



MICRO-RESISTIVITY LOG

COMPANY SAMUEL GARY JR. & ASSOCIATES, INC.
WELL DOME LIVING TRUST ET AL #1-8
FIELD WILDCAT
PROVINCE/COUNTY RUSH
COUNTRY/STATE U.S.A. / KANSAS
LOCATION 1760' FNL & 580' FEL
SW NE SE NE

SEC 8 **TWP** 16S **RGE** 16W **Other Services** MSS
API Number 15-165-21881 **MPD/MDN** MAI/MFE
Permit Number Permanent Datum G.L., Elevation 1930 feet
 Log Measured From K.B. @ 10 FEET above Permanent Datum
 Drilling Measured From K.B.

Date	10-JUN-2010	Elevations:	KB	1940.00
Run Number	ONE	DF	1939.00	
Depth Driller	3600.00	GL	1930.00	
Depth Logger	3593.00			
First Reading	3545.00			
Last Reading	1800.00			
Casing Driller	1083.00			
Casing Logger	1081.00			
Bit Size	7.875			
Hole Fluid Type	CHEMICAL			
Density / Viscosity	9.20 lb/USg		54.00 CP	
PH / Fluid Loss	10.00		8.00 ml/30Min	
Sample Source	FLOWLINE			
Rm @ Measured Temp	0.81 @ 88.0		ohm-m	
Rmf @ Measured Temp	0.65 @ 88.0		ohm-m	
Rmc @ Measured Temp	0.97 @ 88.0		ohm-m	
Source Rmf / Rmc	CALC		CALC	
Rm @ BHT	0.68 @ 105.0		ohm-m	
Time Since Circulation	4 HOURS			
Max Recorded Temp	105.00		deg F	
Equipment Name	COMPACT			
Equipment / Base	13057		LIB	
Recorded By	LYNN SCOTT			
Witnessed By	RODNEY NAPIER			
S.O.# / JOB#	3518961			CLAYTON CAMOZZI
				LB10-136

BOREHOLE RECORD

Last Edited: 10-JUN-2010 21:23

Bit Size inches	Depth From feet	Depth To feet
7.875	1081.00	3593.00

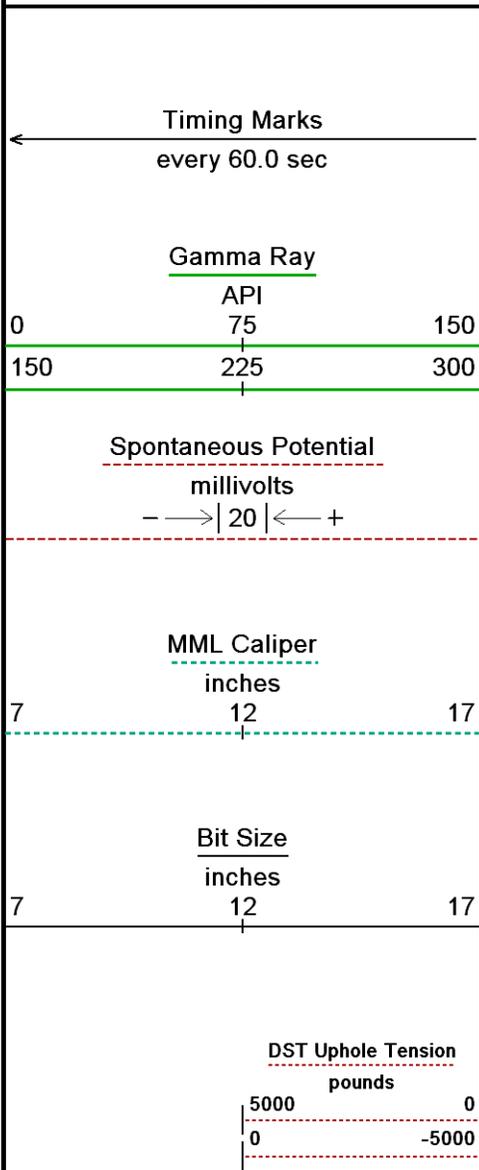
CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1081.00	24.00

REMARKS

Tools Used: MAI, MPD, MCG, MDN, MML, MFE, SKJ, MSS
 Hardware: MPD: 8 inch profile plate. MAI MSS and MFE: 0.5 Inch standoffs used. MDN: Dual Bowspring used.
 2.71 G/CC Limestone density matrix used to calculate porosity.
 Sonic porosity calculated on a Limestone scale (47.5 usec/ft).
 Borehole rugosity, tight pulls, and washouts will affect data quality.
 All intervals logged and scaled per customer's request.
 Annular volume with 5.5 inch production casing= 381cu. ft.
 Service order #3518961
 Rig: Val Rig #6
 Engineer: L. Scott
 Operator(s): B. Reeves, B. Johnson

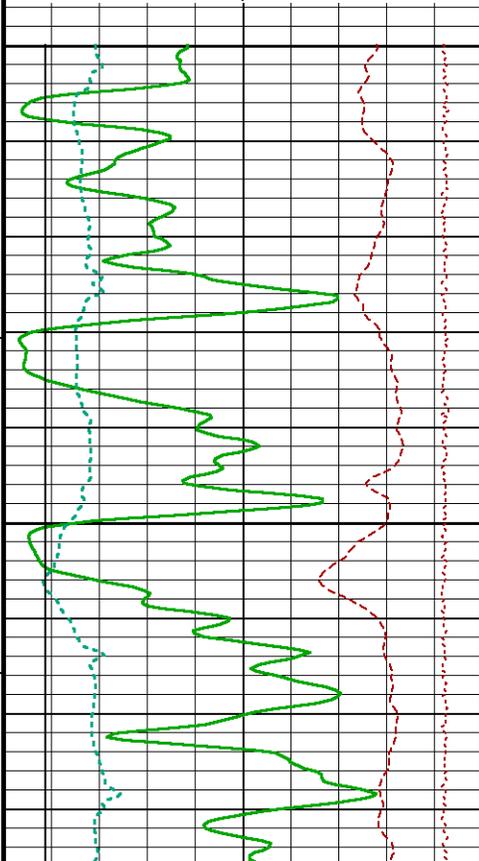
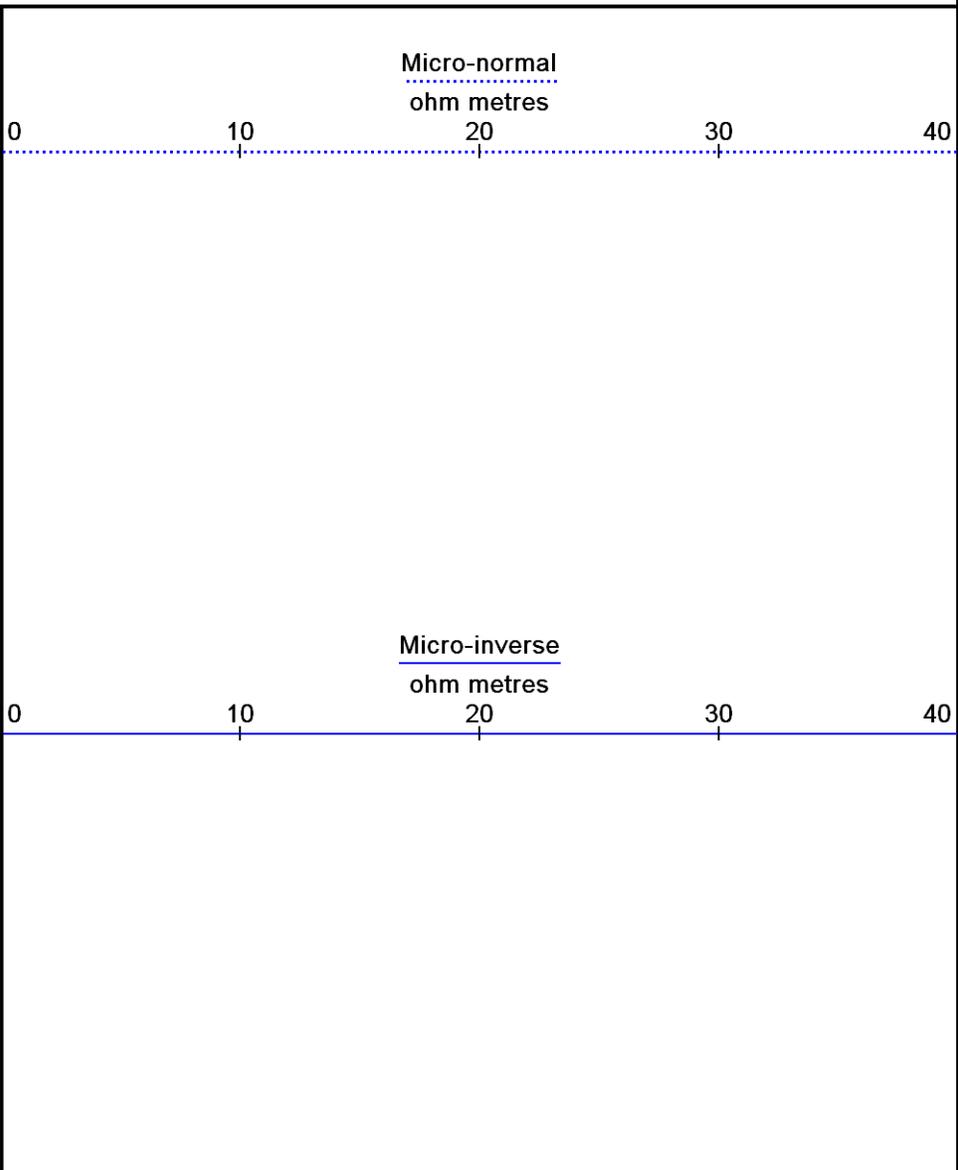
5 Inch Main



