

MICROLOG

COMPANY			PARAMOUNT RESOURCES LTD		
WELL			PARA ET AL CAMERON E-72		
FIELD			CAMERON HILLS		
PROVINCE/COUNTY			NORTHWEST TERRITORIES		
COUNTRY/STATE			CANADA		
LOCATION			300/E-72-60-10-117-15/00		
			FIELD PRINT		
LSD	SEC	TWP	RGE	Other Services	
				COMPENSATED SONIC	
API Number				ARRAY INDUCTION	
Permit Number 2048				PHOTO DENSITY	
Permanent Datum GROUND LEVEL, Elevation 729.00 metres				DUAL SPACED NEUTRON	
Log Measured From K.B., 5.40M above Permanent Datum				Elevations:	
Drilling Measured From KELLY BUSHING				KB	metres
				DF	734.40
				GL	729.00
Date	02-MAR-2007				
Run Number	1				
Depth Driller	1408.00	metres			
Depth Logger	1406.30	metres			
First Reading	1393.70	metre			
Last Reading	434.00	metre			
Casing Driller	435.00	metres			
Casing Logger	434.00	metres			
Bit Size	200.00	mm			
Hole Fluid Type	GELCHEM				
Density / Viscosity	1120.0kg/M3	65.00 sec/L			
PH / Fluid Loss	10.50	12.00 ml/30Min			
Sample Source	FLOWLINE				
Rm @ Measured Temp	1.25 @ 25.0	ohm-m			
Rmf @ Measured Temp	0.95 @ 25.0	ohm-m			
Rmc @ Measured Temp	1.43 @ 25.0	ohm-m			
Source Rmf / Rmc	PRESS	FILTER			
Rm @ BHT	0.85 @ 46.0	ohm-m			
Time Since Circulation	7.0 HRS				
Max Recorded Temp	46.00	deg C			
Equipment Name	13131				
Equipment / Base	QUINT	GPR			
Recorded By	ADAM SMITH				
Witnessed By	BRAD POWELL				
CIRC STOP	09:45 MAR-02				
Last Line					

BOREHOLE RECORD

Last Edited: 2-MAR-2007 13:39

Bit Size millimetres	Depth From metres	Depth To metres
311.000	0.00	435.00
200.000	435.00	1408.00

CASING RECORD

Type	Size millimetres	Depth From metres	Shoe Depth metres	Weight pounds/ft
SURFACE	219.100	0.00	435.00	24.00

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
MTC: ONE SIX LEAF CENTRALIZER

6) RIG: PD #220

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

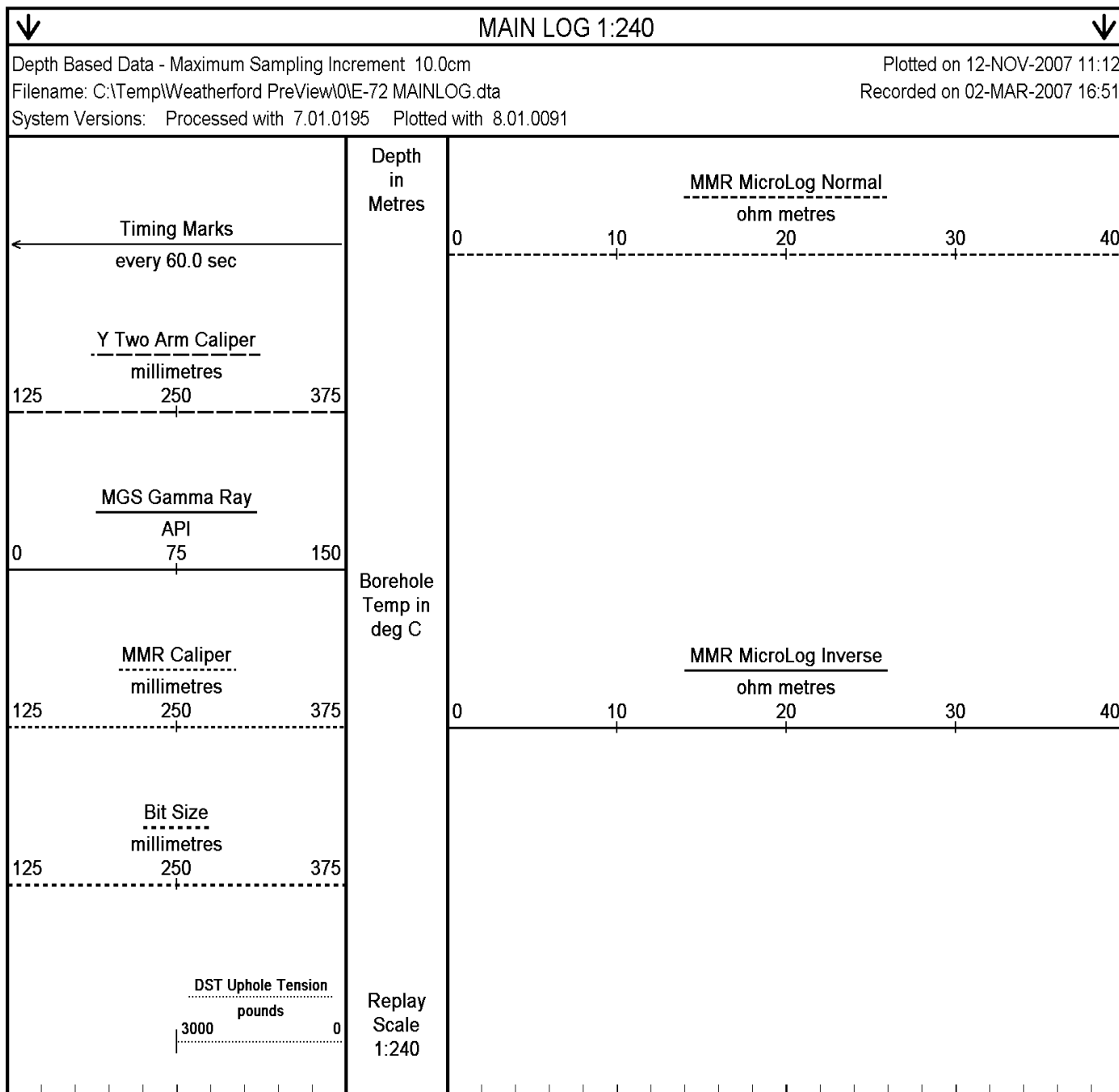
OPEN HOLE VOLUME = 36.8 CU.M.

