MICRORESISTIVITY LOG

COMPANY	McCOY PETROLEUM CORPORATION
WELL	REED TRUST "A" #1-36
FIELD	WILDCAT
PROVINCE/COUNTY	GRAY
COUNTRY/STATE	U.S.A. / KANSAS
LOCATION	660' FNL & 660' FEL

SEC 36	TWP 28S	RGE 29W	Other Services
Latitude		37.574874	MAI/MFE MPD/MDN
Longitude		-100.436004	MSS
API Number		15-069-20498	

Permanent Datum GL, Elevation 2769 feet
Log Measured From KB, 11.00 feet above Permanent Datum
Drilling Measured From KB

Elevations:	feet
KB	2780.00
DF	2778.00
GL	2769.00

Date	03-MAR-2017			
Run Number	ONE			
Service Order	4558-175770542			
Depth Driller	5500.00	feet		
Depth Logger	5501.00	feet		
First Reading	5455.00	feet		
Last Reading	2700.00	feet		
Casing Driller	1781.00	feet		
Casing Logger	1776.00	feet		
Bit Size	7.875	inches		
Hole Fluid Type	CHEMICAL			
Density / Viscosity	9.05 lb/USg		54.00 CP	
PH / Fluid Loss	10.00		8.00 ml/30Min	
Sample Source	FLOWLINE			
Rm @ Measured Temp	0.99 @ 75.0	ohm-m		
Rmf @ Measured Temp	0.79 @ 75.0	ohm-m		
Rmc @ Measured Temp	1.19 @ 75.0	ohm-m		
Source Rmf / Rmc	CALC		CALC	
Rm @ BHT	0.65 @115.0	ohm-m		
Time Since Circulation	5 HOURS			
Max Recorded Temp	115.00	deg F		
Equipment / Base	13096		LIB	
Recorded By	ADAM SILL			
Witnessed By	ZACH WIELE			

BOREHOLE RECORD

Last Edited: 03-MAR-2017 20:48

Bit Size inches	Depth From feet	Depth To feet
7.875	1781.00	5500.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1781.00	24.00

REMARKS

- SOFTWARE ISSUE: WLS 16.05.4955.
- RUN ONE: MCG, MML, MDN, MPD, MFE, MSS, MAI RUN IN COMBINATION.
  - HARDWARE: DUAL BOWSPRING USED ON MDN.
  0.5 INCH STANDOFF USED ON MFE.
  TWO 0.5 INCH STANDOFFS USED ON MSS.
  0.5 INCH STANDOFF USED ON MAI.
- RUN TWO: SHA, MCG, MIM, MIE RUN IN COMBINATION.
- 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY.
- BOREHOLE RUGOSITY, TIGHT PULLS, AND WASHOUTS WILL AFFECT DATA QUALITY.
- ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.
- TOTAL HOLE VOLUME FROM TD TO SURFACE CASING: 1385 CU.FT.

- ANNULAR HOLE VOLUME WITH 4.5 INCH PRODUCTION CASING FROM TD TO 2700 FEET: 638 CU.FT.

- RIG: STERLING #4.

- ENGINEER: A. SILL.

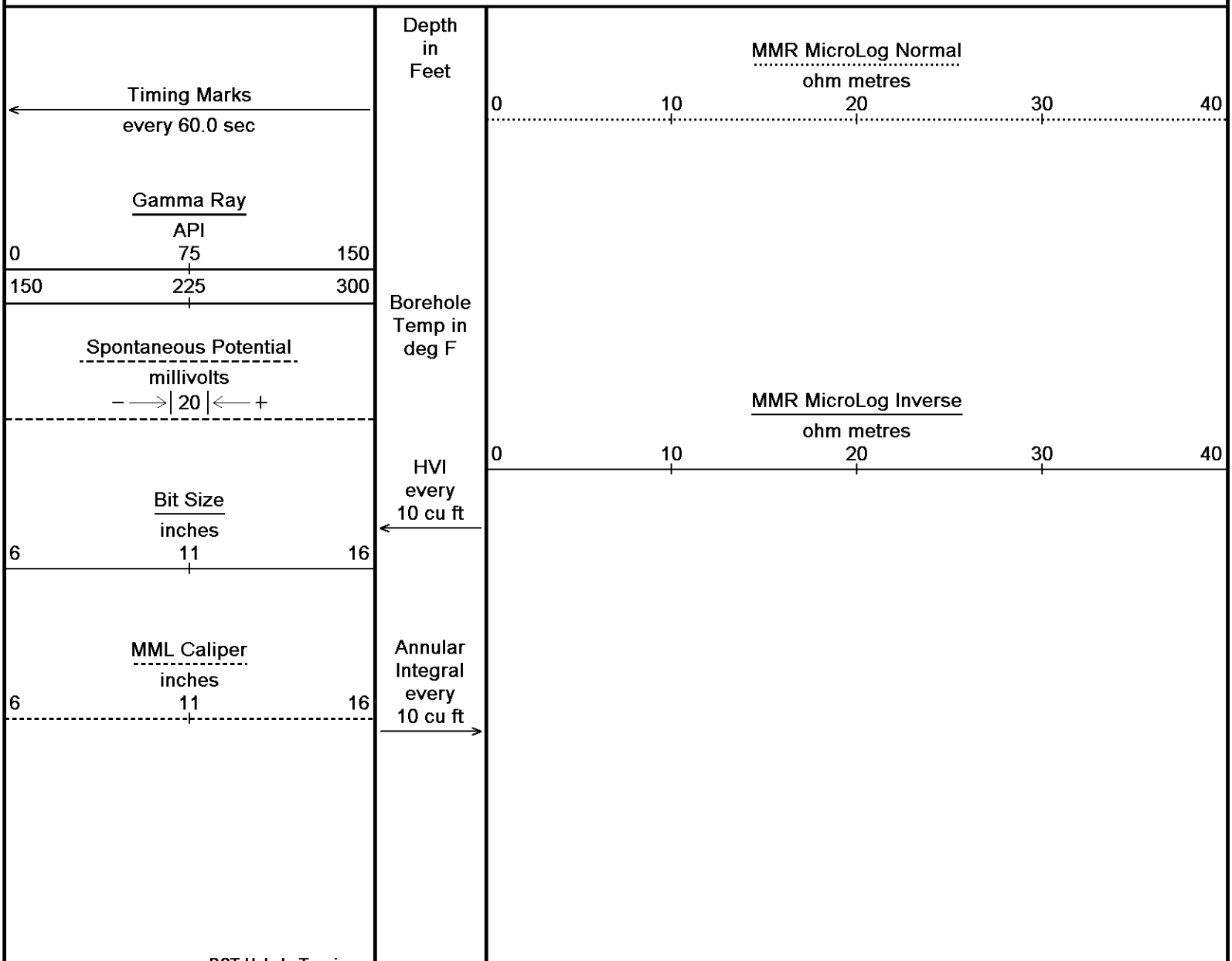
- OPERATOR: B. TOVAR.