Depth in Feet

Borehole Temp in deg F

Replay Scale 1:240

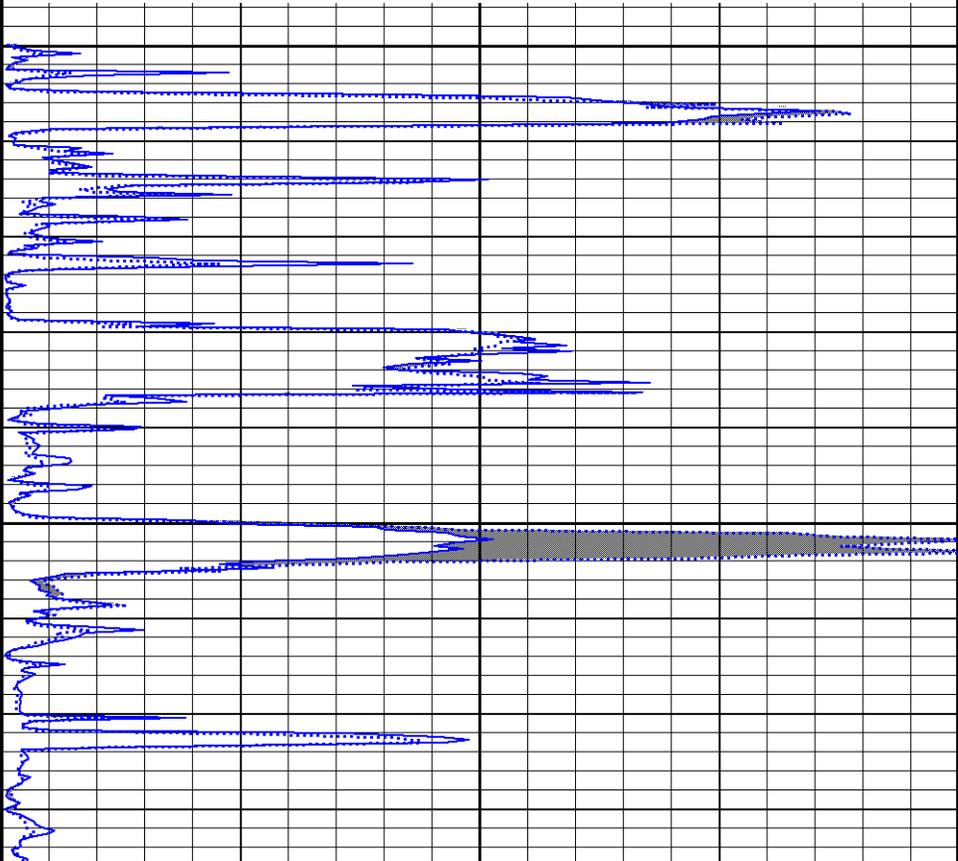


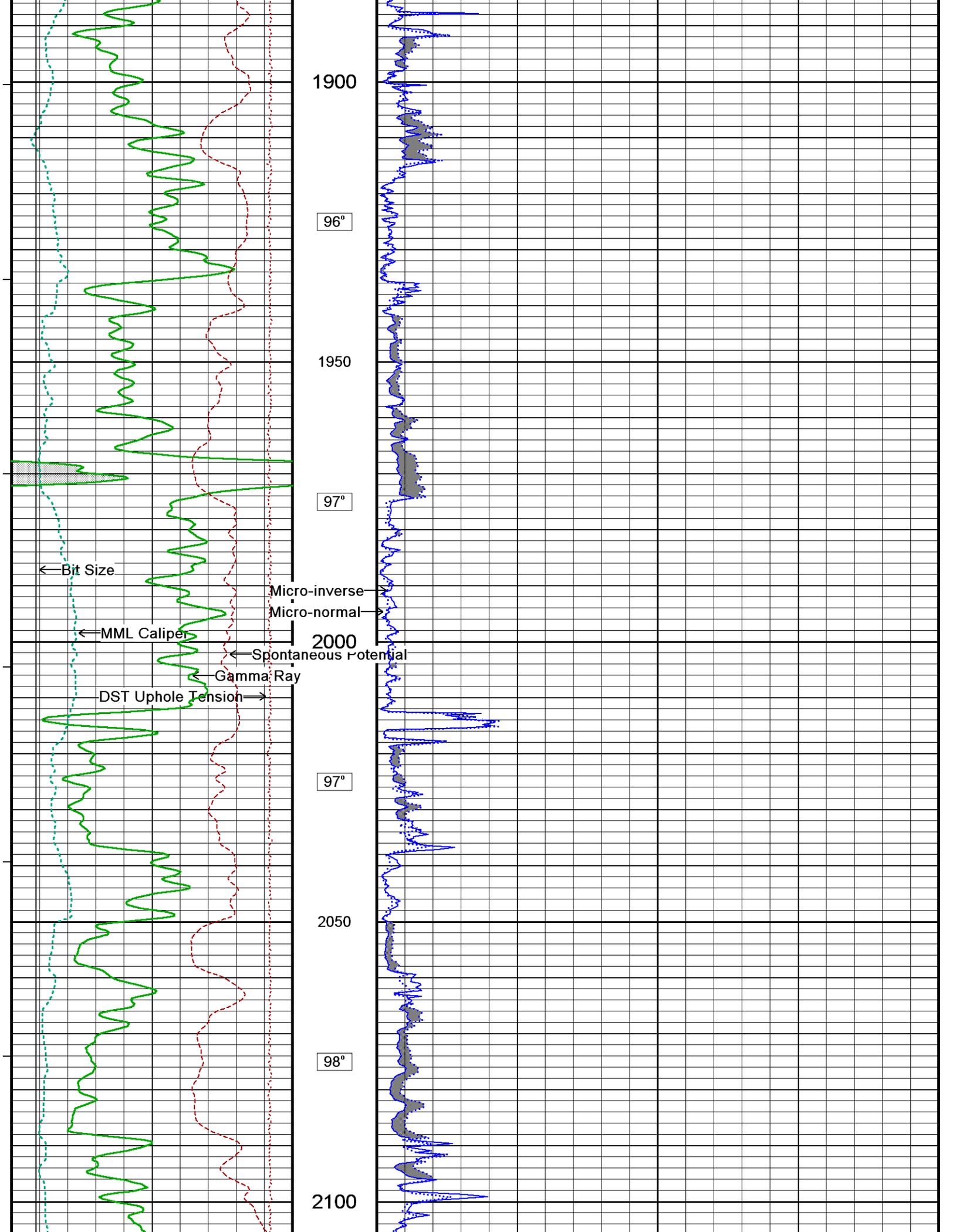
1800

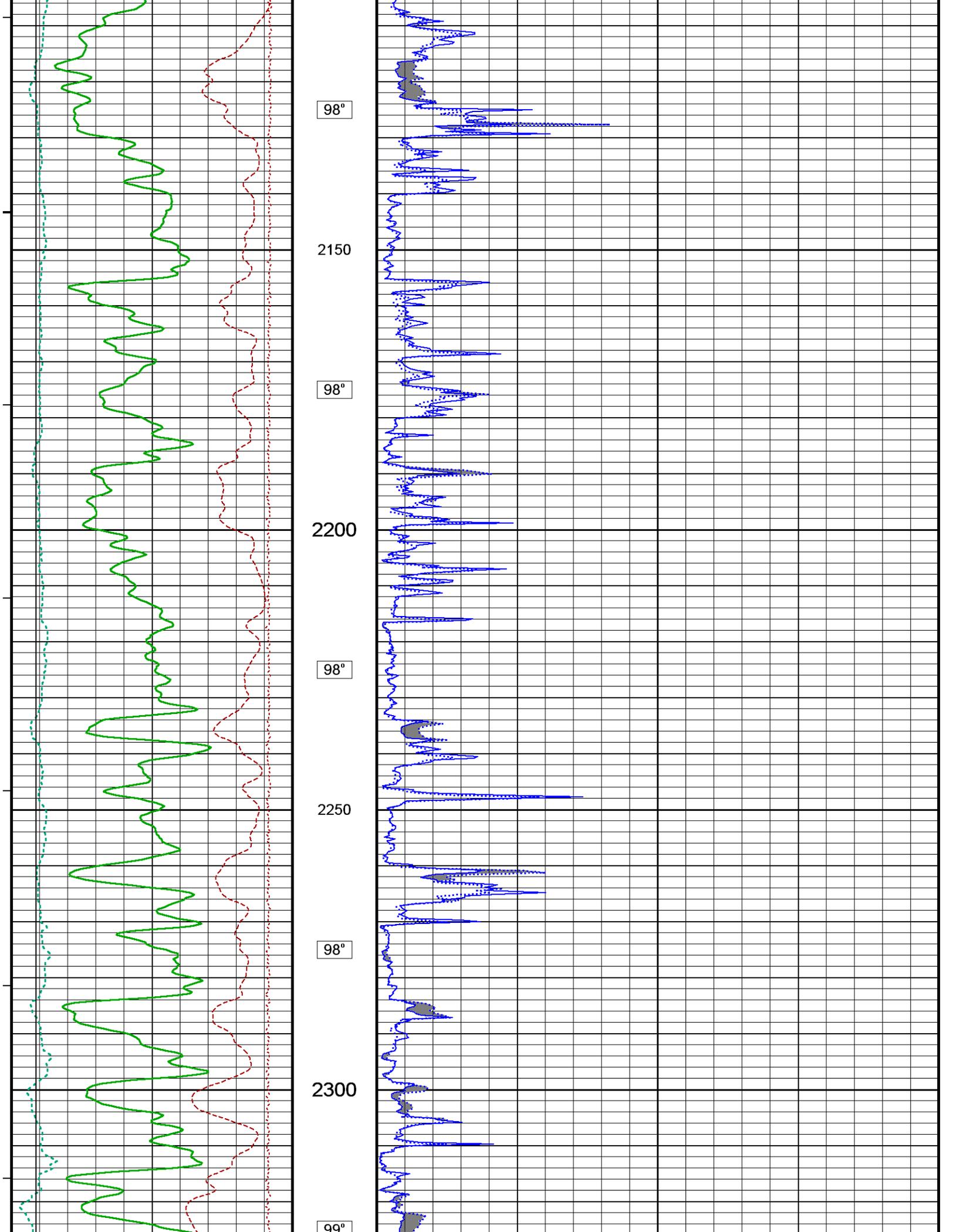
96°

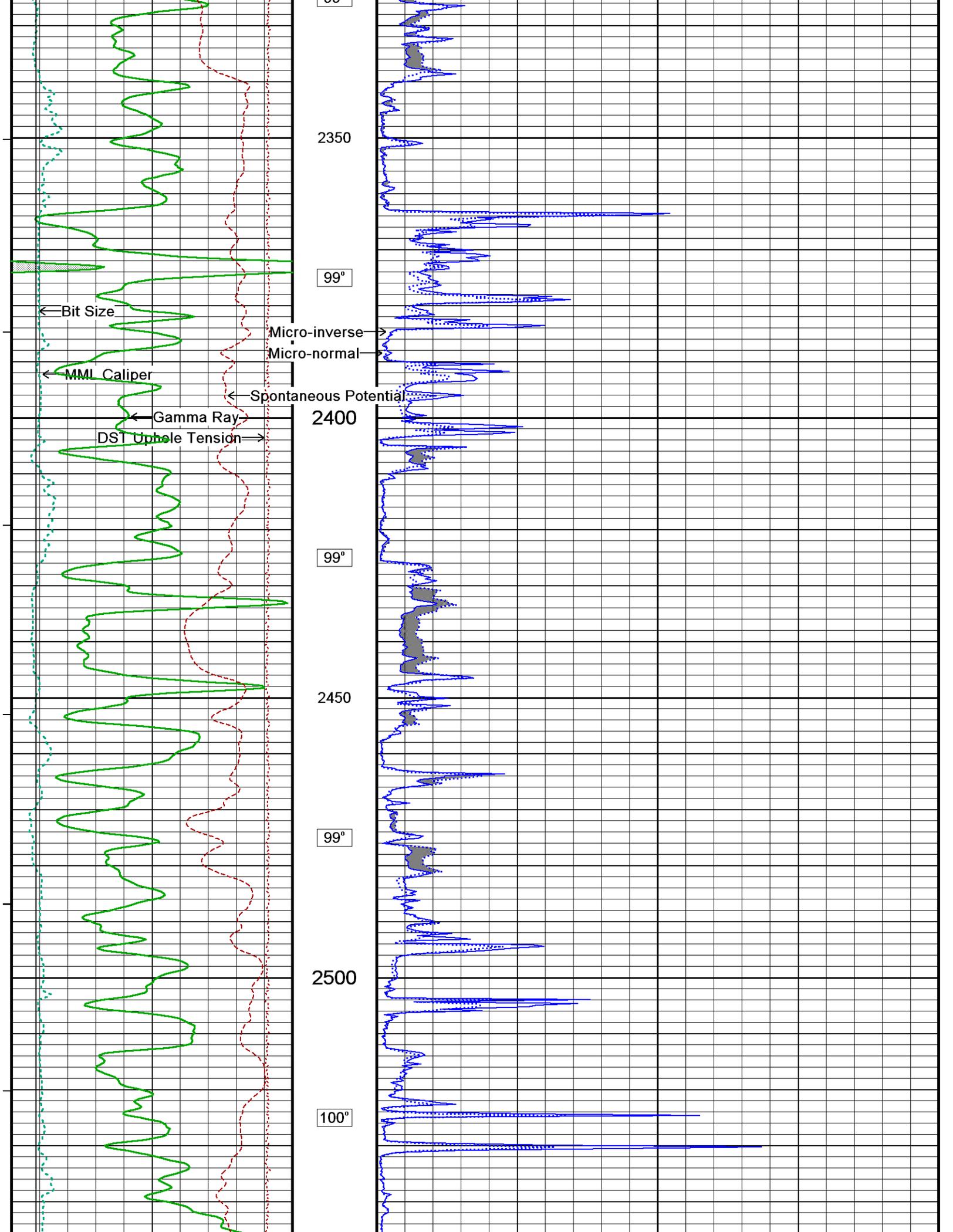