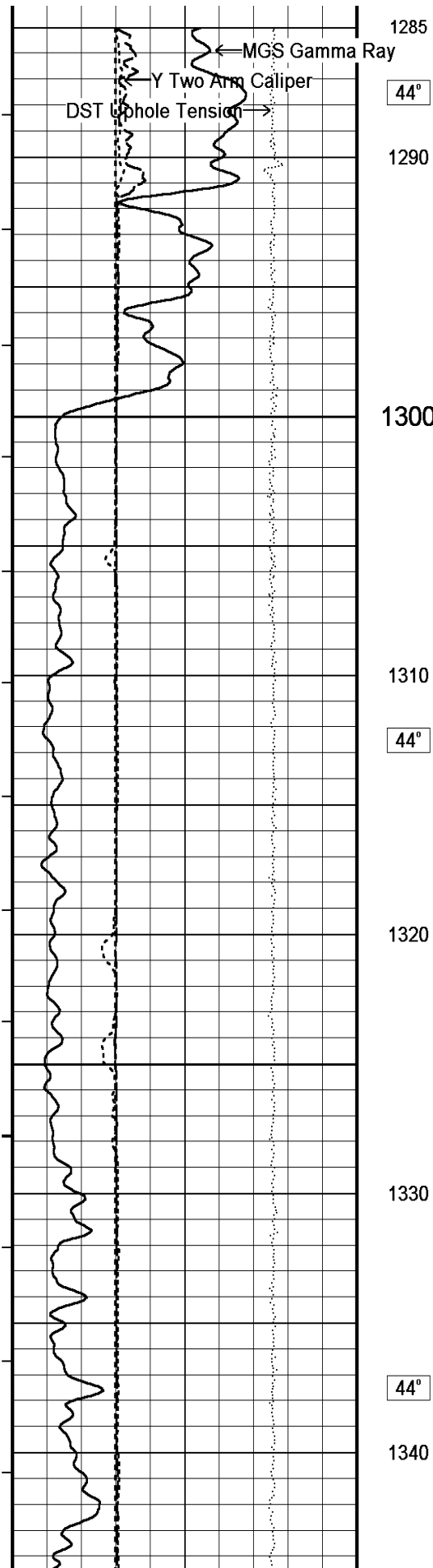
ANNULAR VOLUME USING 139.7 MM PRODUCTION CASING = 22.0 CU.M

8) AREAS OF BOREHOLE RUGOSITY MAY CAUSE POOR DENSITY PAD CONTACT AND THUS HIGH DENSITY CORRECTION.
DENSITY POROSITY DATA MAY BE SKEWED AT THOSE INTERVALS.

9) ADDITIONAL PASS MADE TO IMPROVE SONIC OVERLAY. DATA LOOKS GOOD BUT IS A LITTLE NOISY IN SOME SECTIONS.
ADDITIONAL REPEAT SHOWN TO FURTHER VERIFY RESPONSE.

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.





