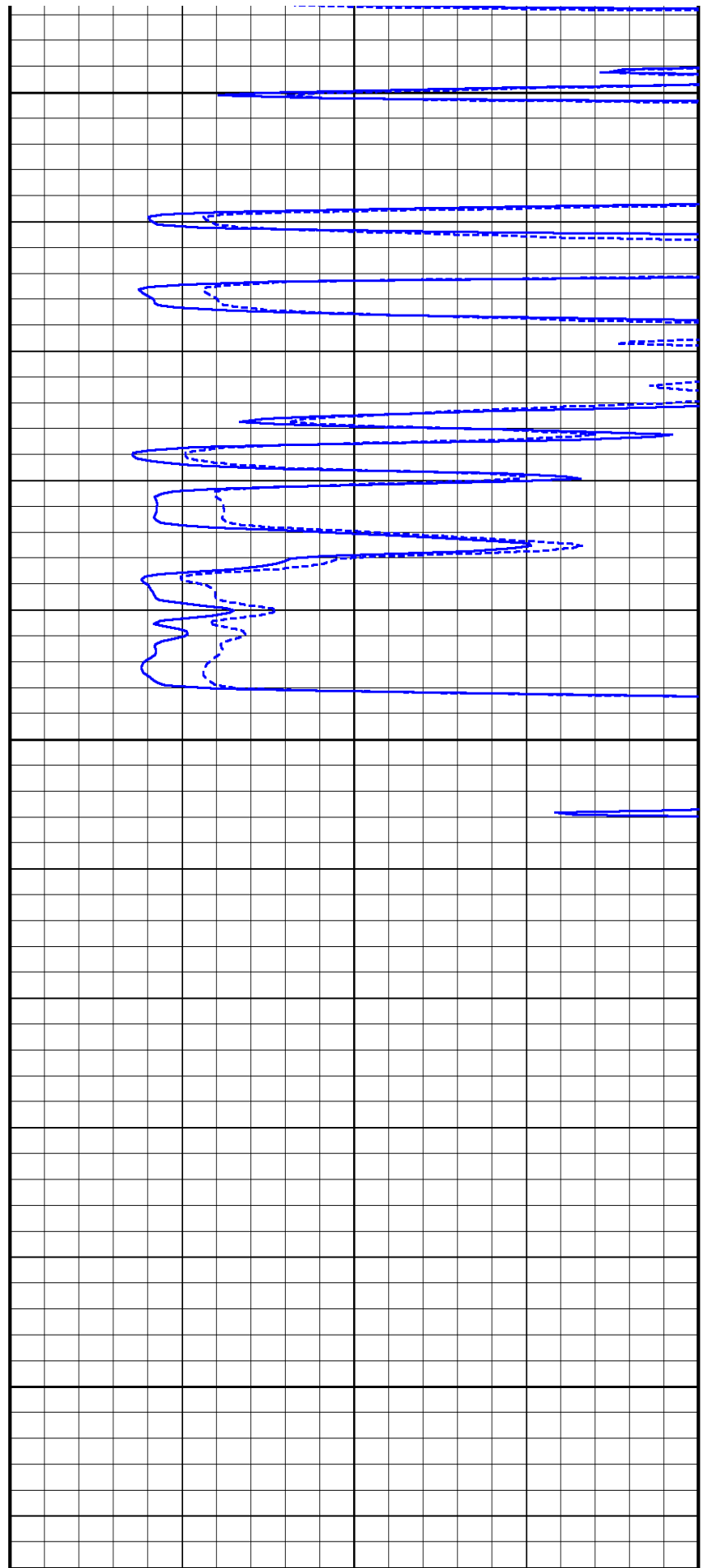
1420

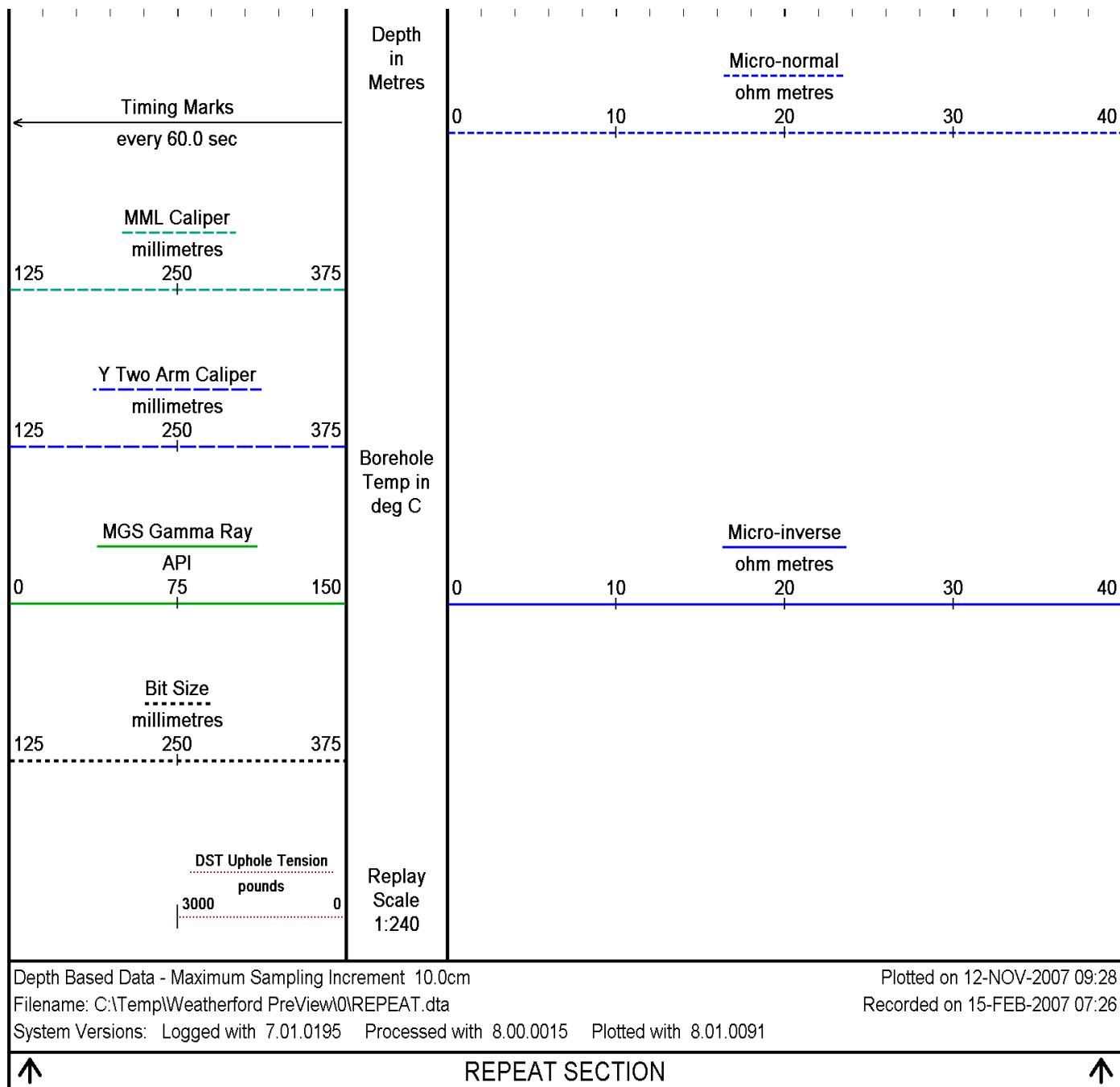
1430

1440

1450

1456





BEFORE SURVEY CALIBRATION

C:\Temp\Weatherford PreView\0\REPEAT.dta

General Constants All 000

Last Edited on 15-FEB-2007,06:48

General Parameters

Mud Resistivity	1.180	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 Caliper 1	Density Caliper	
HVOL Caliper 2	Y Two Arm Caliper	
Annular Volume Diameter	139.700	mm
Caliper for Differential Caliper	Densitv Caliper	