1850

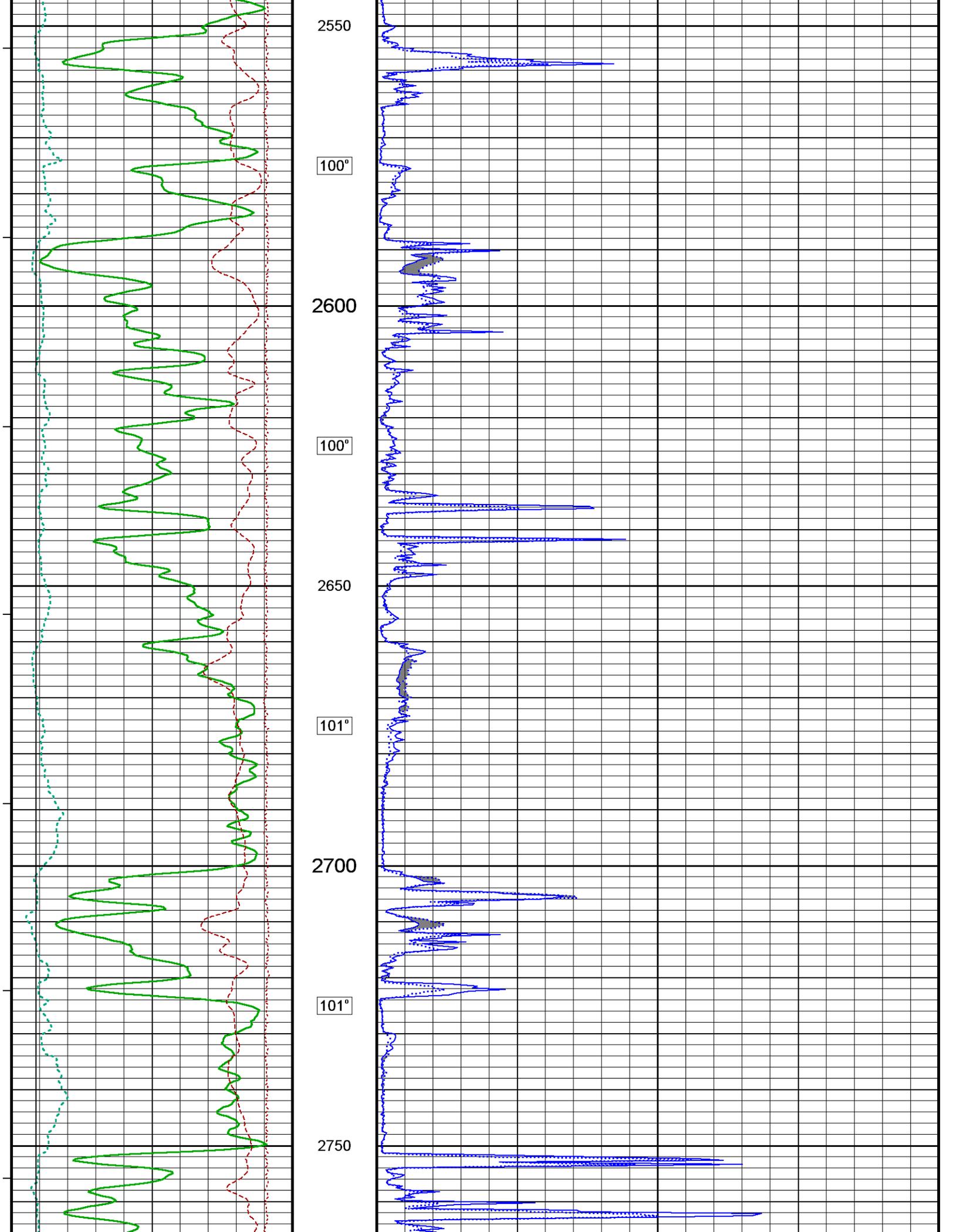
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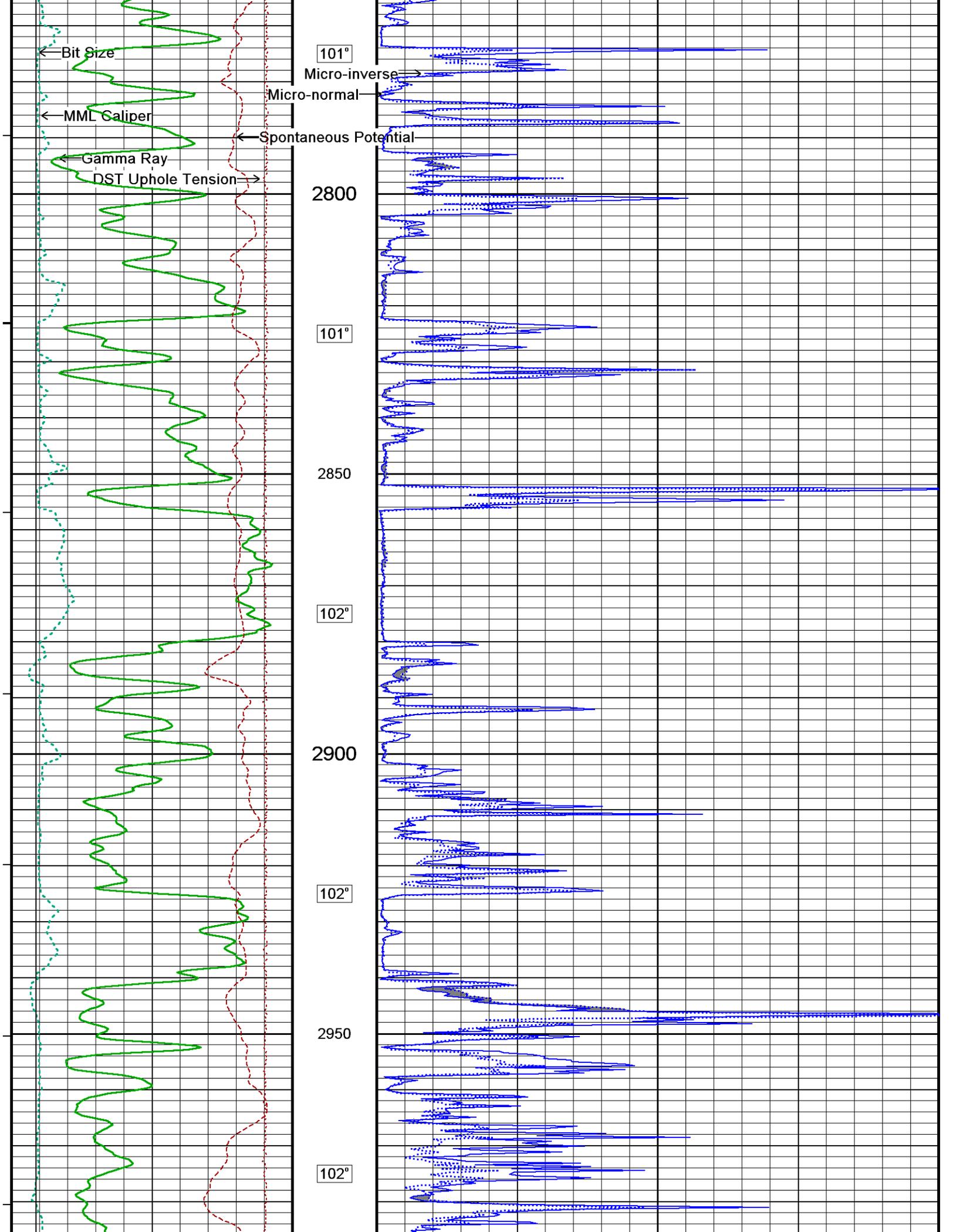












← Bit Size

← MML Caliper

← Gamma Ray
← DST Uphole Tension →