1285

44°

1290

1300

1310

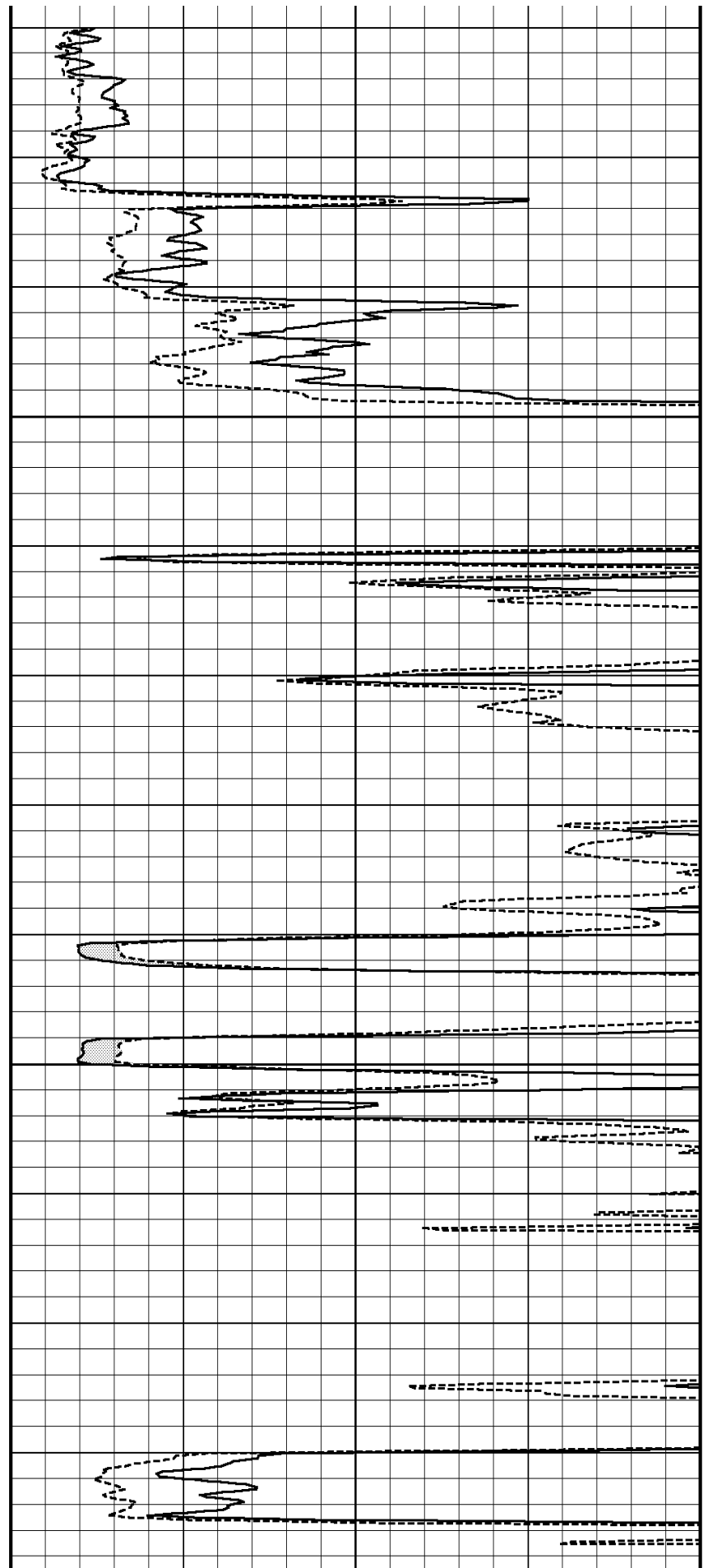
44°

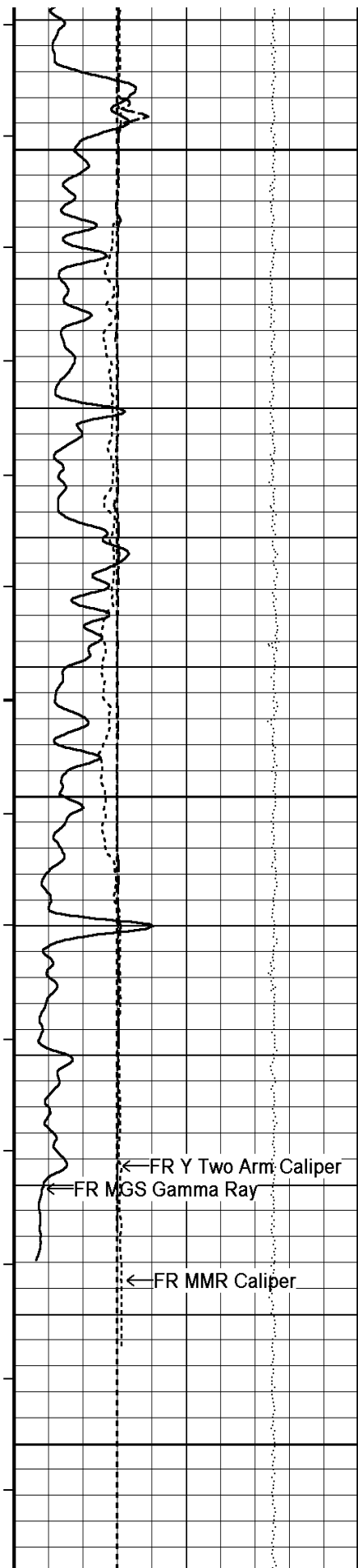
1320

1330

44°

1340





1350

1360

45°

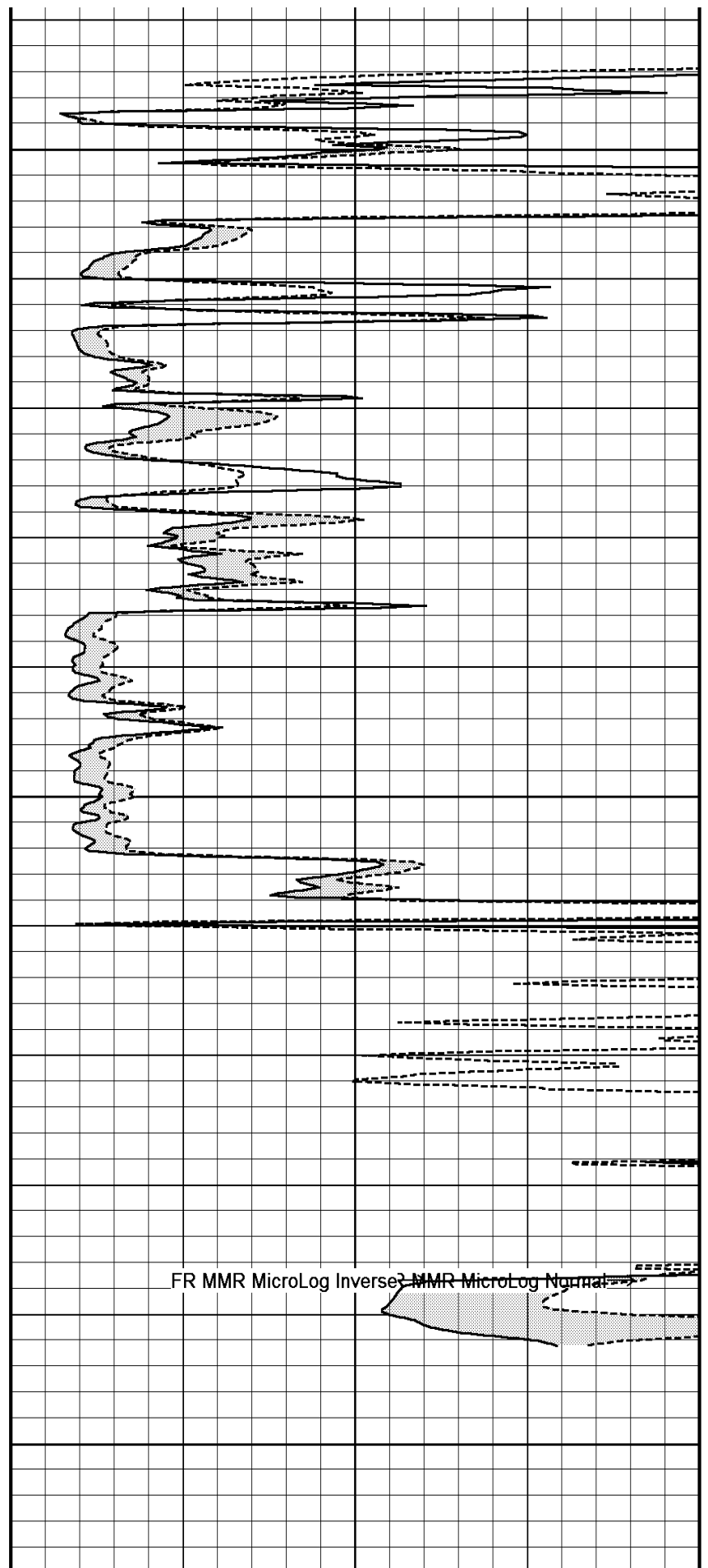