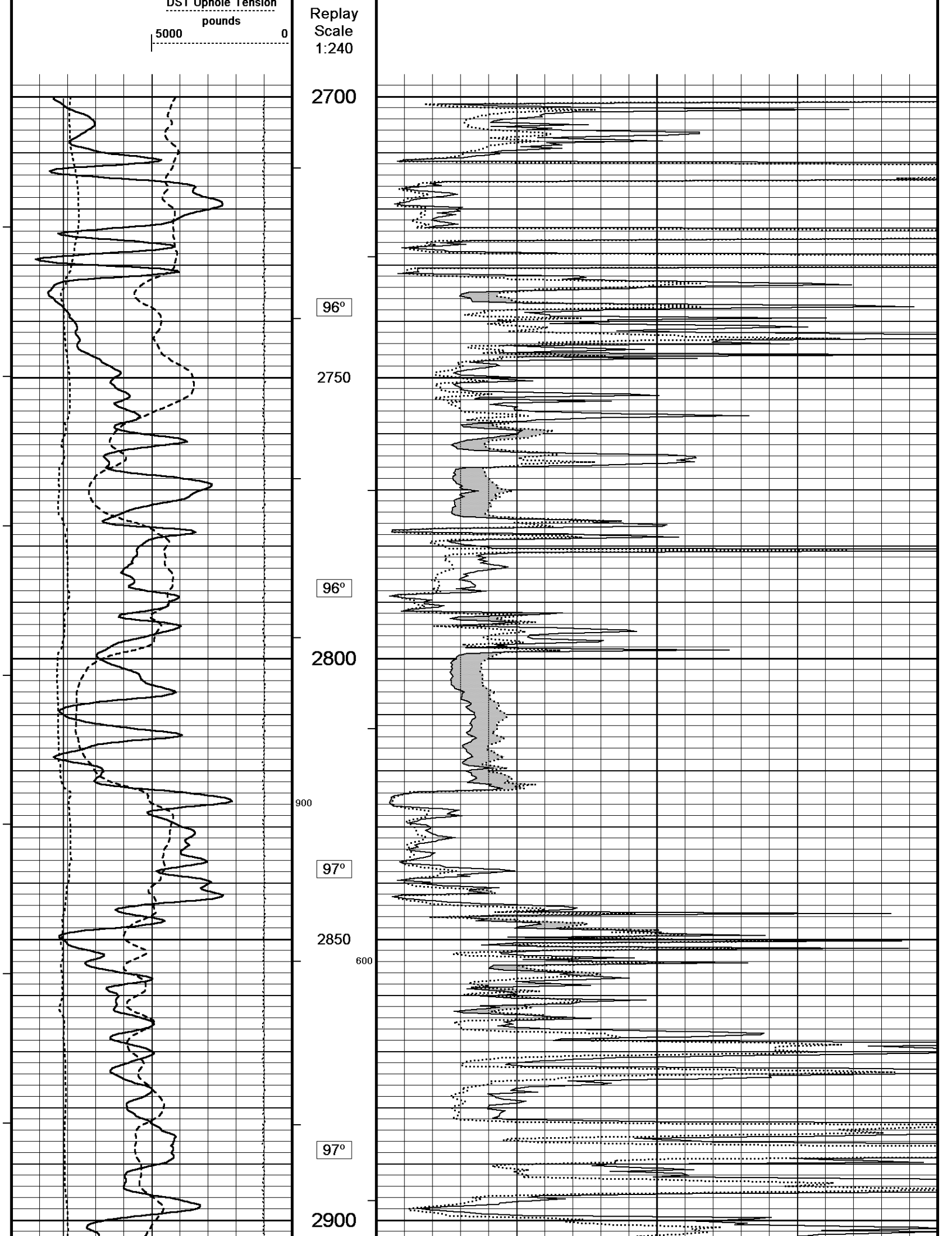
5 INCH MAIN

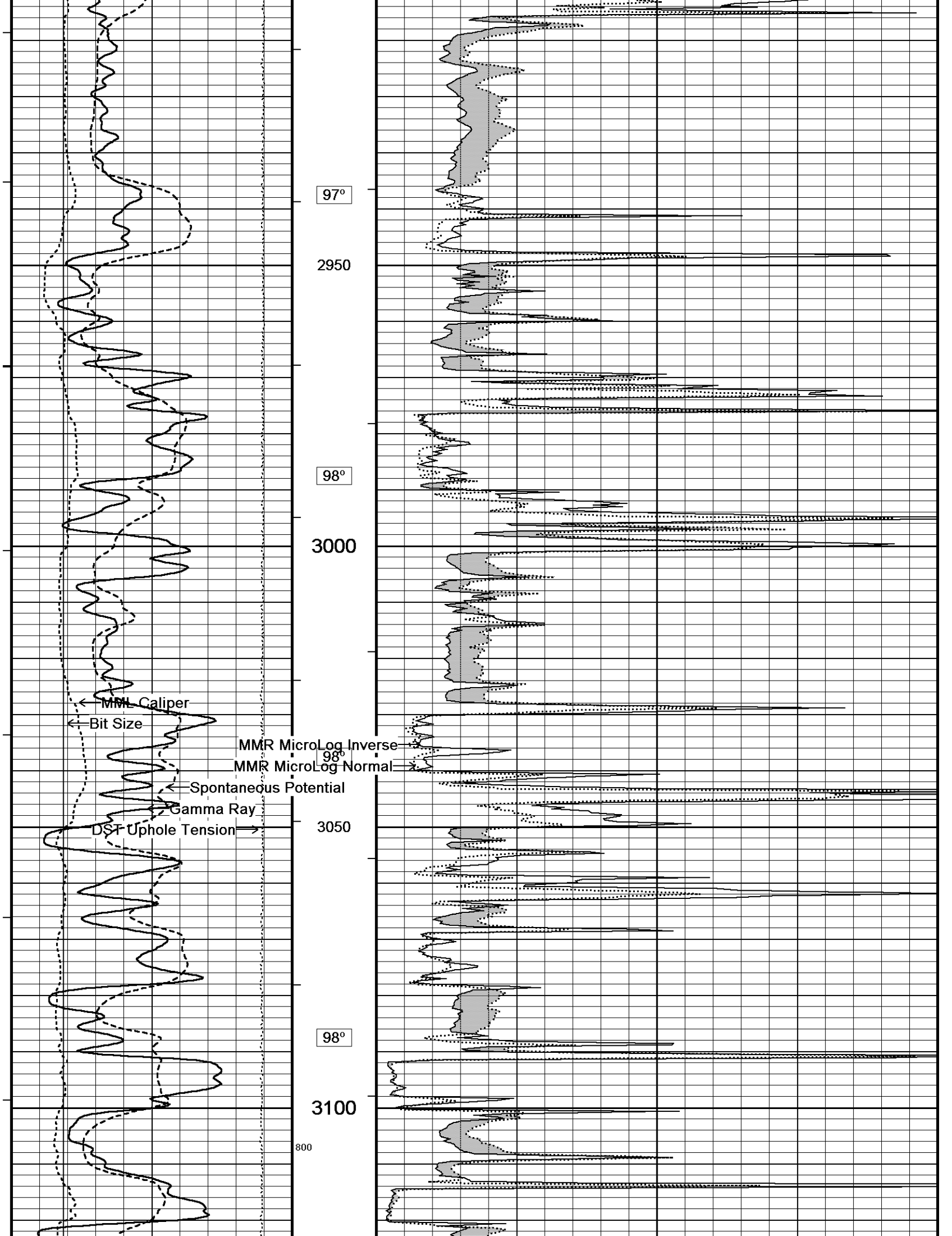
Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 04-MAR-2017 07:43

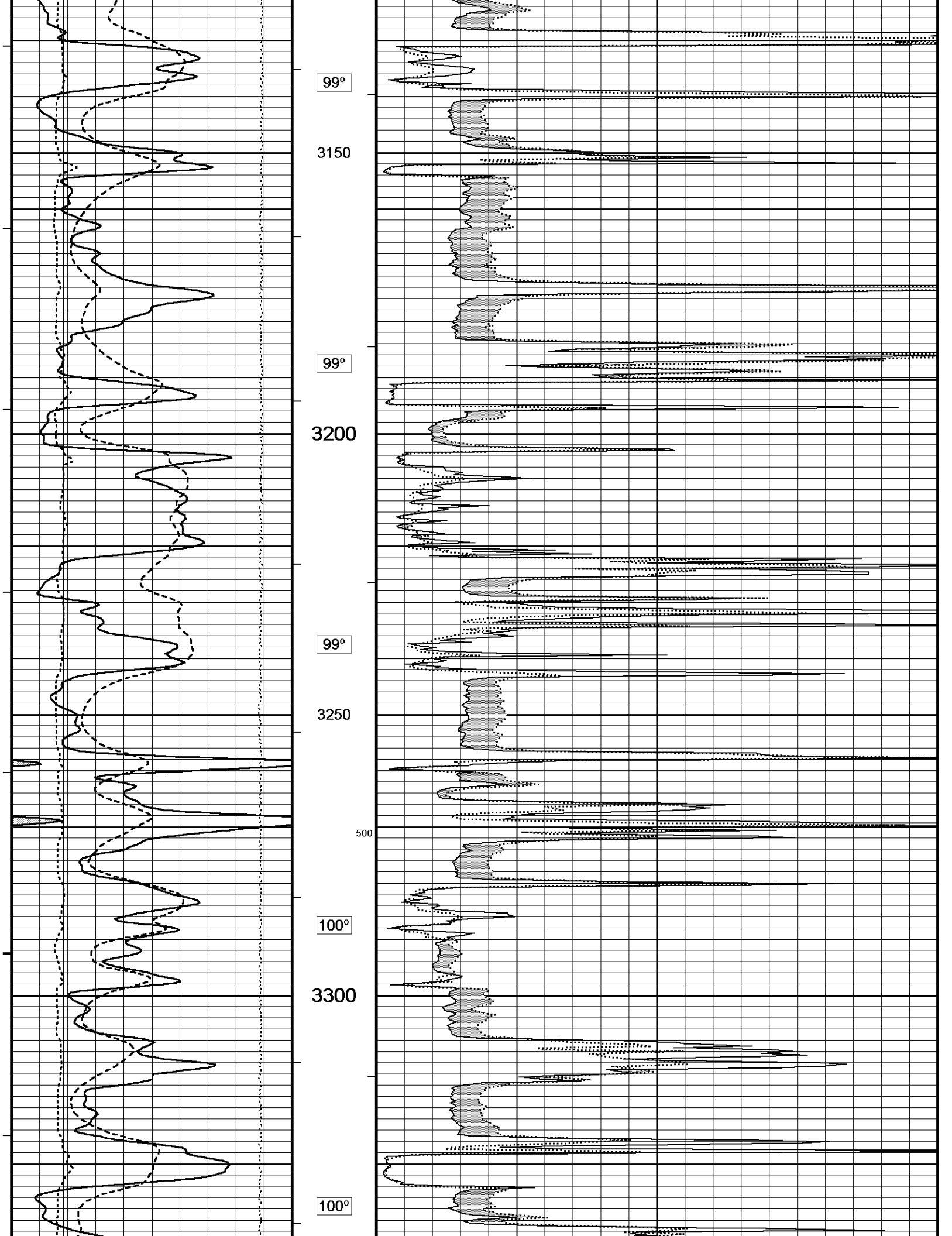
Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_003.dta — Recorded on 03-MAR-2017 23:29