← Spontaneous Potential

101°

Micro-inverse →

Micro-normal

2800

101°

2850

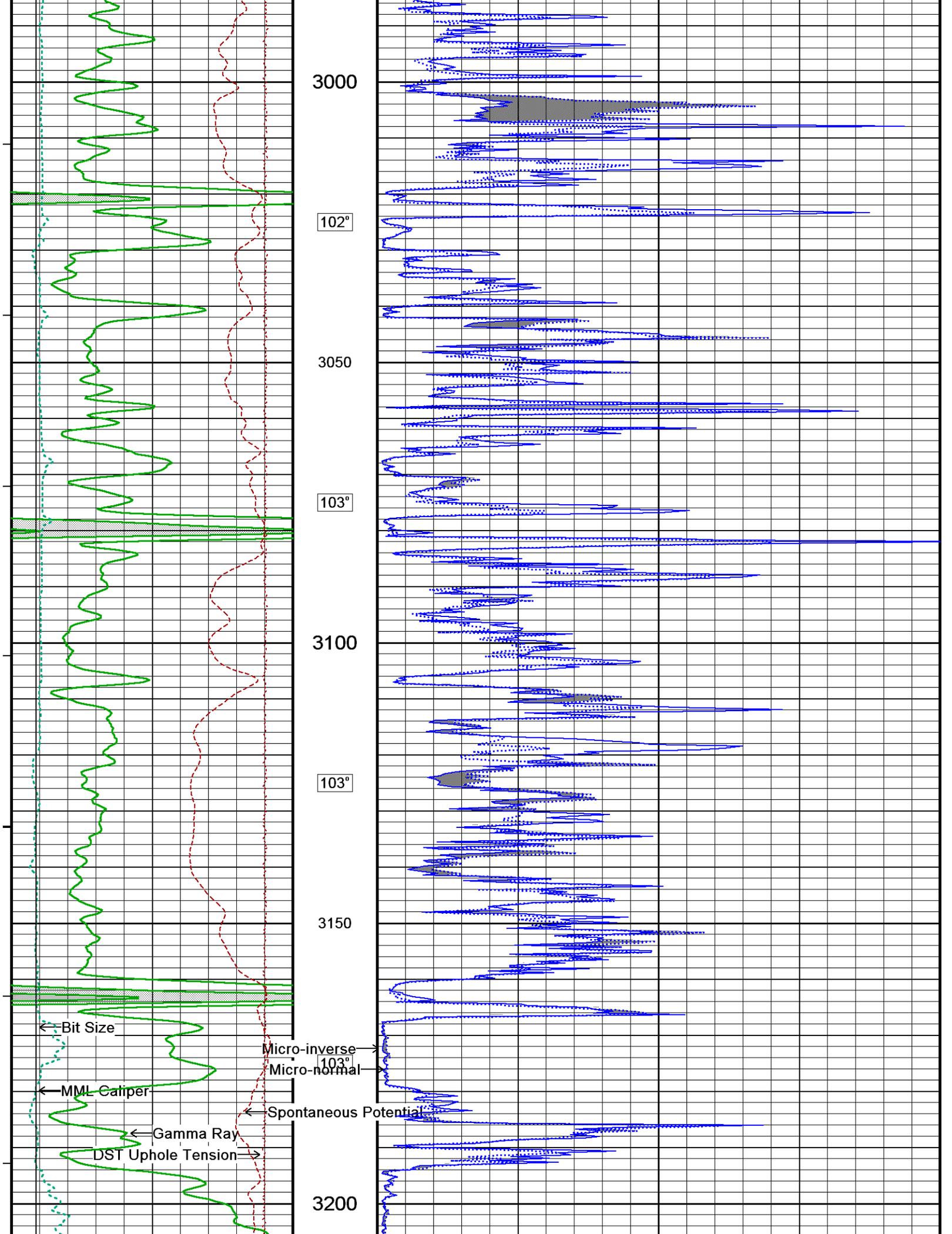
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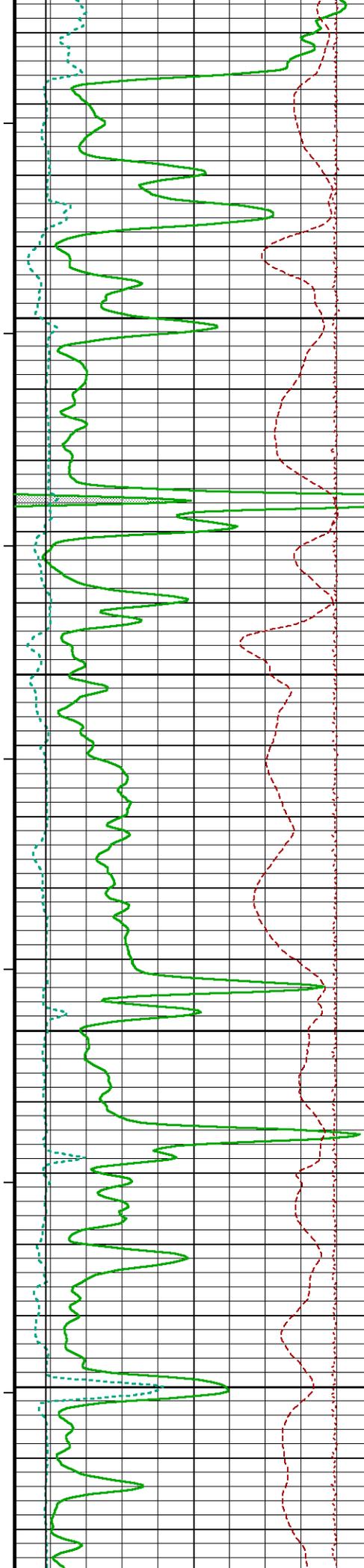
2900