1370

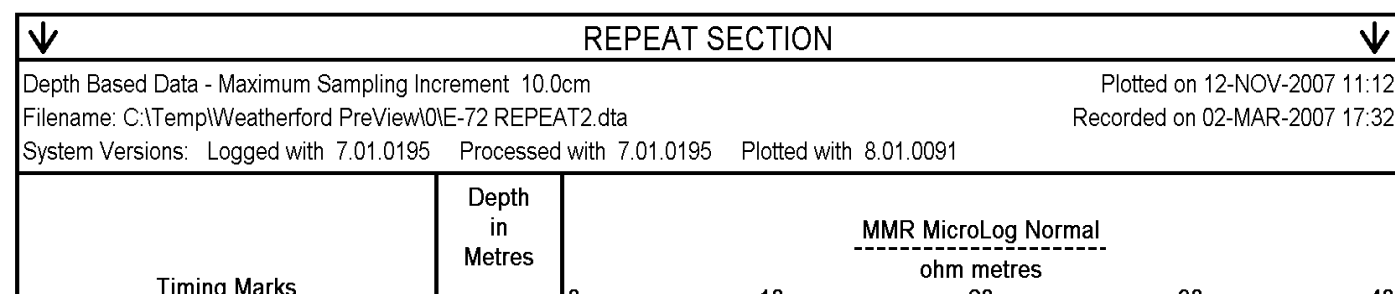
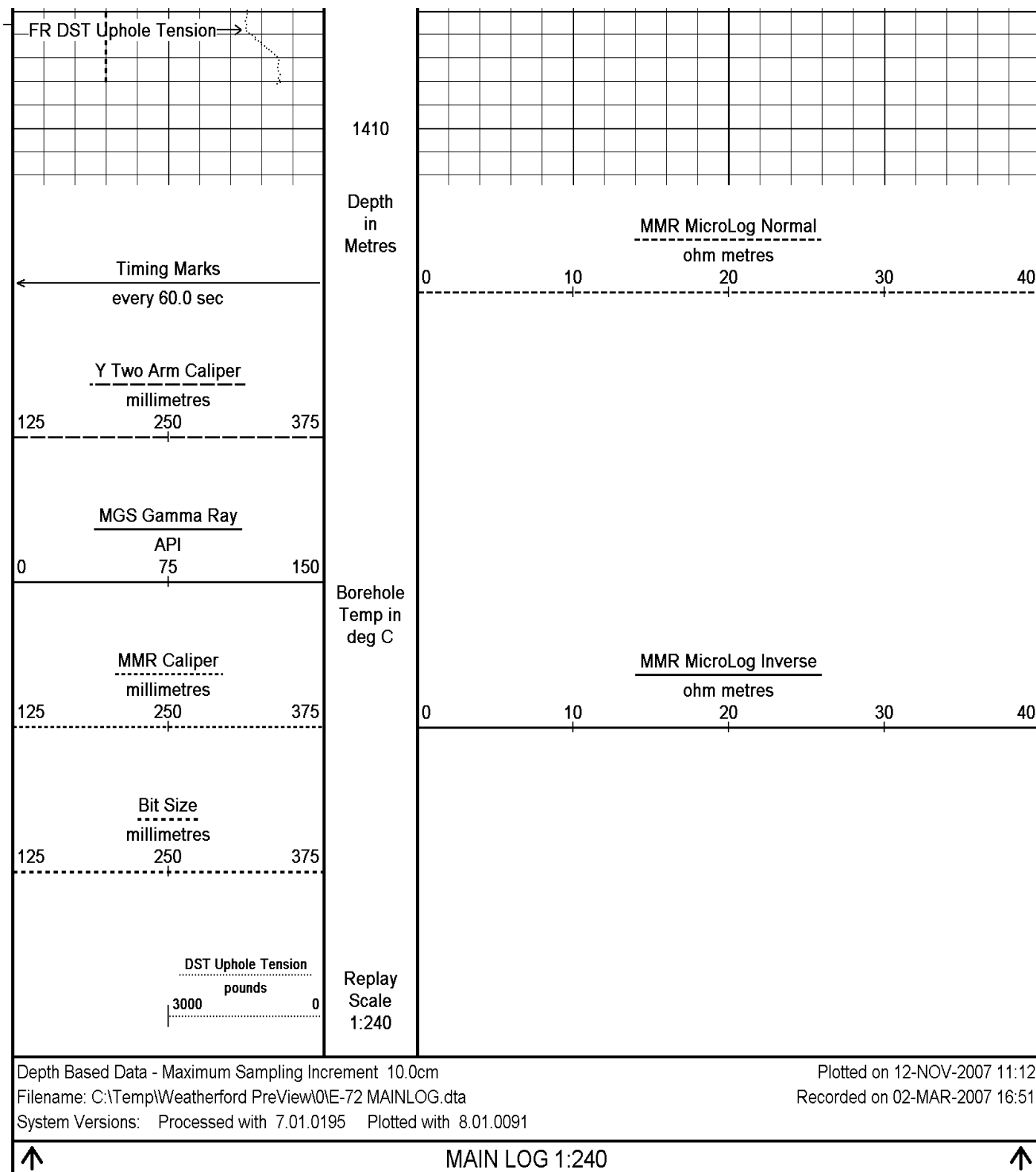
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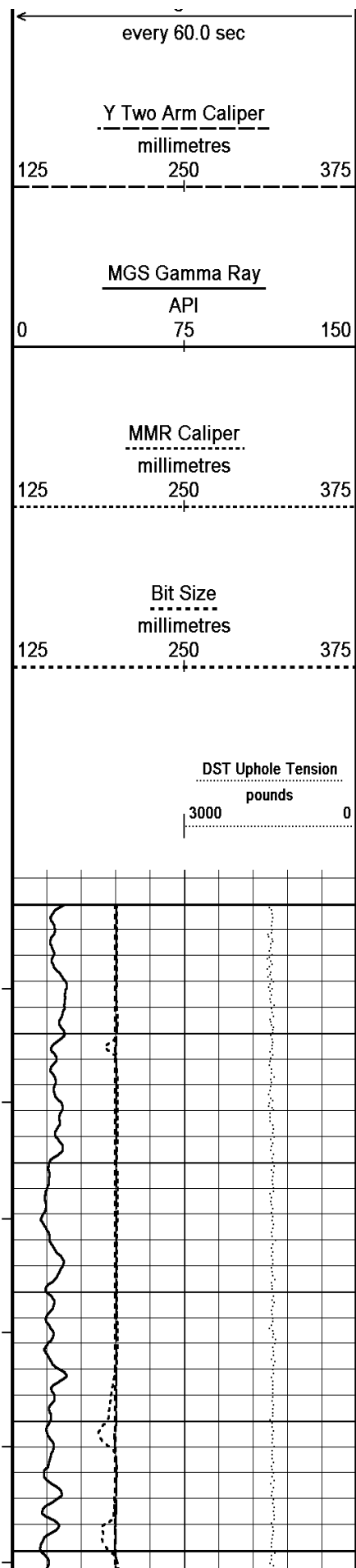
44°