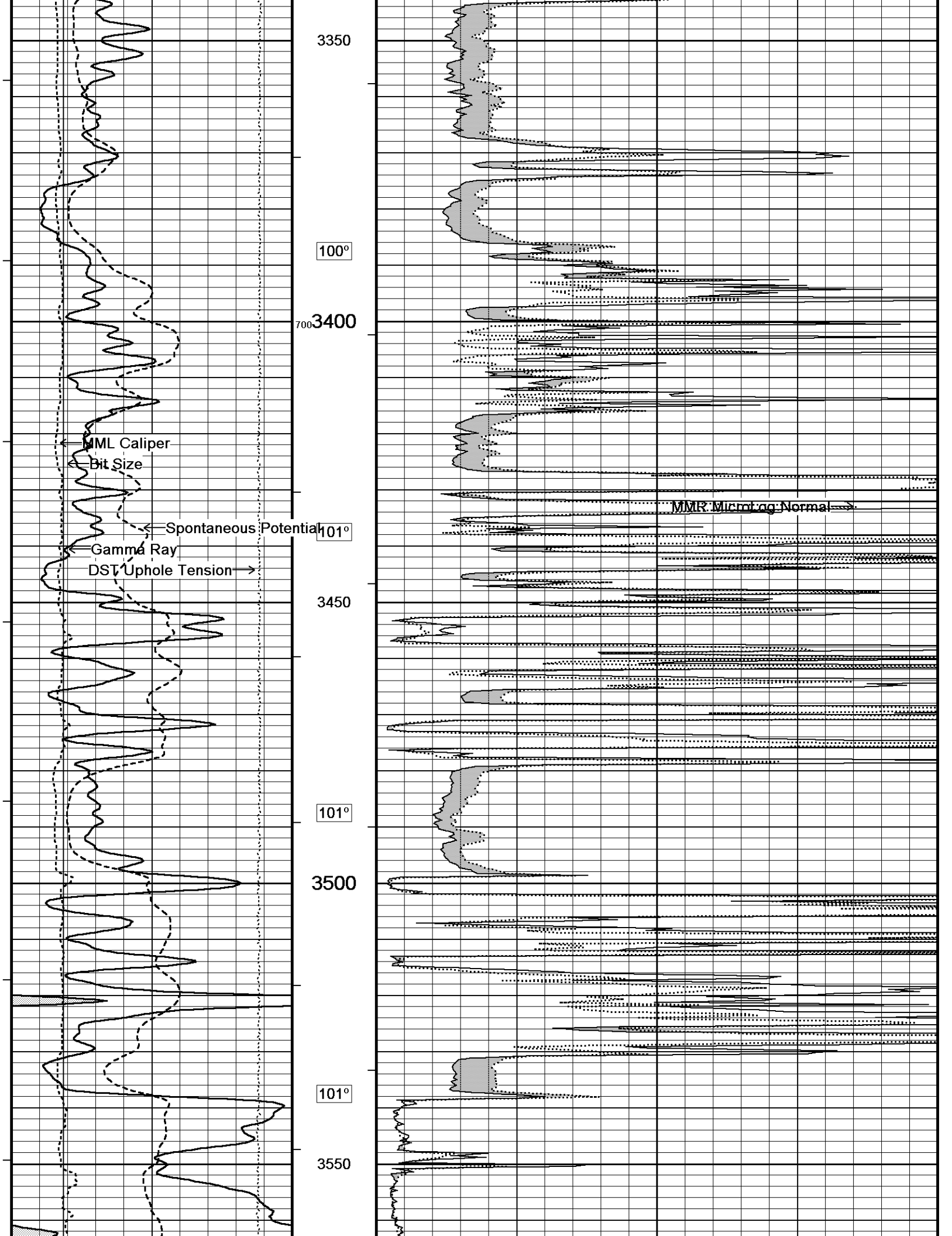
System Versions: Logged with 16.05.4955 Plotted with 16.05.4955

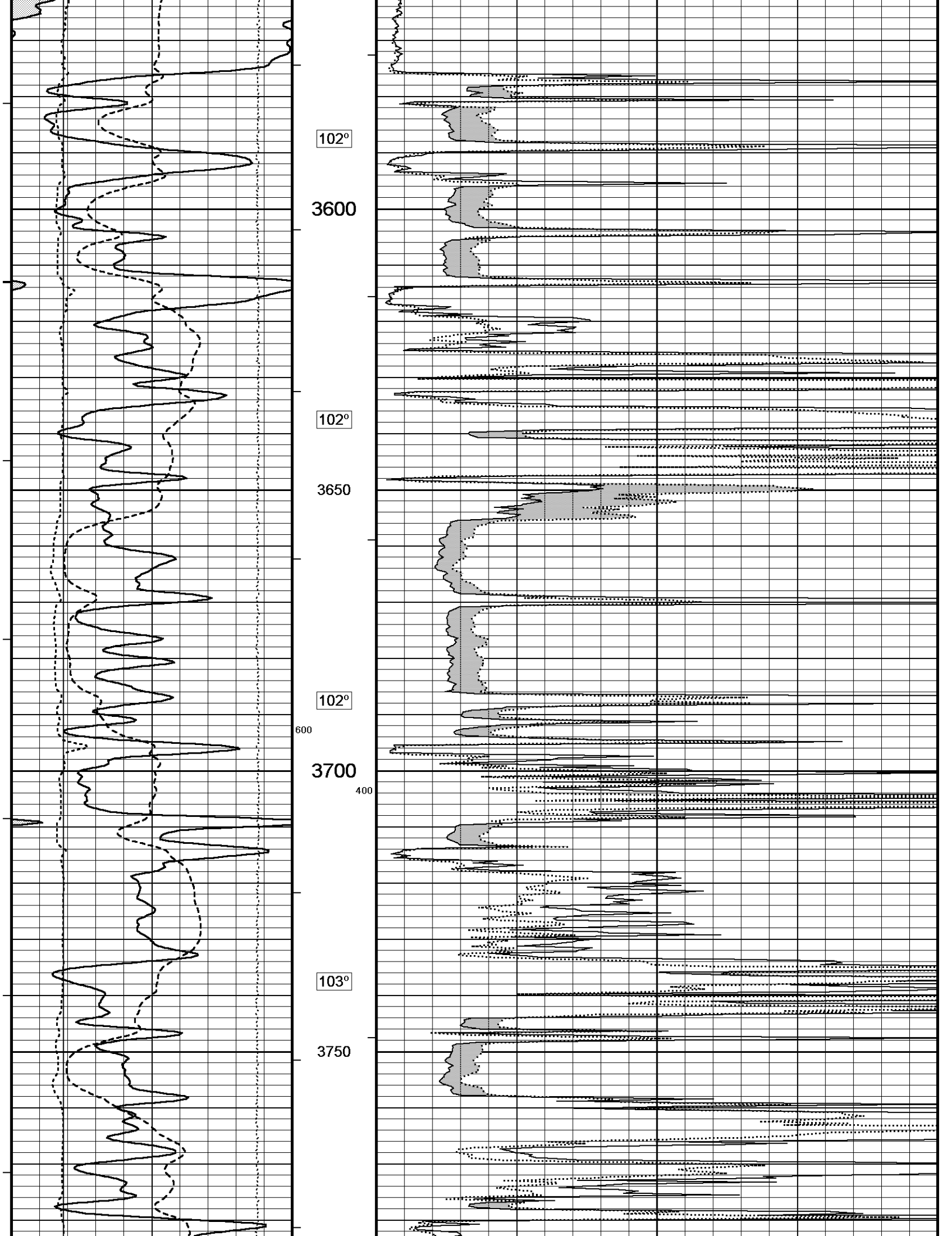


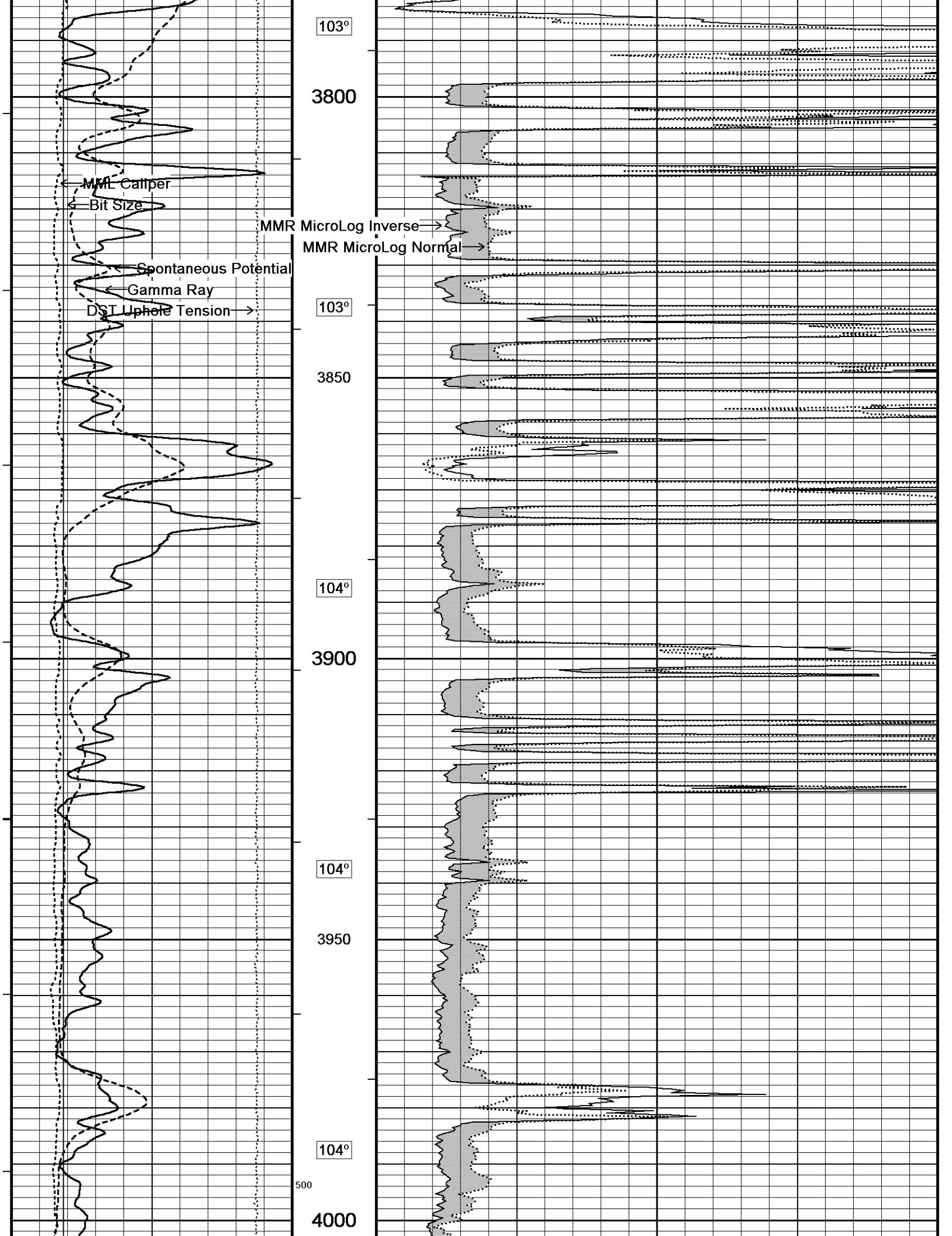

DST Upnole Tension
pounds
5000
0
Replay
Scale
1:240
2700
96°
2750
96°
2800
900
97°
2850
600
97°
2900