Rwa Parameters			
Porosity used	Base Density	Porosity	
Resistivity used	Deep Induction		
RWA Constant A		0.610	
RWA Constant M		2.150	
High Resolution Temperature Calibration MCG 159			
	Measured	Calibrated(Deg C)	Field Calibration on 28-NOV-2006,15:40
Lower	10.00	10.00	
Upper	50.00	50.00	
High Resolution Temperature Constants MCG 159			
			Last Edited on 28-NOV-2006,15:40
Pre-filter Length	11		
Caliper Calibration MTC 006			Base Calibration on 25-JAN-2007,18:14
			Field Calibration on 10-FEB-2007,20:21
Base Calibration			
Reading No	Measured	Calibrator Size (mm)	
1	14734	110.00	
2	17539	162.00	
3	20248	212.00	
4	22990	262.00	
5	25897	311.00	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (mm)	Actual Caliper (mm)	
	208.70	205.70	
Gamma Calibration MGS 010			
	Measured	Calibrated (API)	Field Calibration on 7-FEB-2007,09:09
Background	48	31	
Calibrator (Gross)	1256	825	
Calibrator (Net)	1208	794	
Gamma Constants MGS 010			
			Last Edited on 15-FEB-2007,06:48
Gamma Calibrator Number	grcc075		
Mud Density	1060.00	kg/m3	
Caliper Source for Processing	Density Caliper		
Tool Position	Centred		
Concentration of KCl	0.00	kppm	
Micro Normal and Micro Inverse Calibration MML 015			
			Base Calibration on 25-JAN-2007,17:08
			Field Check on 12-FEB-2007 04:00
Base Calibration			
	Measured	Calibrated (ohm-m)	
Channel	Resistor 1 Resistor 2	Resistor 1 Resistor 2	
Micro Normal	9.9 48.5	5.1 25.6	
Micro Inverse	9.9 48.7	3.4 16.9	
Channel	Base Check (ohm-m)	Field Check (ohm-m)	
Micro Normal	79.8	0.0	
Micro Inverse	52.6	0.0	
Micro Normal and Micro Inverse Constants MML 015			
			Last Edited on 15-FEB-2007,04:52
Micro Normal K Factor	0.5110		
Micro Inverse K Factor	0.3380		
Standoff Offset	N/A	millimetres	

DOWNHOLE EQUIPMENT

C:\Temp\Weatherford PreView\0\REPEAT.dta

Compact Gamma
MCG 159 Length: 2.65 m

Weight: 63.9 lb

20.78 m

GRGC - Gamma Ray

19.90 m

CGXT - MCG External Temperature

Compact Focused Electric
MFE 17 Length: 1.84 m

Weight: 48.5 lb

18.79 m

FEFE - Shallow FE

Compact Two Arm Caliper
MTC 6 Length: 2.17 m

Weight: 61.7 lb

16.33 m

CLYC - Y Two Arm Caliper

Compact Short Gamma
MGS 10 Length: 1.04 m

Weight: 24.3 lb

15.46 m

GRGM - MGS Gamma Ray

Compact InterSonde Crank
ISC 159 Length: 0.70 m

Weight: 24.3 lb

Compact Micro-log
MML 15 Length: 2.43 m

Weight: 81.6 lb

12.10 m

MINV - Micro-inverse

12.10 m

MNRL - Micro-normal

12.10 m

MLTC - MML Caliper

Compact Neutron
MDN 144 Length: 1.53 m

Weight: 50.7 lb

10.64 m

NPRL - Limestone Neutron Por.

Compact Density/Caliper
MPD 36 Length: 2.92 m

Weight: 90.4 lb

8.06 m

AVOL - Annular Volume

8.06 m

HVOL - Hole Volume

8.06 m

CLDC - Density Caliper

7.85 m

DPRL - Limestone Density Por.