1390

1400







Borehole
Temp in
deg C

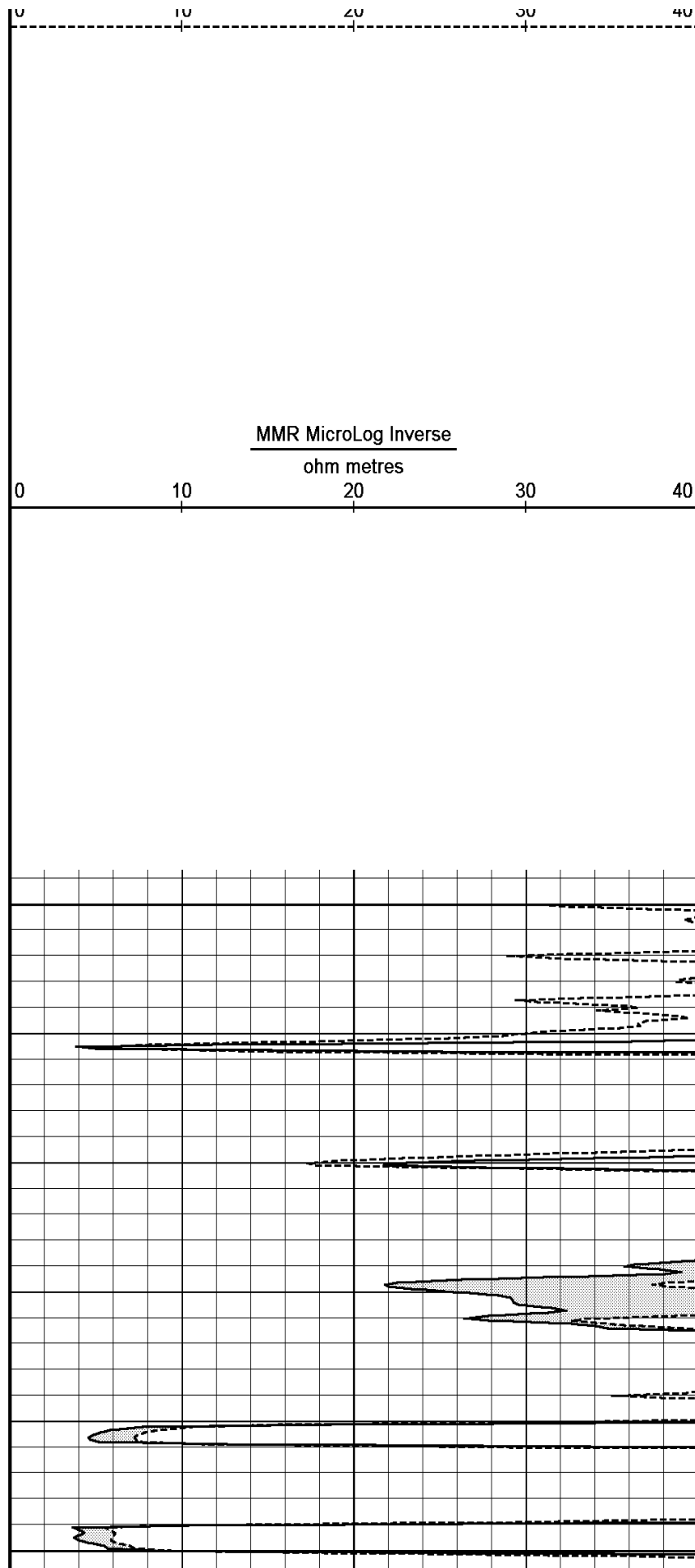
Replay
Scale
1:240

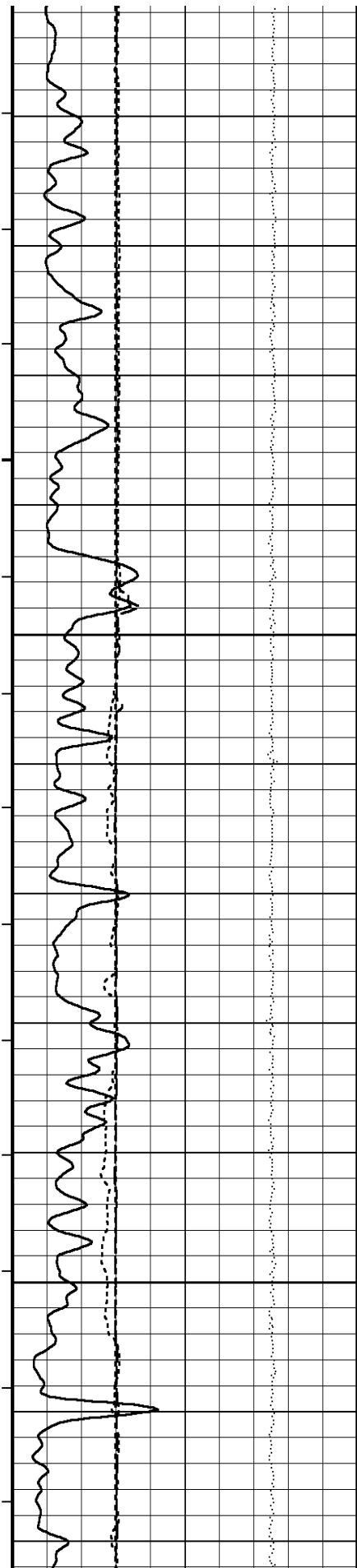
1300

1310

45°

1320





1330

46°

1340

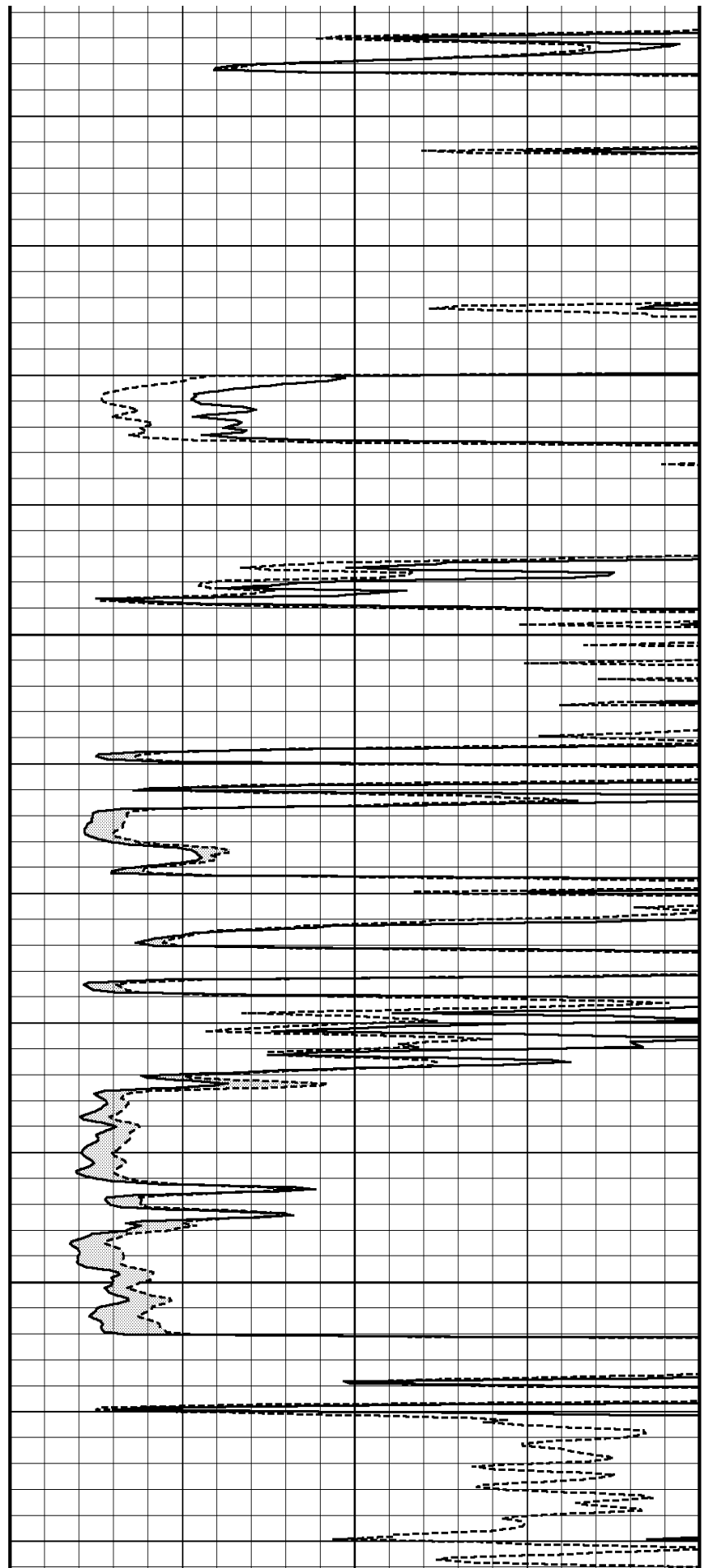
1350