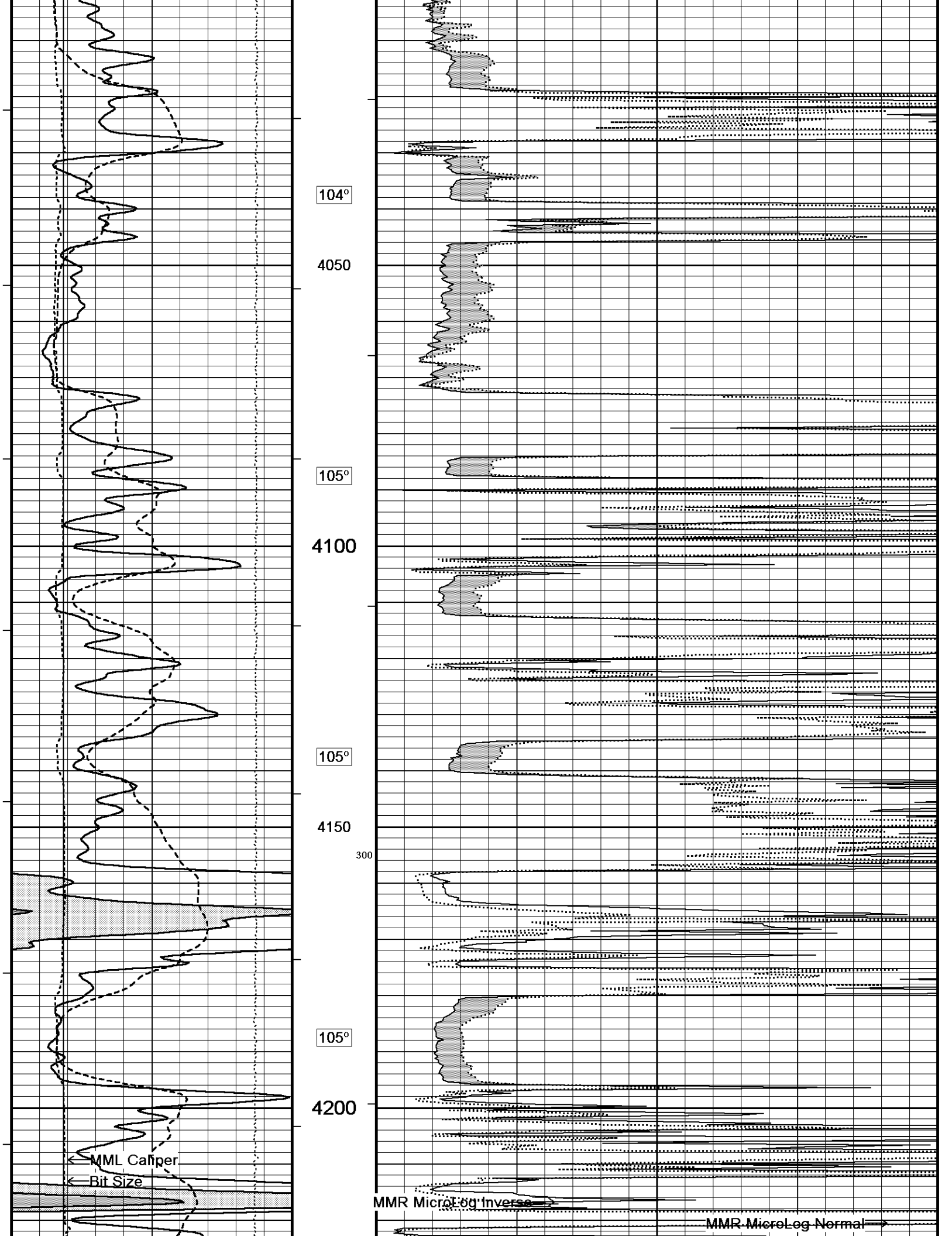

97°
2950
98°
3000
MMR Caliper
Bit Size
MMR MicroLog Inverse
98°
MMR MicroLog Normal
Spontaneous Potential
Gamma Ray
DST Uphole Tension
3050
98°
3100
800