102°

2950

102°





103°

3250

104°

3300

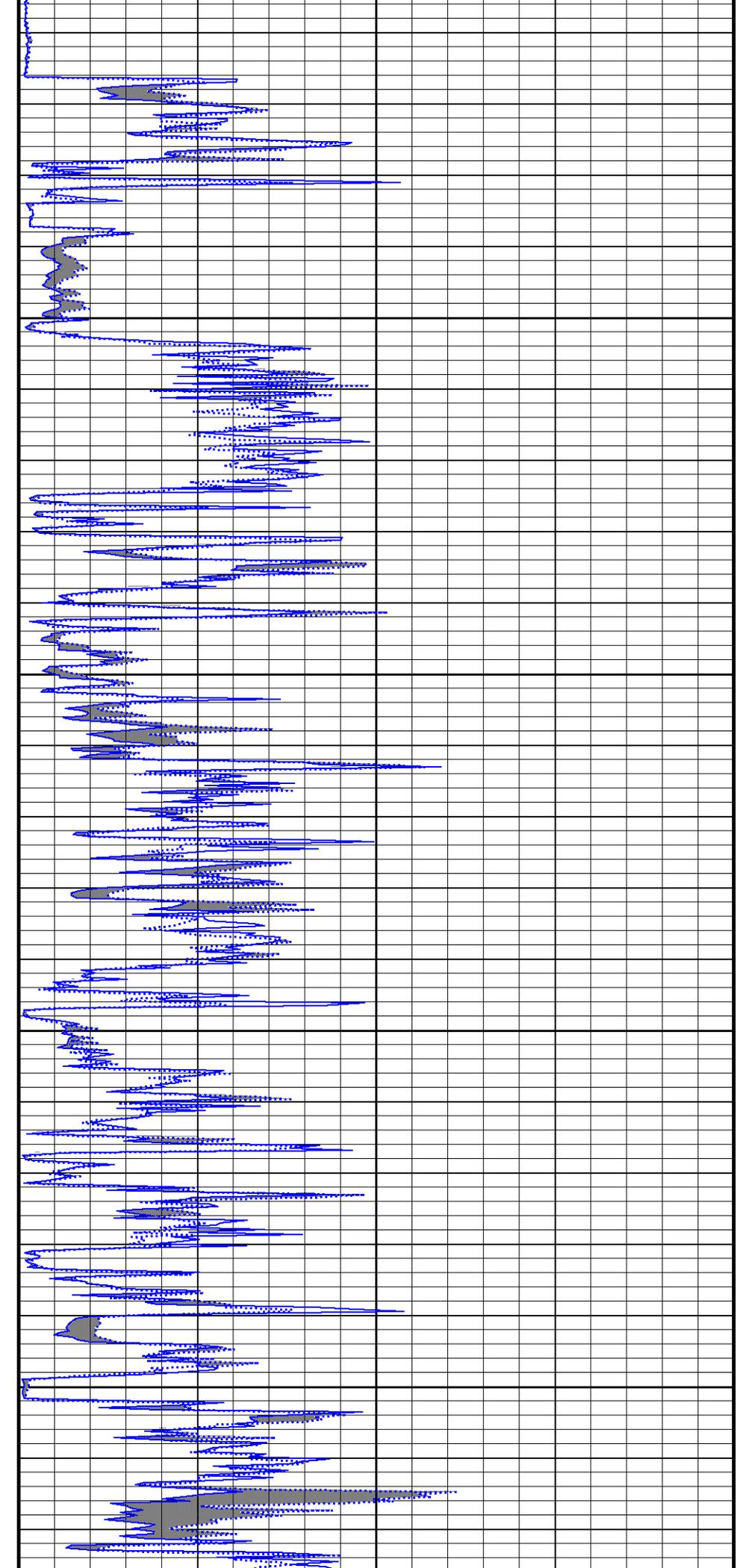
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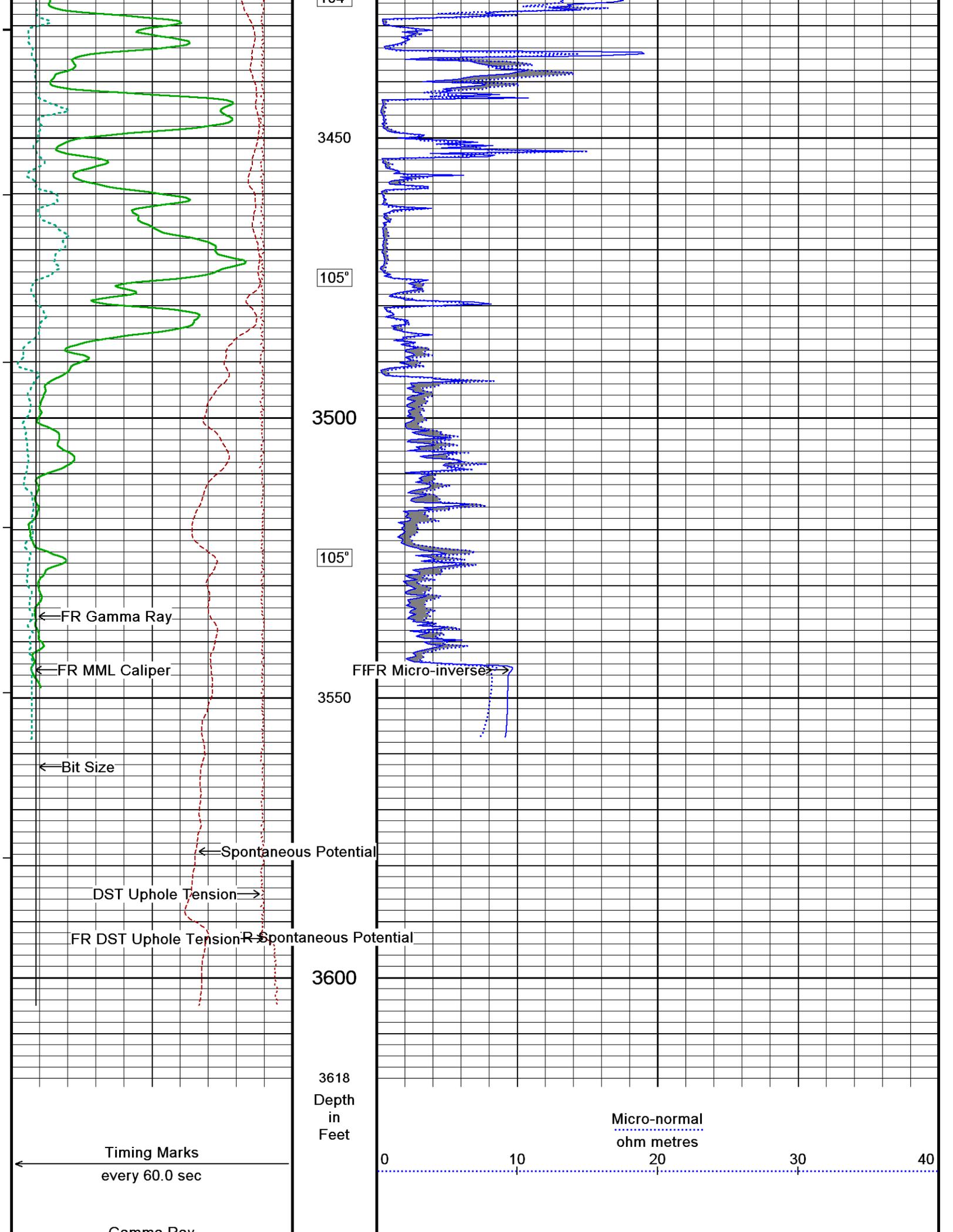
3350