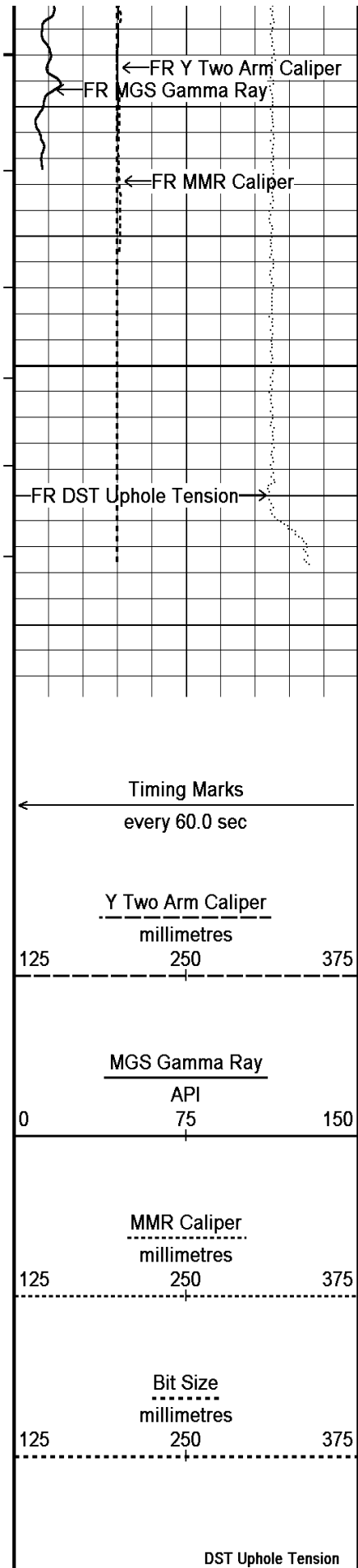
1360

46°

1370

1380





46°

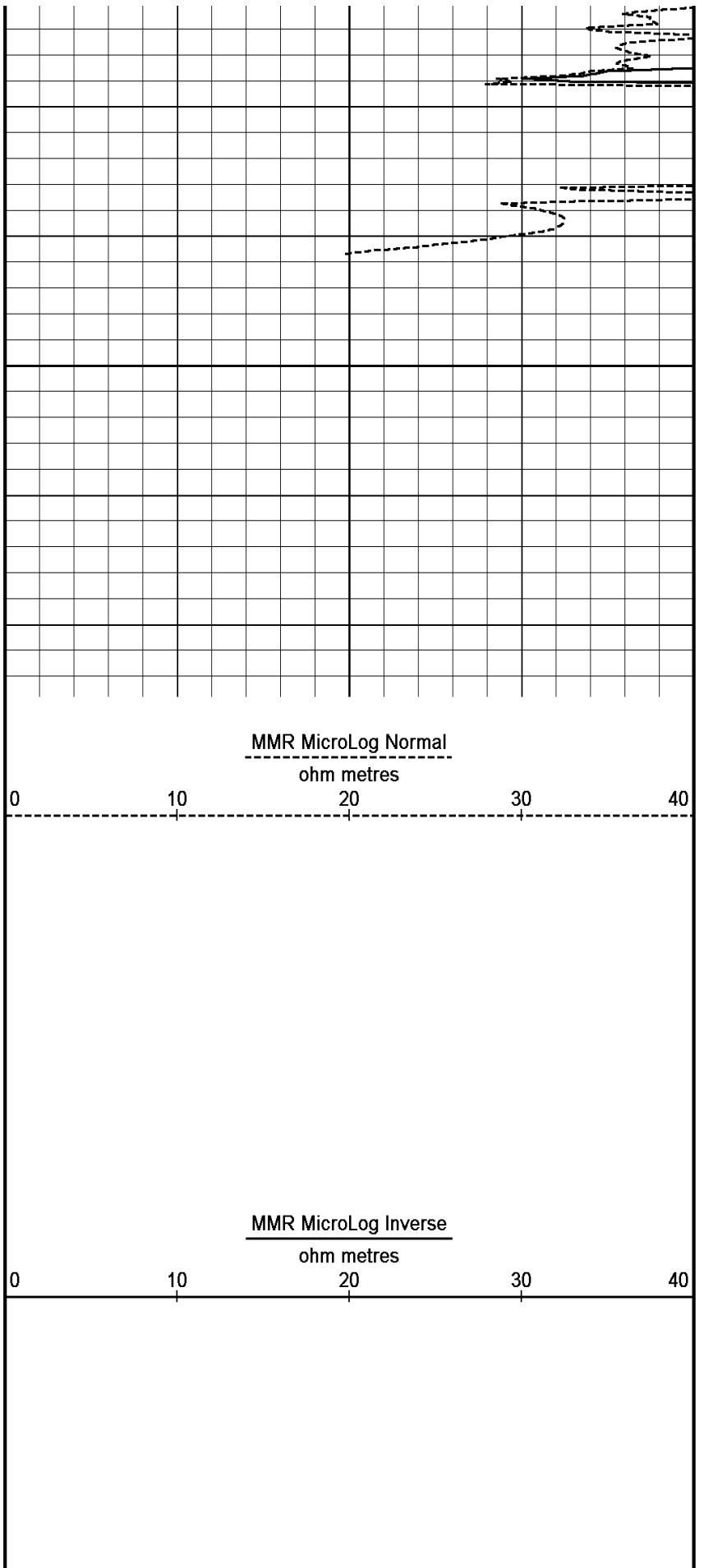
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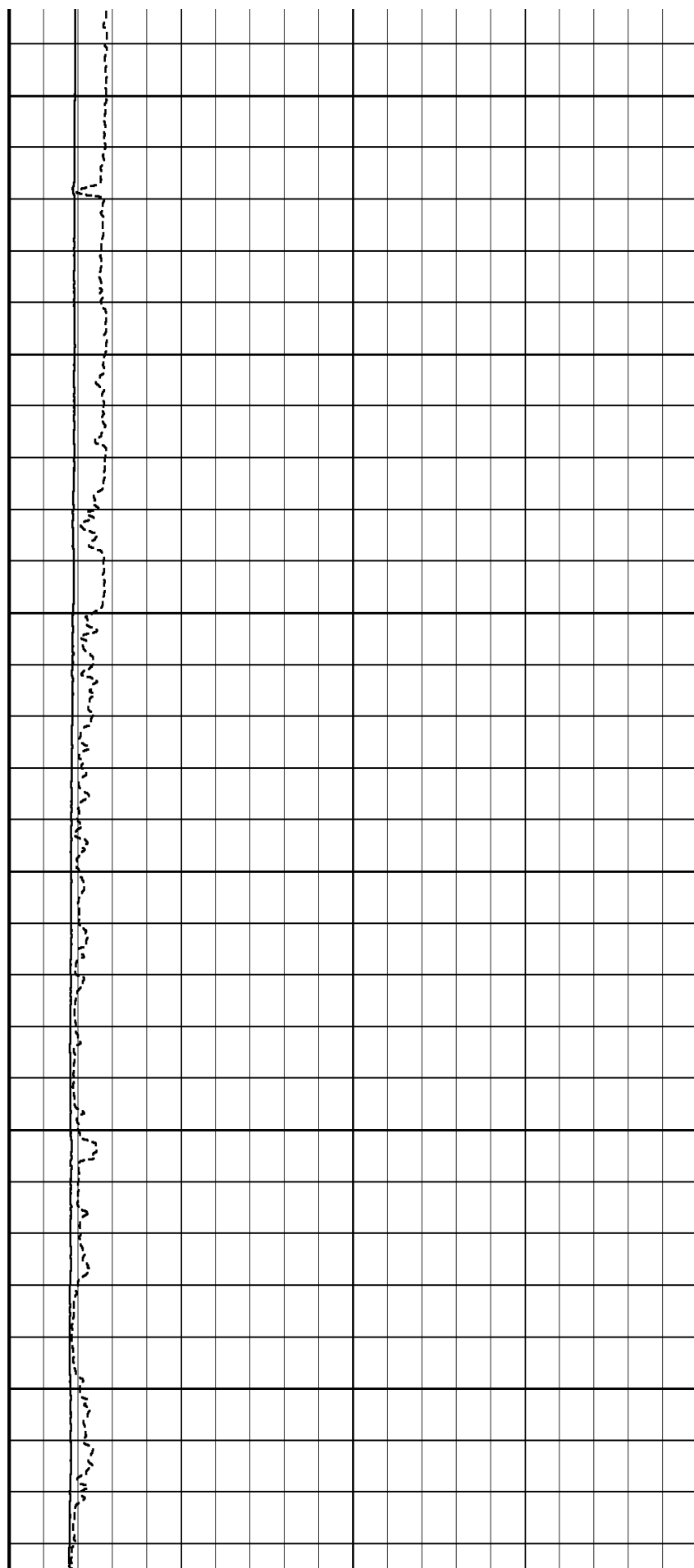
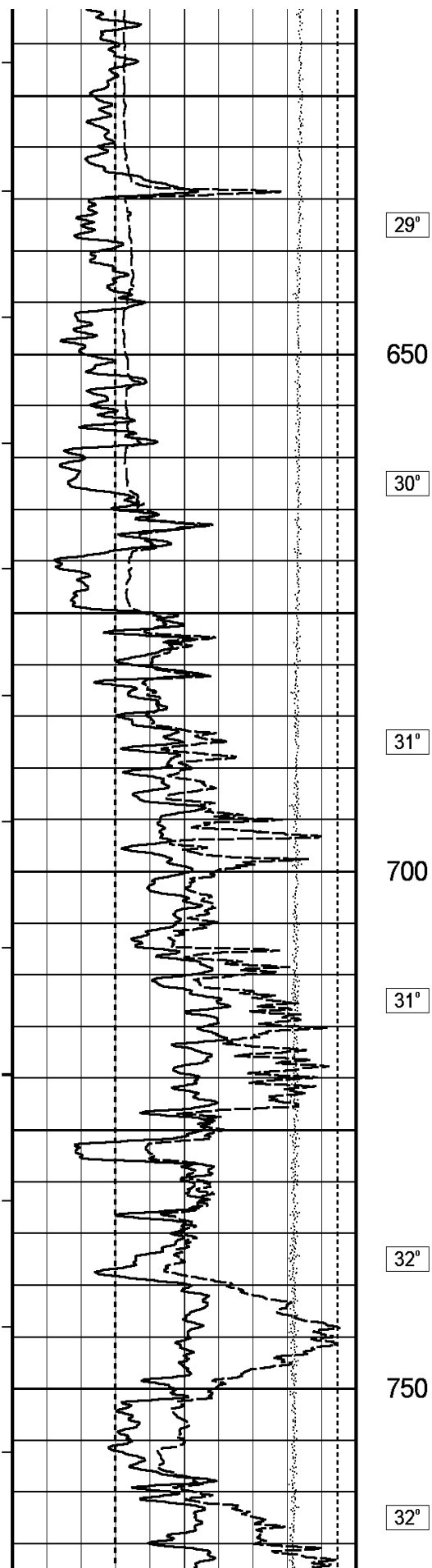
1400