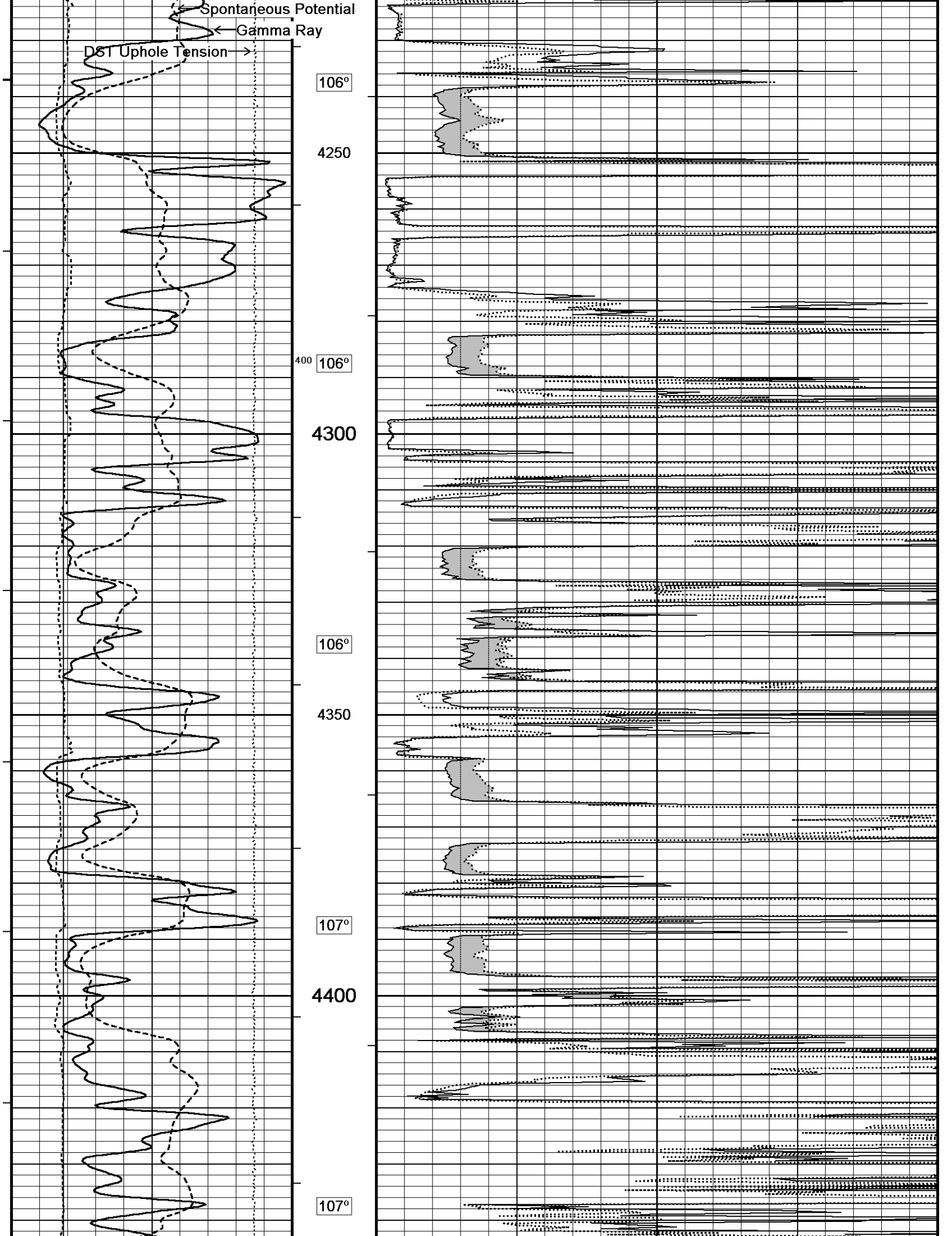

99°
3150
99°
3200
99°
3250
500
100°
3300
100°

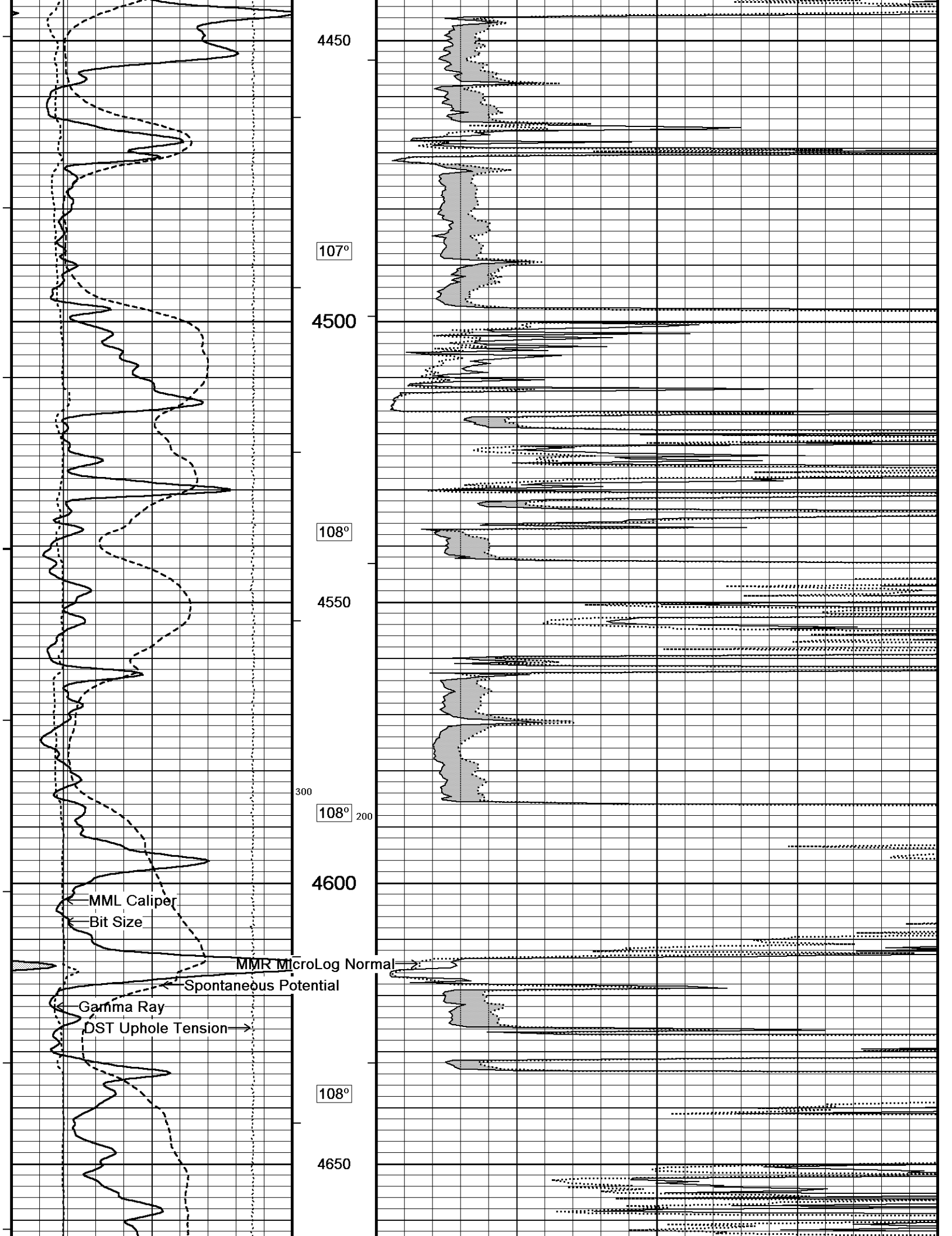

3350
100°
700
3400
MML Caliper
Bit Size
Spontaneous Potential
Gamma Ray
DST Uphole Tension
MMR Microlog Normal
101°
3450
101°
3500
101°
3550

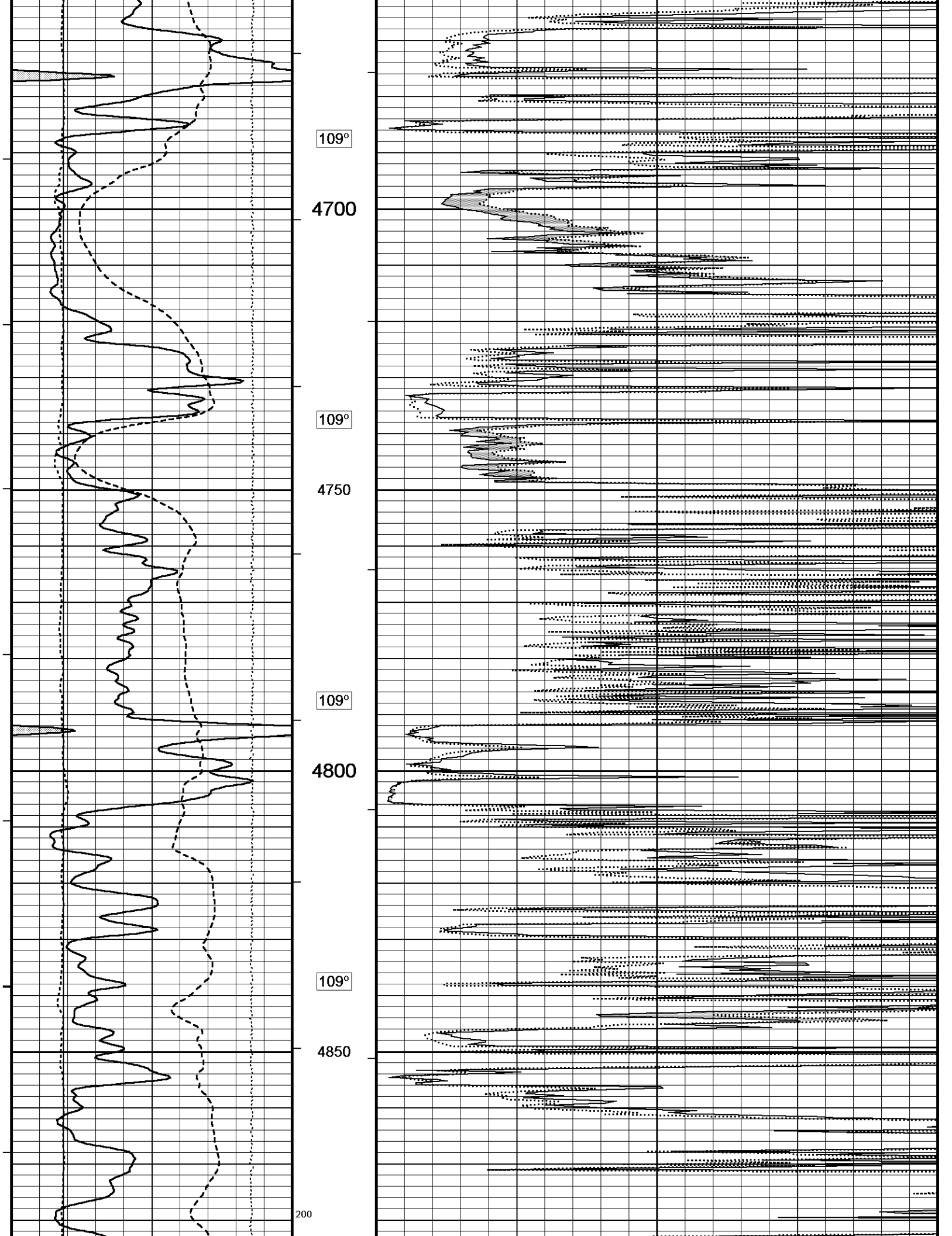

102°
3600
102°
3650
102°
600
3700
400
103°
3750

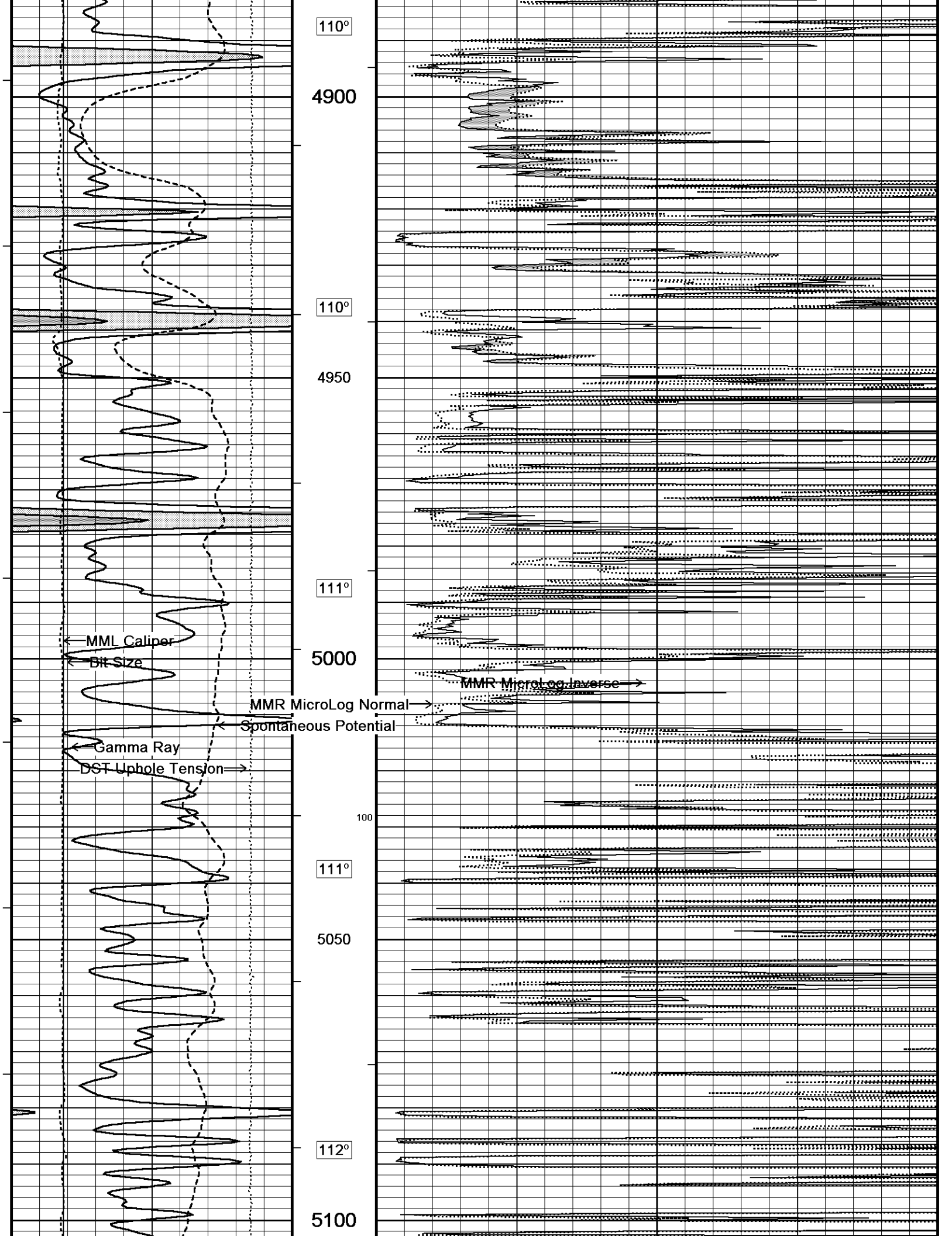

103°
3800
MML Caliper
Bit Size
MMR MicroLog Inverse
MMR MicroLog Normal
Spontaneous Potential
Gamma Ray
DST Uphole Tension
103°
3850
104°
3900
104°
3950
104°
500
4000