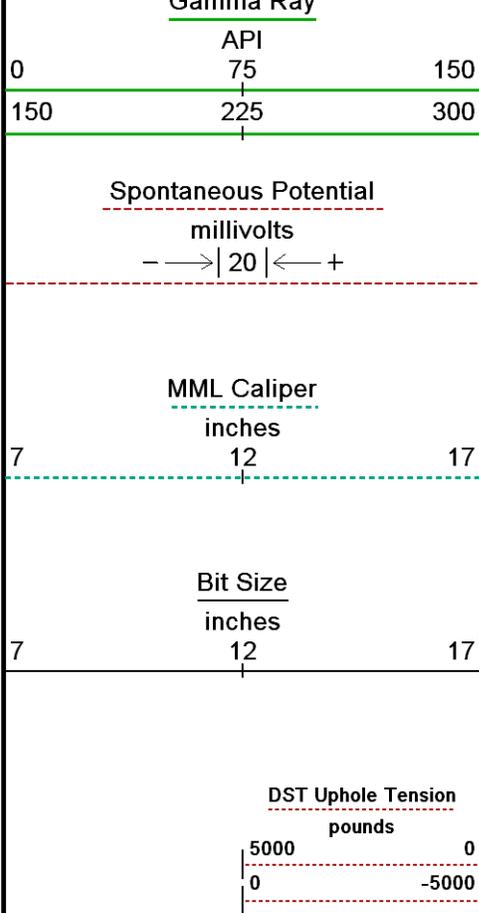
104°

3400

104°

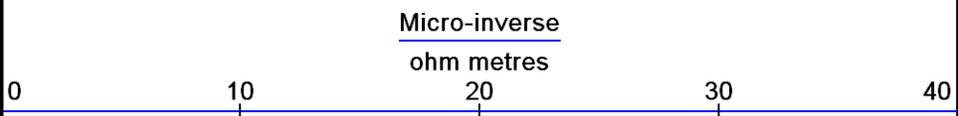






Borehole
Temp in
deg F

Replay
Scale
1:240

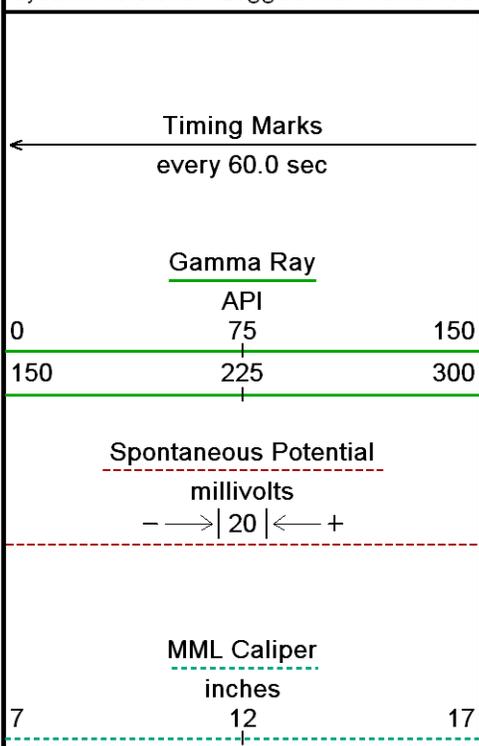


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 System Versions: Logged with 10.08.1568 Plotted with 10.01.0282

↑ **5 Inch Main** ↑

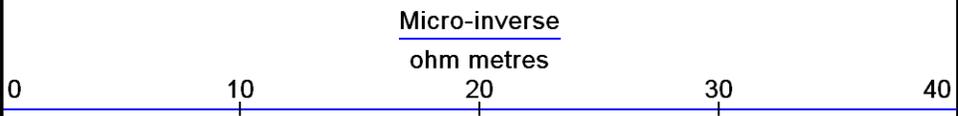
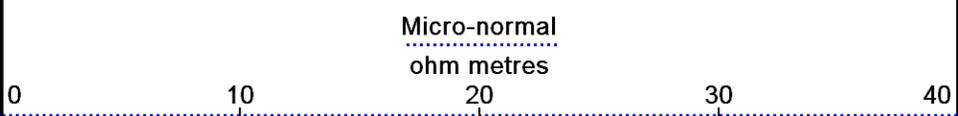
↓ **Repeat Section** ↓

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 Plotted on 11-JUN-2010 10:27
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Depth
in
Feet