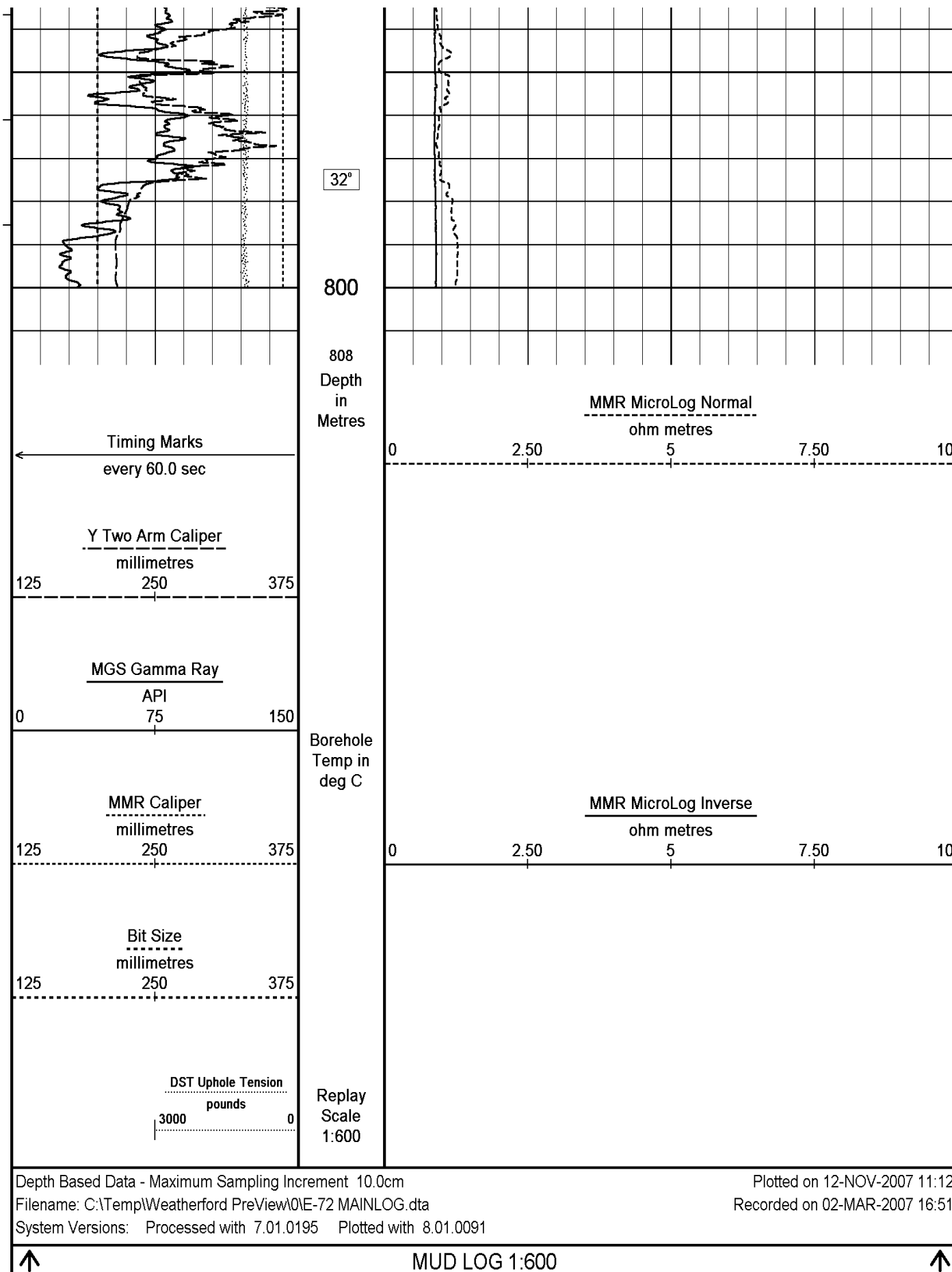
1410

Depth in Metres

Borehole Temp in deg C







BEFORE SURVEY CALIBRATION

C:\Temp\Weatherford PreView\01E-72 REPEAT.dta

General Constants All 000

Last Edited on 2-MAR-2007,16:03

General Parameters

Mud Resistivity	1.250	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	Density 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 173