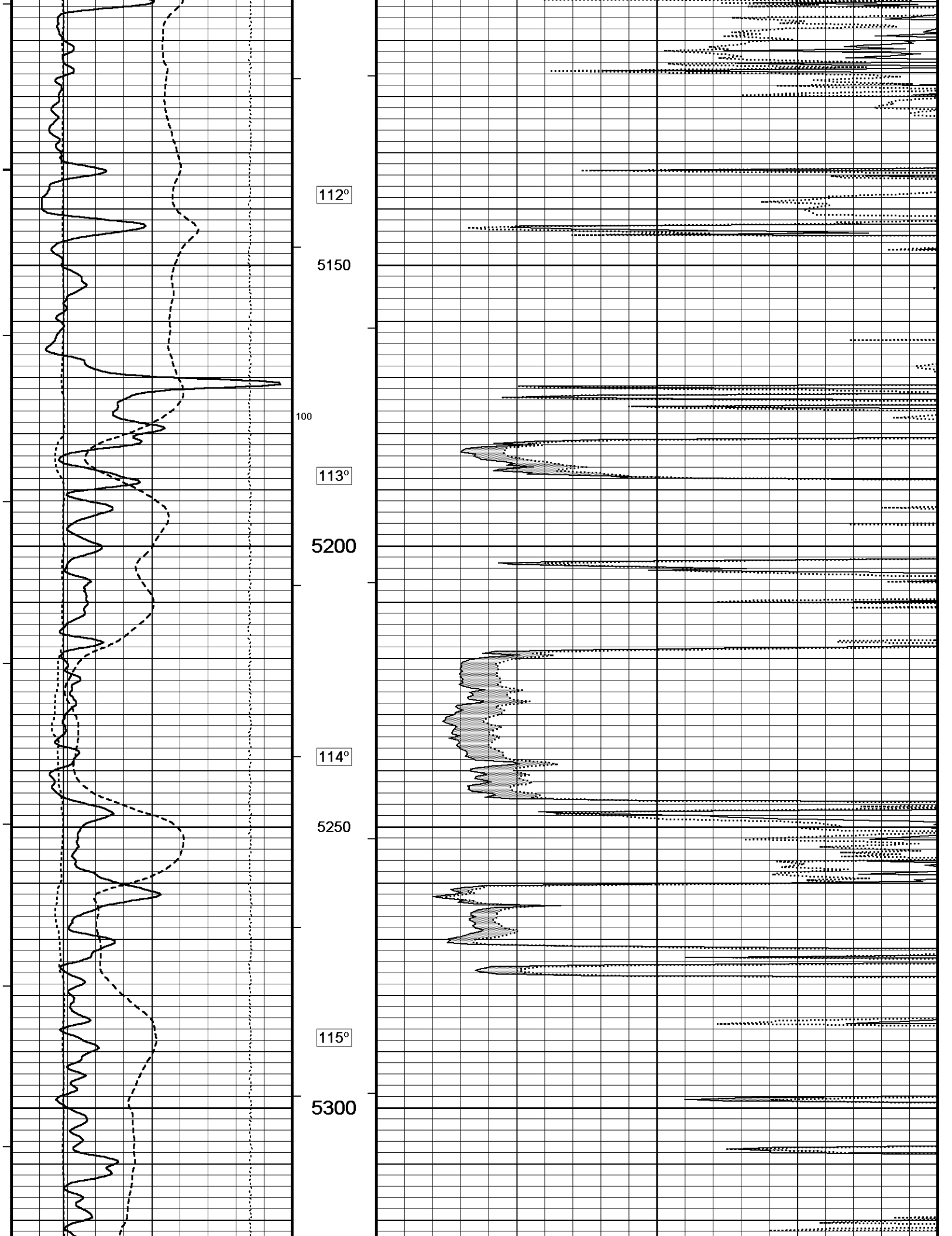

104°
4050
105°
4100
105°
4150
300
105°
4200
MML Caliper
Bit Size
MMR MicroLog Inverse
MMR MicroLog Normal

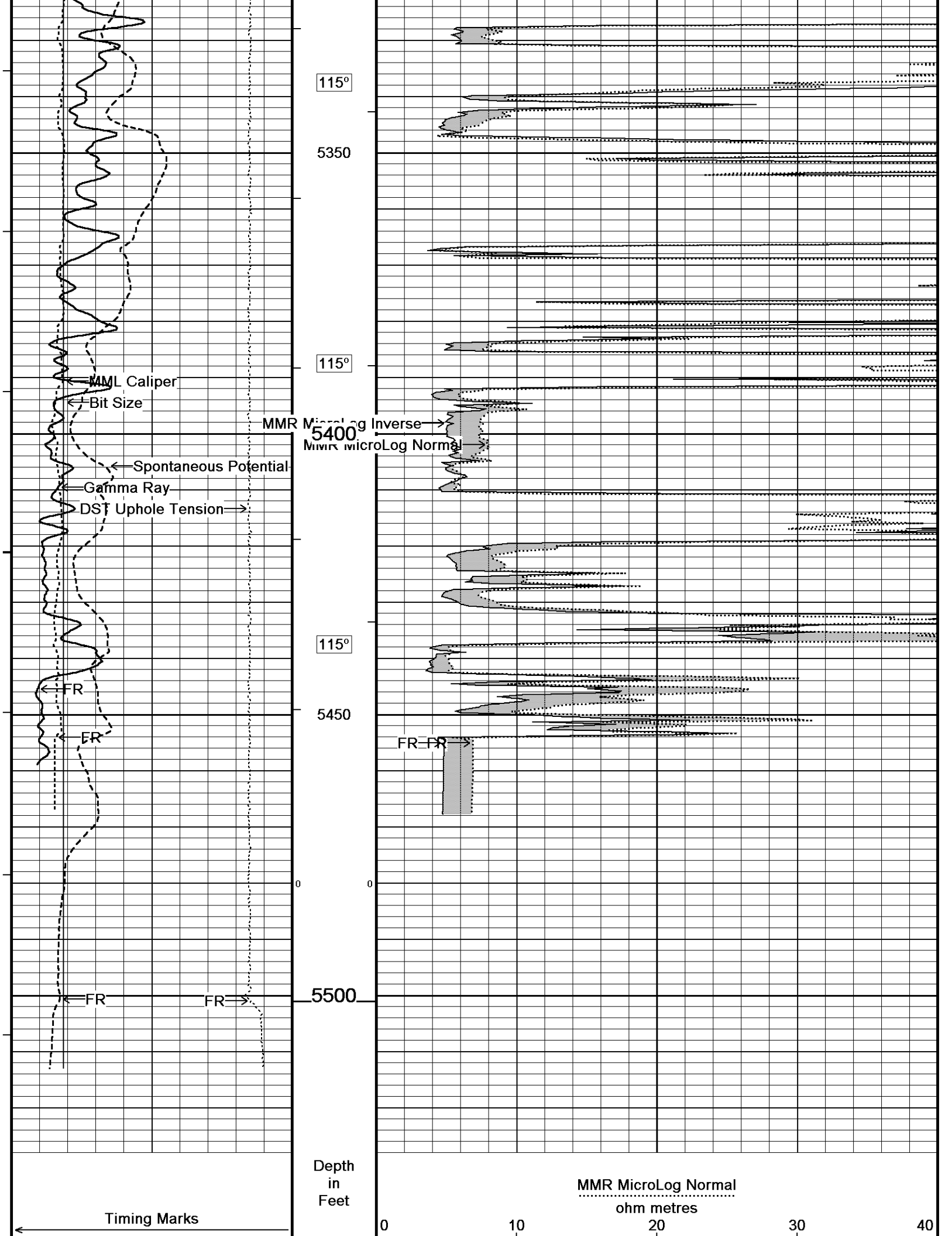

Spontaneous Potential
Gamma Ray
DST Uphole Tension
106°
4250
400
106°
4300
106°
4350
107°
4400
107°


4450
107°
4500
108°
4550
300
108°
200
4600
MML Caliper
Bit Size
MMR MicroLog Normal
Spontaneous Potential
Gamma Ray
DST Uphole Tension
108°
4650


109°
4700
109°
4750
109°
4800
109°
4850
200


110°
4900
110°
4950
111°
MML Caliper
Bit Size
5000
MMR MicroLog Inverse
MMR MicroLog Normal
Spontaneous Potential
Gamma Ray
DST Uphole Tension
100
111°
5050
112°
5100