7.85 m

DCOR - Density Correction

7.83 m

PDPE - PE

Compact Sonic
MSS 60 Length: 3.82 m

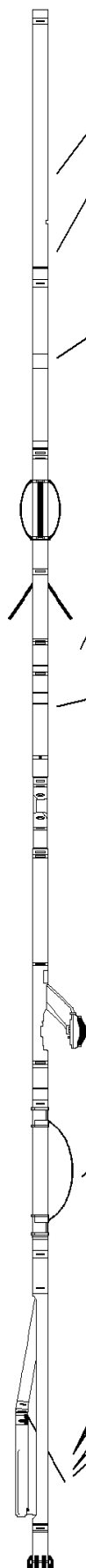
Weight: 72.8 lb

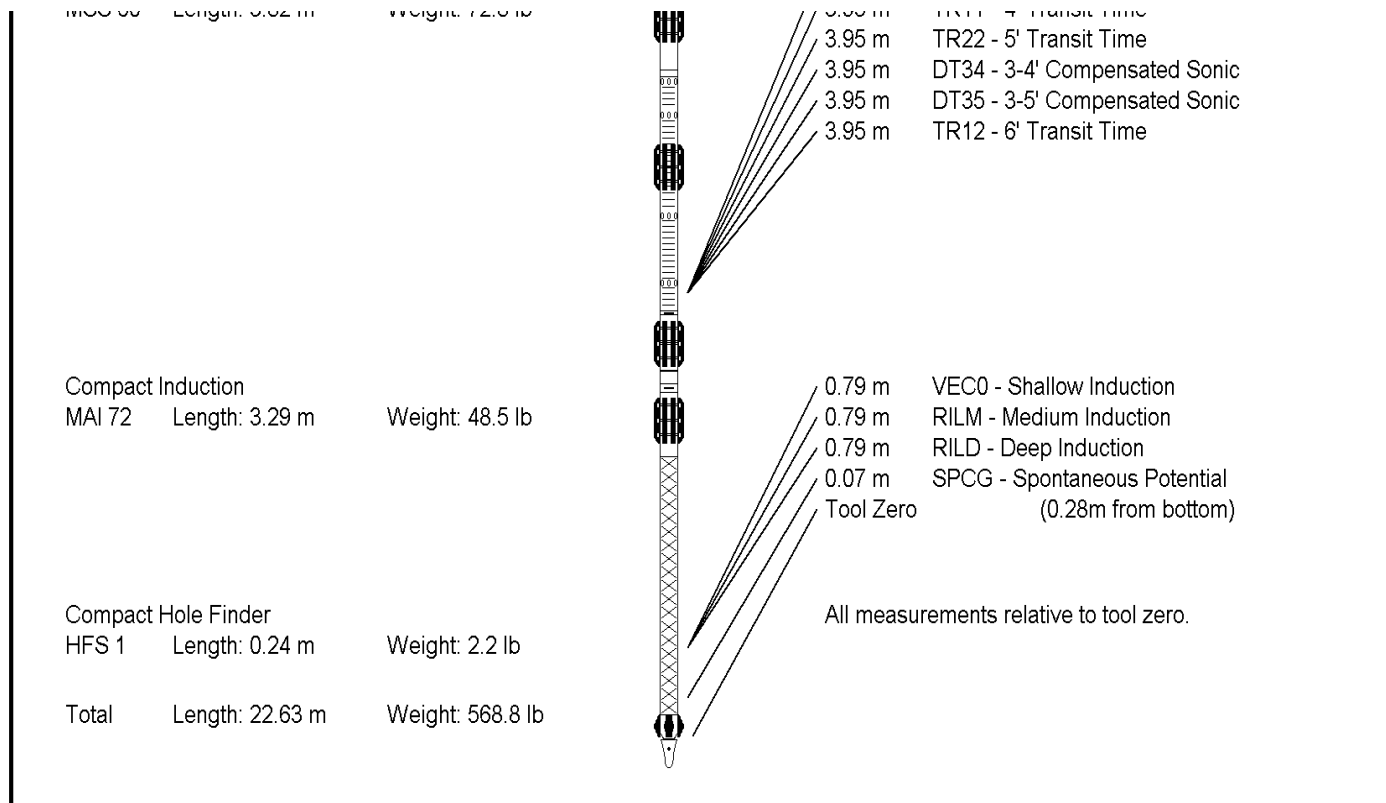
3.95 m

TR21 - 3' Transit Time

3.95 m

TR11 - 1' Transit Time





COMPANY	PARAMOUNT RESOURCES LTD.				
WELL	PARAMOUNT ET AL CAMERON J-04				
FIELD	CAMERON HILLS				
PROVINCE/COUNTY	NORTH WEST TERRITORIES				
COUNTRY/STATE	CANADA				
Elevation Kelly Bushing	769.20	metres	First Reading		metre
Elevation Drill Floor		metres	Depth Driller	1449.00	metres
Elevation Ground Level	765.20	metres	Depth Logger	1449.50	metres



Weatherford[®]

MICROLOG