Borehole
Temp in
deg F



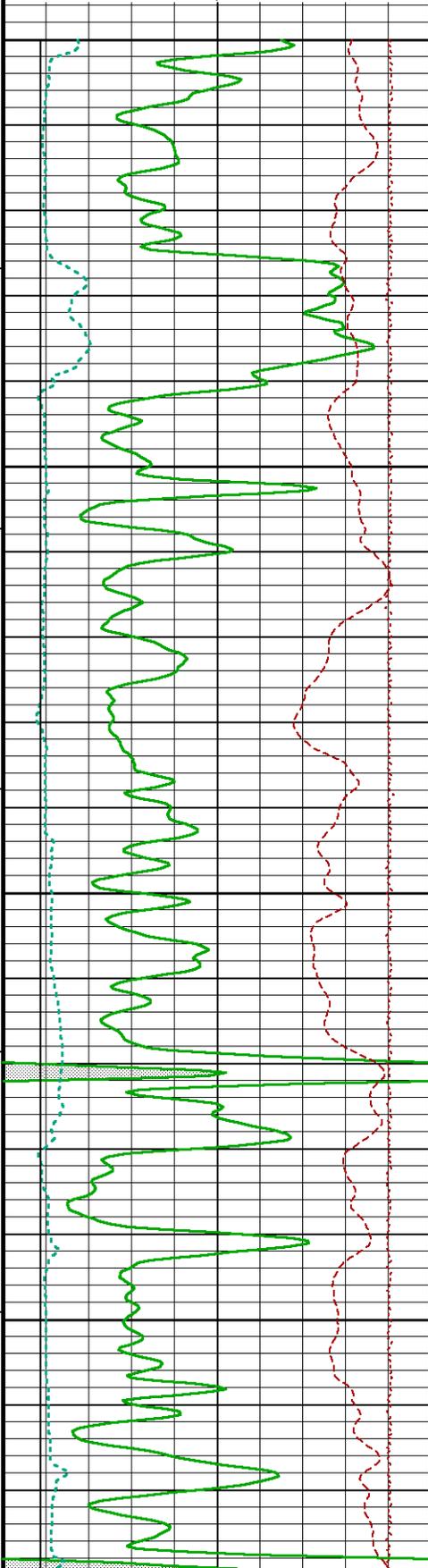
Bit Size
inches

7 12 17

DST Uphole Tension
pounds

5000	0
0	-5000

Replay
Scale
1:240



2900

102°

2950

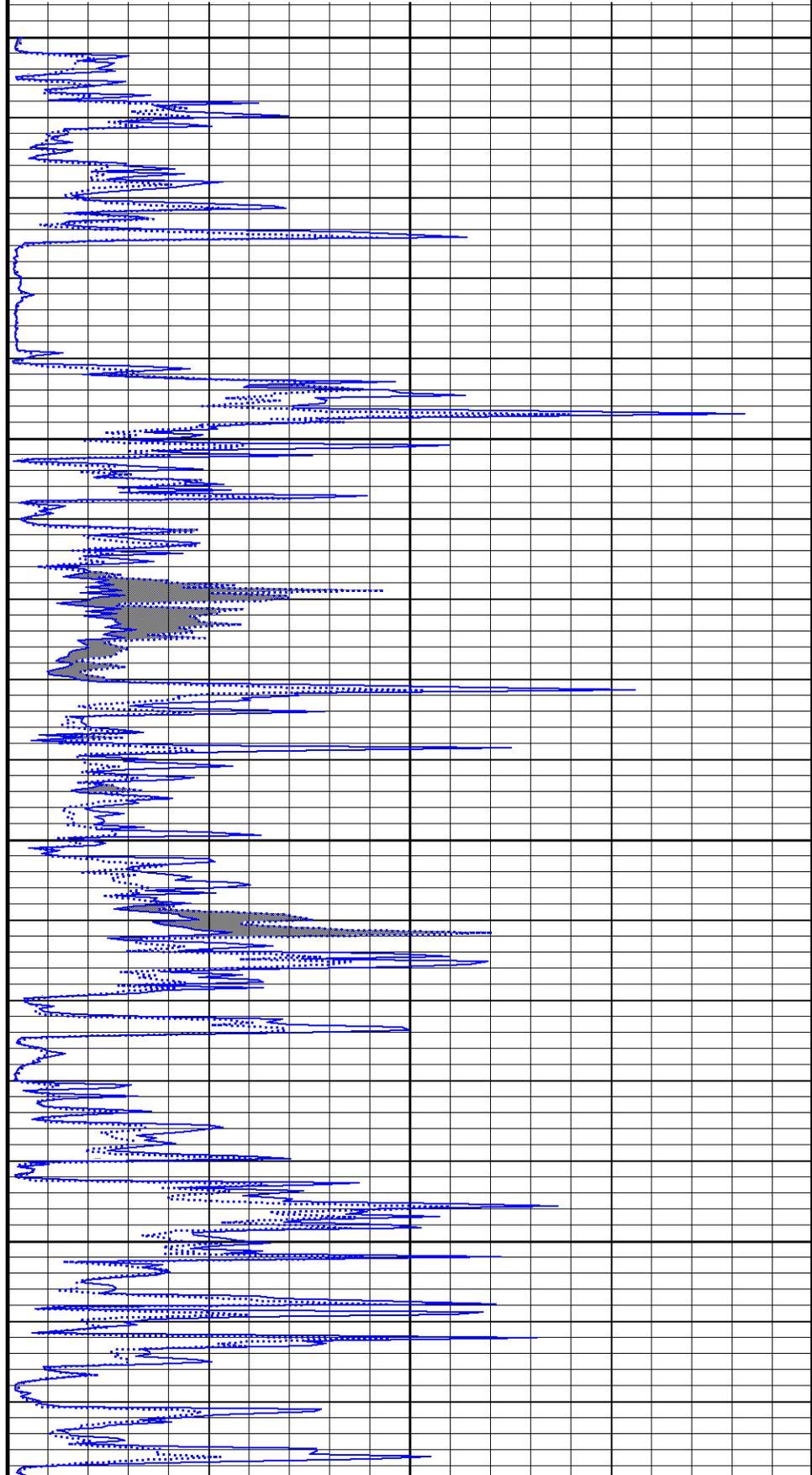
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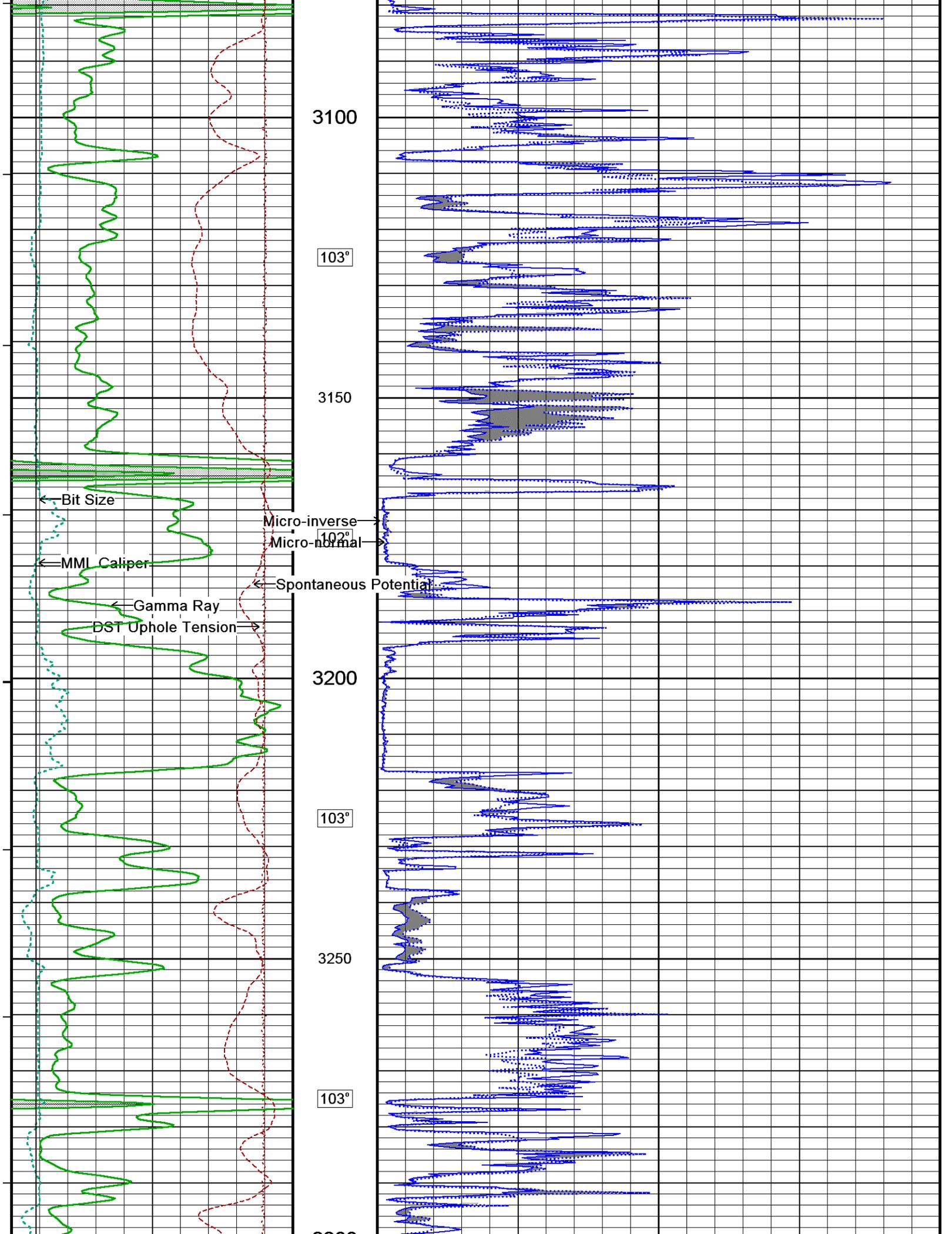
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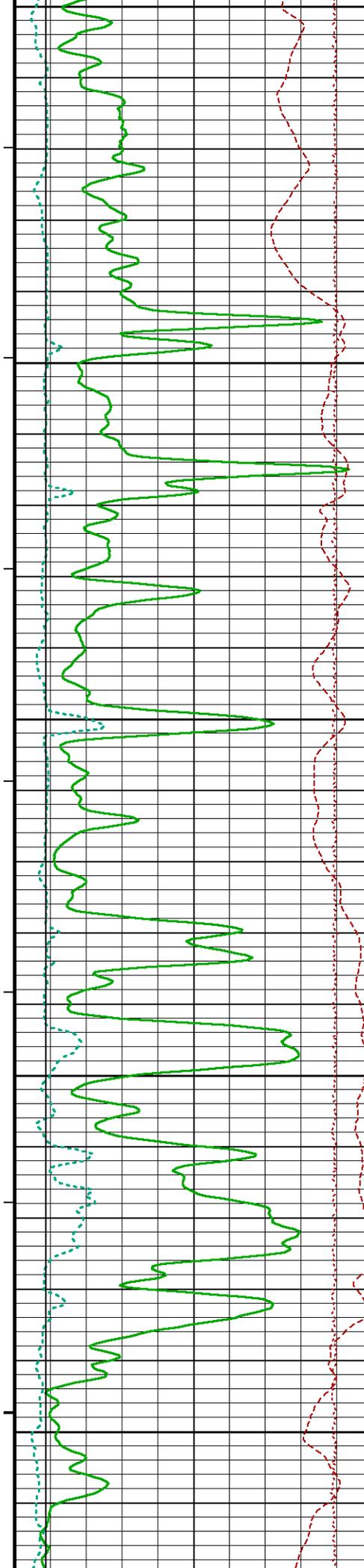
102°