112°
5150
100
113°
5200
114°
5250
115°
5300


115°
5350
115°
MML Caliper
Bit Size
MMR MicroLog Inverse
5400
MMR MicroLog Normal
Spontaneous Potential
Gamma Ray
DST Uphole Tension
115°
FR
FR
5450
FR
FR
0
0
FR
FR
5500
Depth
in
Feet
Timing Marks
MMR MicroLog Normal
ohm metres
0
10
20
30
40

every 60.0 sec

Gamma Ray
API
0 75 150
150 225 300

Spontaneous Potential
millivolts
– → | 20 | ← +

Bit Size
inches
6 11 16

MML Caliper
inches
6 11 16

DST Uphole Tension
pounds
5000 0

Borehole Temp in deg F

HVI every 10 cu ft

Annular Integral every 10 cu ft

Replay Scale 1:240

MMR MicroLog Inverse
ohm metres
0 10 20 30 40

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 04-MAR-2017 07:43
Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_003.dta — Recorded on 03-MAR-2017 23:29
System Versions: Logged with 16.05.4955 Plotted with 16.05.4955

5 INCH MAIN

REPEAT SECTION

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 04-MAR-2017 07:43
Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_002.dta — Recorded on 03-MAR-2017 22:46
System Versions: Logged with 16.05.4955 Plotted with 16.05.4955

Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150
150 225 300

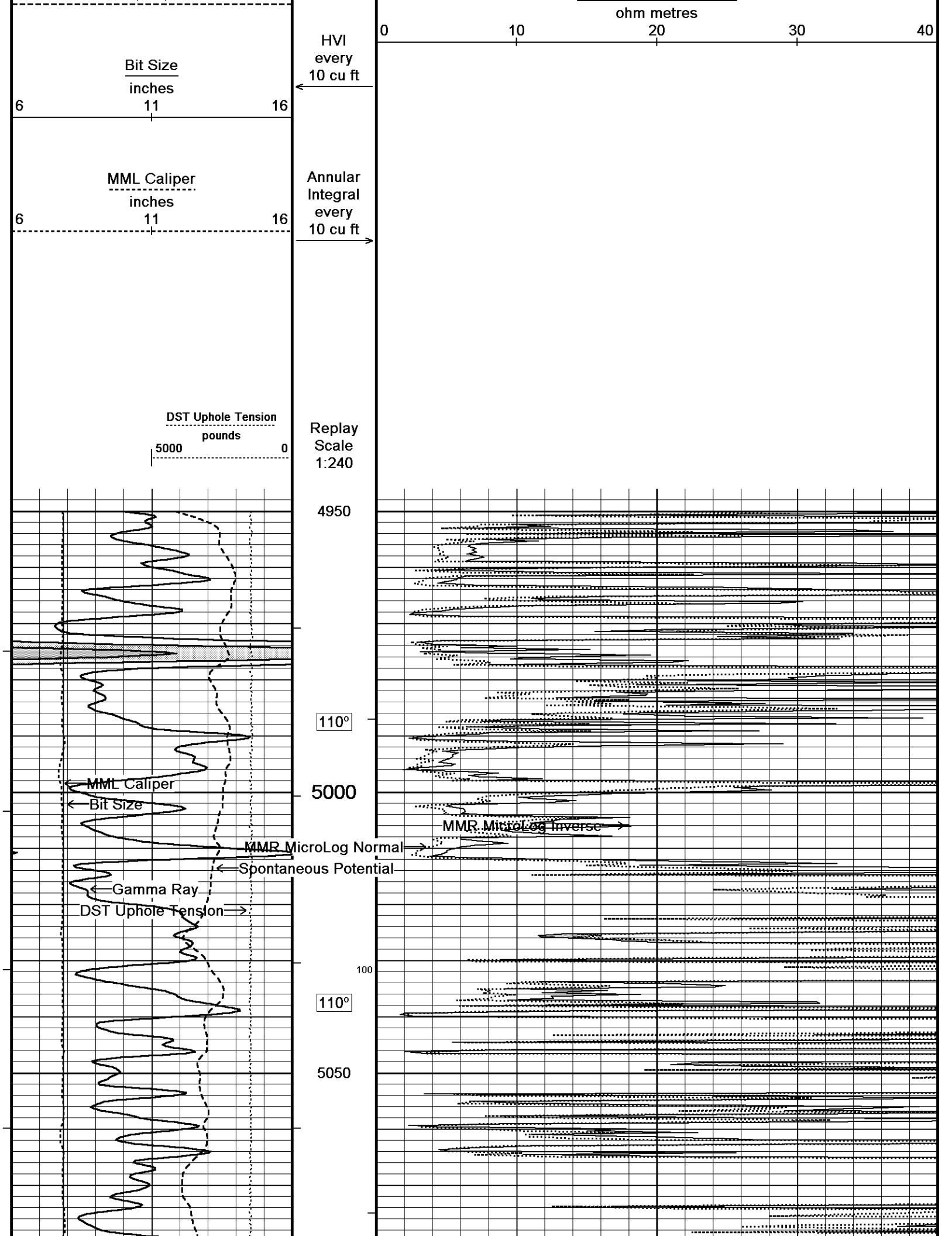
Spontaneous Potential
millivolts
– → | 20 | ← +