Field Calibration on 4-FEB-2007,23:25

	Measured	Calibrated(Deg C)
Lower	1.00	1.00
Upper	11.00	11.00

High Resolution Temperature Constants MCG 173

Last Edited on 4-FEB-2007,23:25

Pre-filter Length	11
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Caliper Calibration MTC 037

Base Calibration on 28-FEB-2007 15:42

Field Calibration on 2-MAR-2007,15:53

Base Calibration

Reading No	Measured	Calibrator Size (mm)
1	14092	101.98
2	16789	152.57
3	19549	203.72
4	22409	255.20
5	25210	304.45
6	N/A	N/A

Field Calibration

Measured Caliper (mm)	Actual Caliper (mm)
206.00	206.00

Gamma Calibration MGS 012

Field Calibration on 2-MAR-2007,13:10

	Measured	Calibrated (API)
Background	119	78
Calibrator (Gross)	847	552
Calibrator (Net)	728	474

Gamma Constants MGS 012

Last Edited on 2-MAR-2007,13:09

Gamma Calibrator Number	GRC-107	
Mud Density	1120.00	kg/m3
Caliper Source for Processing	Density Caliper	
Tool Position	Centred	
Concentration of KCl	0.00	kppm

DOWNHOLE EQUIPMENT

C:\Temp\Weatherford PreView\01E-72 REPEAT.dta

Compact Gamma
MCG 173 Length: 2.65 m

Weight: 63.9 lb

20.97 m GRGC - Gamma Ray
20.09 m CGXT - MCG External Temperature

Compact Focused Electric
MFE 123 Length: 1.84 m

Weight: 48.5 lb

18.98 m FEFE - Shallow FE

Compact Two Arm Caliper
MTC 37 Length: 2.17 m

Weight: 61.7 lb

16.52 m CLYC - Y Two Arm Caliper

Compact Short Gamma
MGS 12 Length: 1.04 m

Weight: 24.3 lb

15.65 m GRGM - MGS Gamma Ray

Compact InterSonde Crank
ISC 142 Length: 0.70 m

Weight: 24.3 lb

Compact Micro-Resistivity
MMR 54 Length: 2.62 m

Weight: 81.6 lb

12.10 m MINV - MMR MicroLog Inverse
12.10 m MNRL - MMR MicroLog Normal

Compact Neutron
MDN 127 Length: 1.53 m

Weight: 50.7 lb

10.64 m NPRL - Limestone Neutron Por.

Compact Density/Caliper
MPD 91 Length: 2.92 m

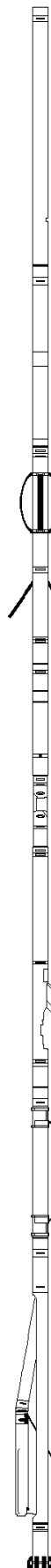
Weight: 90.4 lb

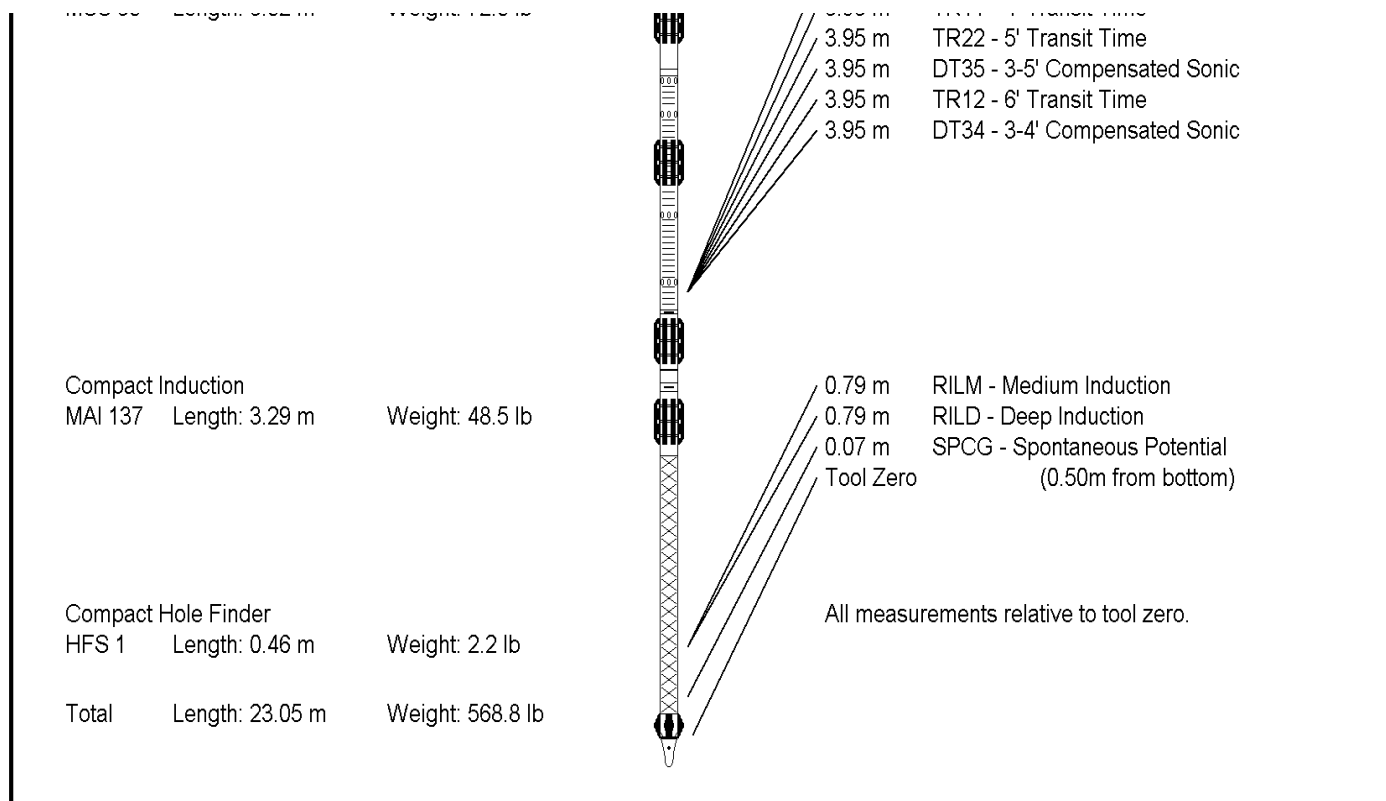
8.06 m CLDC - Density Caliper
7.85 m DPRL - Limestone Density Por.
7.85 m DCOR - Density Correction
7.83 m PDPE - PE

Compact Sonic
MSS 3R Length: 3.82 m

Weight: 72.8 lb

3.95 m TR21 - 3' Transit Time
3.95 m TR11 - 4' Transit Time





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WELL		PARA ET AL CAMERON E-72			
FIELD		CAMERON HILLS			
PROVINCE/COUNTY		NORTHWEST TERRITORIES			
COUNTRY/STATE		CANADA			
Elevation Kelly Bushing	734.40	metres	First Reading	1393.70	metre
Elevation Drill Floor		metres	Depth Driller	1408.00	metres
Elevation Ground Level	729.00	metres	Depth Logger	1406.30	metres




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