3050

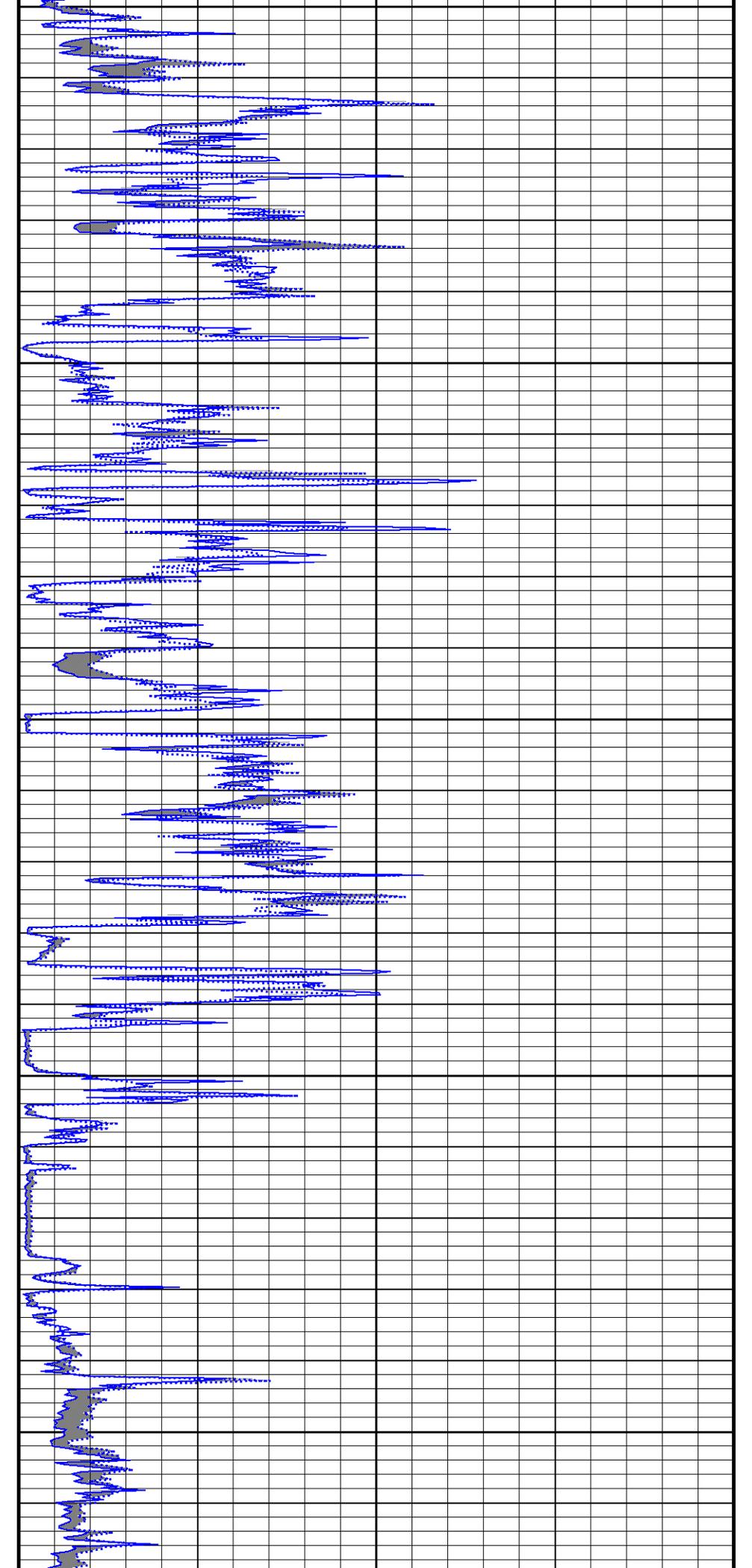
102°







3300
103°
3350
103°
3400
104°
3450
104°
3500



104°

← FR Gamma Ray

← FR MML Caliper

FR Micro-inverse normal →

3550

← Bit Size

← Spontaneous Potential

DST Uphole Tension →

FR DST Uphole Tension ← FR Spontaneous Potential

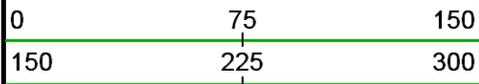
3600

3614
Depth
in
Feet

Timing Marks
every 60.0 sec

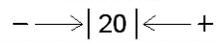
Gamma Ray

API



Spontaneous Potential

millivolts



Borehole
Temp in
deg F

MML Caliper

inches



Bit Size

inches

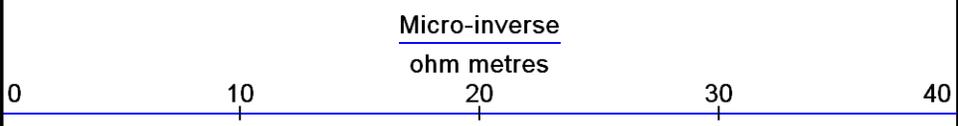
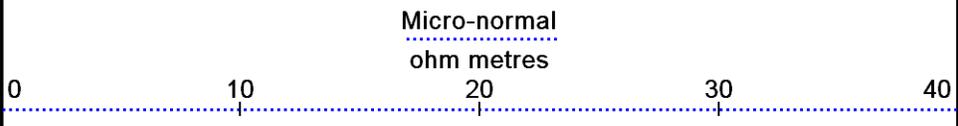
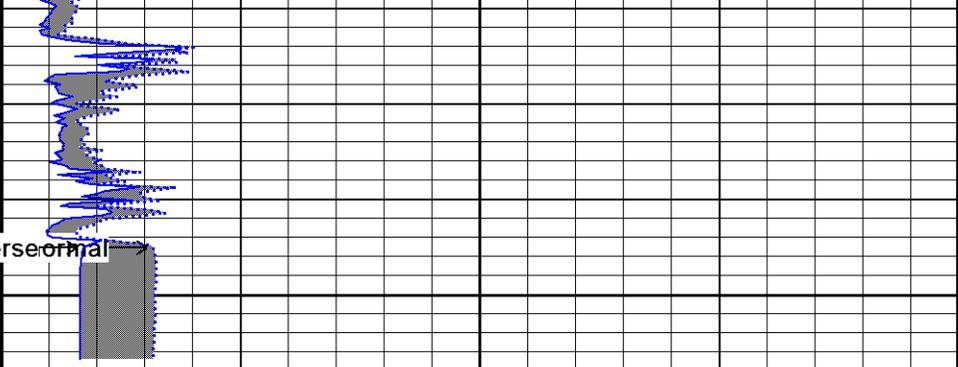


DST Uphole Tension

pounds



Replay
Scale
1:240



Repeat Section

BEFORE SURVEY CALIBRATION

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General Constants All 000

Last Edited on 10-JUN-2010,18:10

General Parameters

Mud Resistivity	0.810	ohm-metres
Mud Resistivity Temperature	88.000	degrees F
Water Level	0.000	feet
Density/Neutron Processing	Wet Hole	

Hole/Annular Volume and Differential Caliper Parameters

HVOL Method	Single Caliper	
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	N/A	
Annular Volume Diameter	5.500	inches
Caliper for Differential Caliper	None	

Rwa Parameters

Porosity used	Limestone Density Por.
Resistivity used	Deep Induction
RWA Constant A	1.000
RWA Constant M	2.000

DOWNHOLE EQUIPMENT

C:\DOCUME~1\Clayton\LOCALS~1\Temp\Weatherford PreView0\DOME LIVING TRUST ET AL 1-8.dta

3/8" Triple Cone Cable Head (MCB C A)

MCB 5 Length: 1.58 ft Weight: 15.4 lb

Compact Gamma

MCG 34 Length: 8.70 ft Weight: 63.9 lb

Compact Micro-log

MML 16 Length: 7.97 ft Weight: 81.6 lb

Compact Neutron

MDN 65 Length: 5.04 ft Weight: 50.7 lb

Compact Density/Caliper

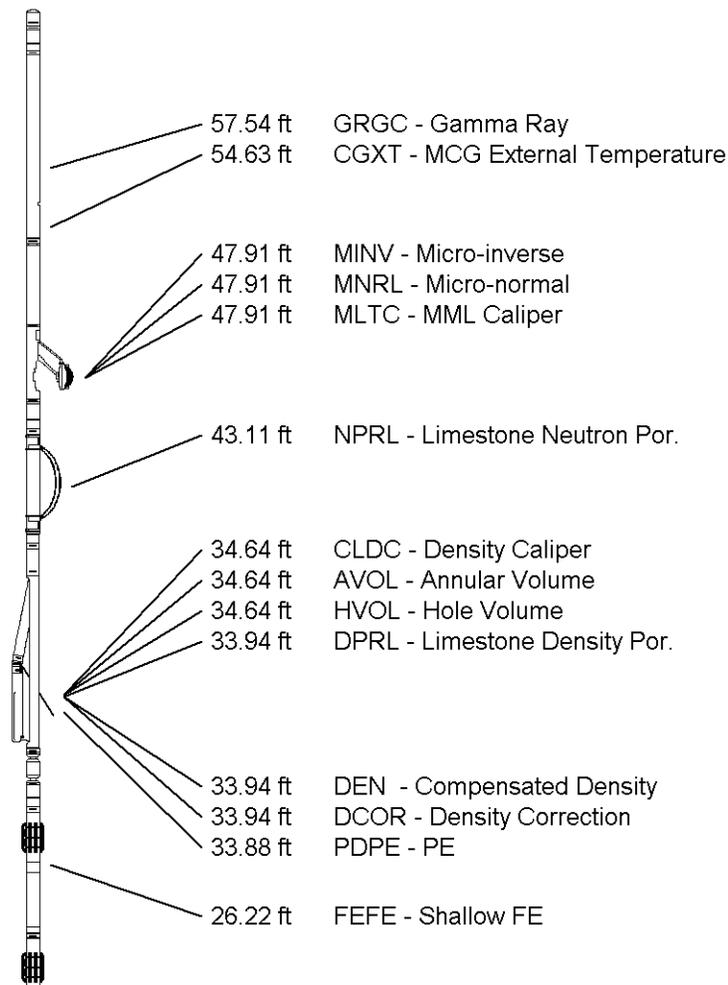
MPD 35 Length: 9.59 ft Weight: 90.4 lb

SKJ-D.A Compact Knuckle Joint

SKJ 37 Length: 2.17 ft Weight: 24.3 lb

Compact Focussed Electric

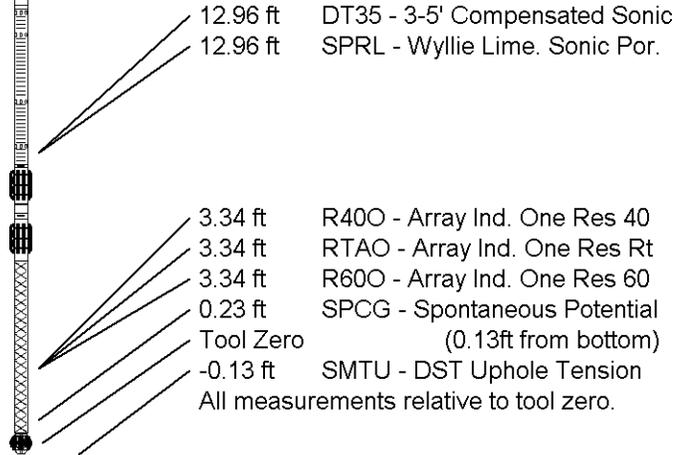
MFE 55 Length: 6.03 ft Weight: 48.5 lb



Compact Sonic
 MSS 55 Length: 12.52 ft Weight: 72.8 lb

Compact Induction
 MAI 178 Length: 10.81 ft Weight: 48.5 lb

Total Length: 64.40 ft Weight: 496.0 lb



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WELL	DOME LIVING TRUST ET AL #1-8
FIELD	WILDCAT
PROVINCE/COUNTY	RUSH
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	1940.00	feet	First Reading	3545.00	feet
Elevation Drill Floor	1939.00	feet	Depth Driller	3600.00	feet
Elevation Ground Level	1930.00	feet	Depth Logger	3593.00	feet



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