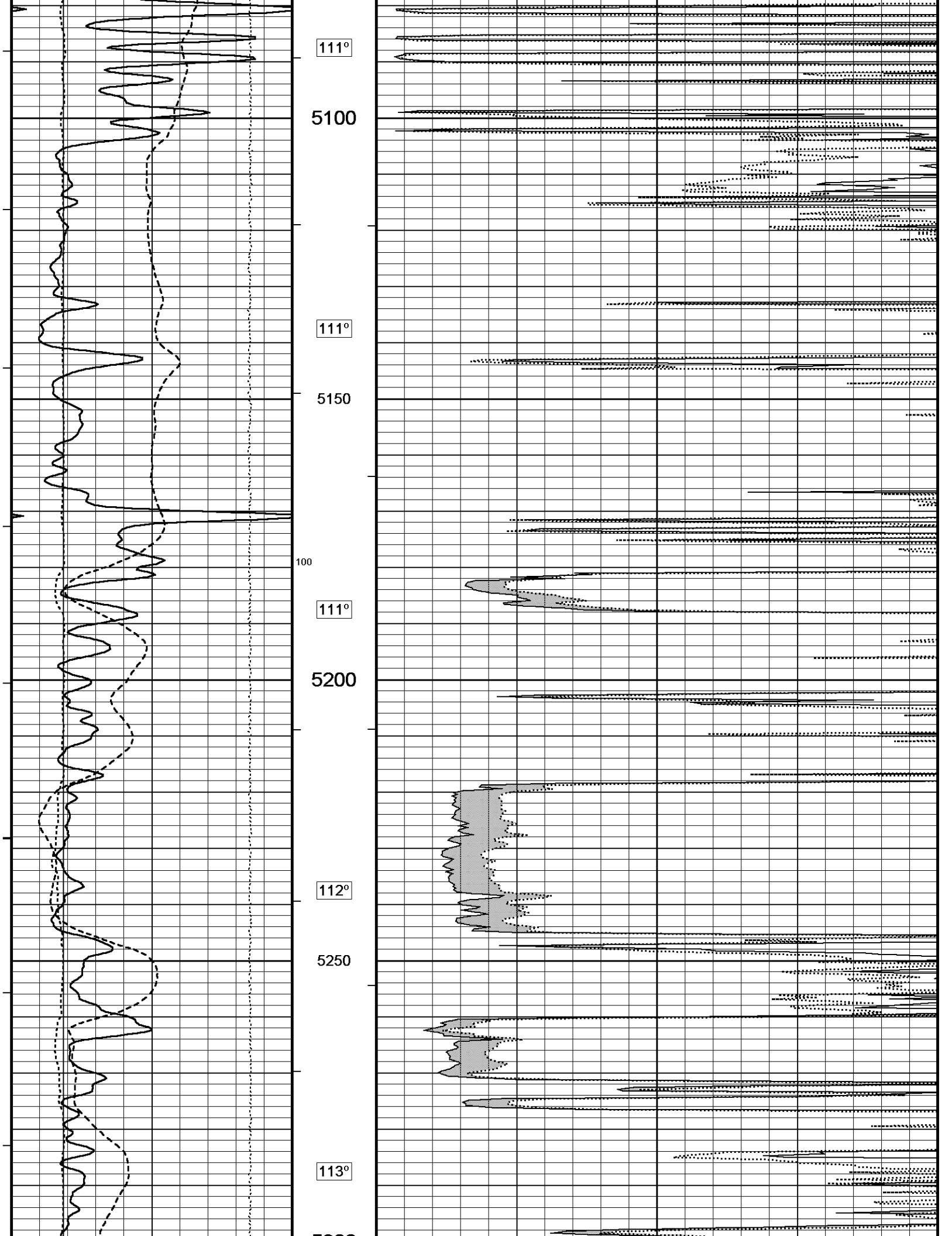
Depth in Feet

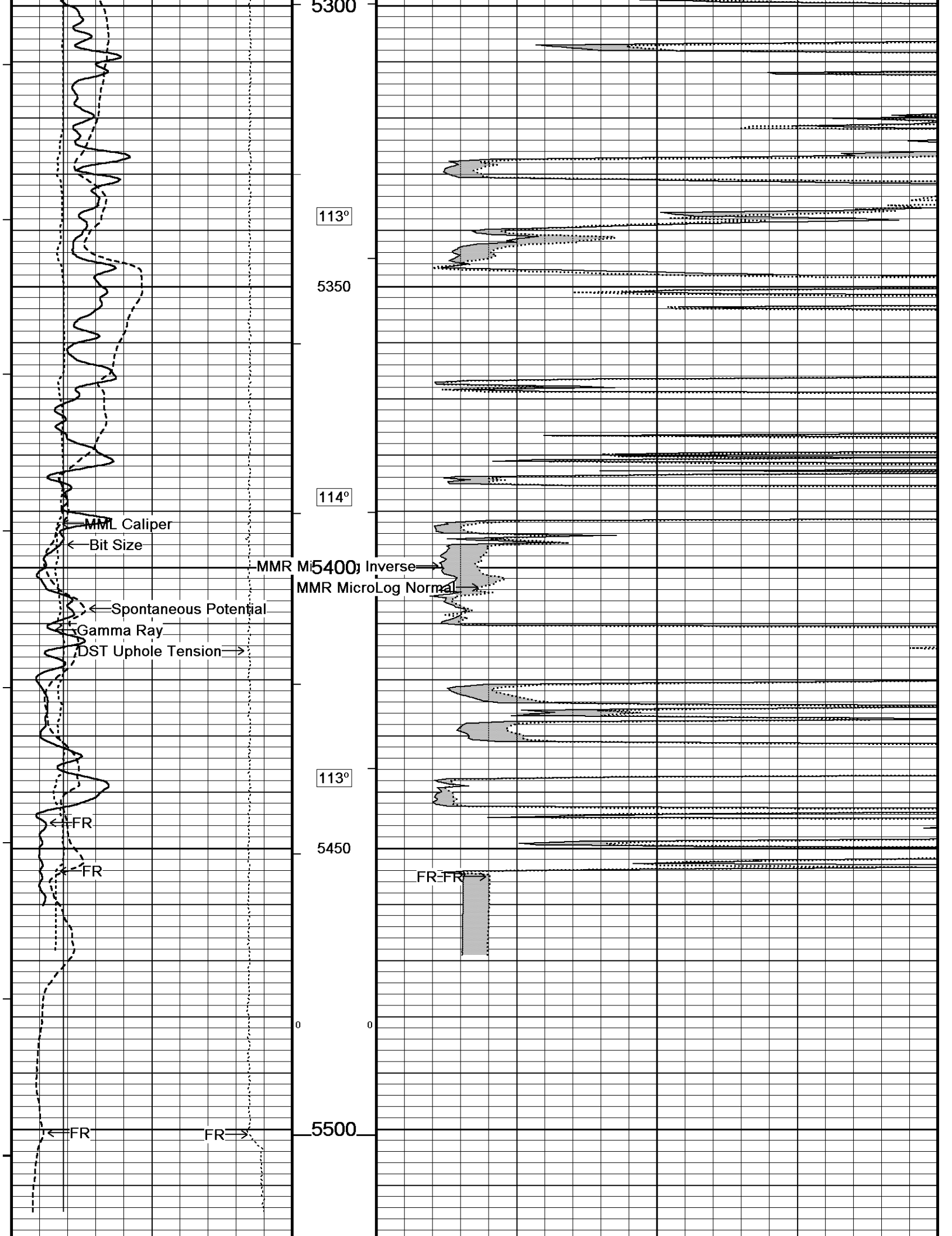
Borehole Temp in deg F

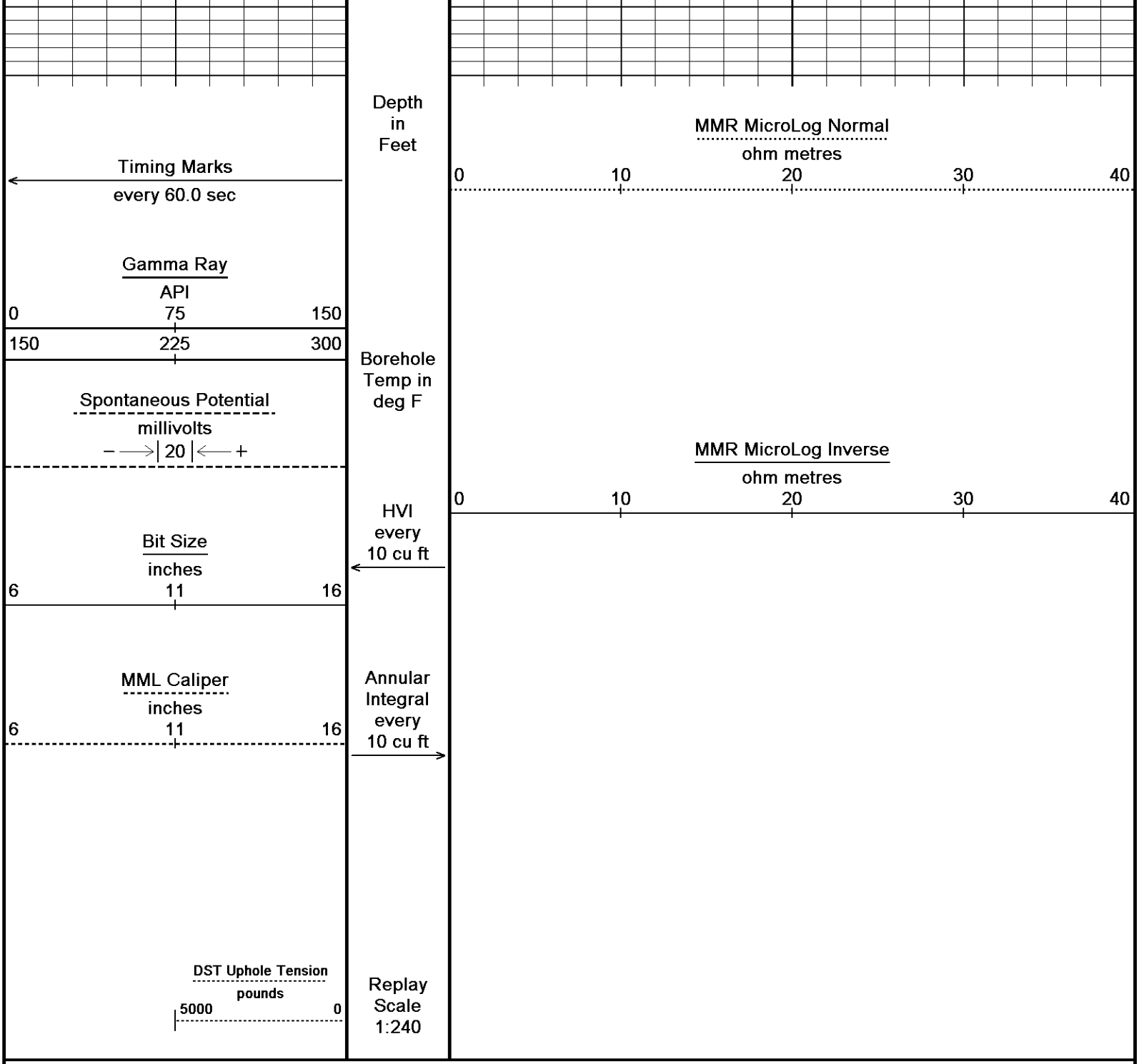
MMR MicroLog Normal
ohm metres
0 10 20 30 40

MMR MicroLog Inverse


ohm metres
0
10
20
30
40
HVI
every
10 cu ft
Bit Size
inches
6
11
16
MML Caliper
inches
6
11
16
Annular
Integral
every
10 cu ft
DST Uphole Tension
pounds
5000
0
Replay
Scale
1:240
4950
110°
5000
MML Caliper
Bit Size
MMR MicroLog Inverse
MMR MicroLog Normal
Spontaneous Potential
Gamma Ray
DST Uphole Tension
100
110°
5050


111°
5100
111°
5150
100
111°
5200
112°
5250
113°


5300
113°
5350
114°
MML Caliper
Bit Size
MMR Micro Inverse
5400
MMR MicroLog Normal
Spontaneous Potential
Gamma Ray
DST Uphole Tension
113°
FR
5450
FR
FR-FR
0
0
FR
FR
5500



Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 04-MAR-2017 07:43

Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_002.dta — Recorded on 03-MAR-2017 22:46

System Versions: Logged with 16.05.4955 Plotted with 16.05.4955

REPEAT SECTION

BEFORE SURVEY CALIBRATION

C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1-36\McCoy Reed Trust 'A' #1-36_002.dta

General Constants All 000 — Last Edited on 03-MAR-2017,22:06

General Parameters		
Mud Resistivity	0.990	ohm-metres
Mud Resistivity Temperature	75.000	degrees F
Water Level	0.000	feet
Borehole Fluid Processing	Wet Hole	
Hole/Annular Volume and Differential Caliper Parameters		
HVOL Method	Single Caliper	
HVOL Caliper 1	Density Caliper	

HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	N/A	
Annular Volume Diameter	4.500	inches
Caliper for Differential Caliper	None	

Rwa Parameters

Porosity used	Base Density Porosity
Resistivity used	Array Ind. One Res Rt
RWA Constant A	0.620
RWA Constant M	2.150
SW/APOR Tool Source	0.000

Down-hole Tension Calibration SMS 0

Field Calibration on 16-FEB-2017 01:57

Reading No	Measured	Calibrated (lbs)
1	493.46	0.00
2	-2294.05	481.00

Gamma Calibration MCG-C 123

Field Calibration on 03-MAR-2017 11:09

	Measured	Calibrated (API)
Background	71	49
Calibrator (Gross)	733	505
Calibrator (Net)	662	456

Gamma Calibration Tolerances MCG-C 123

Ratio 1.452 (1.40 – 1.475 – 1.55) Counts/API

Gamma Constants MCG-C 123

Last Edited on 03-MAR-2017,20:51

Gamma Calibrator Number	MCGGRCC141	
GRC-M Calibrator Jig in Use?	NO	
Inactive Background Jig in Use?	NO	
Mud Density	1.09	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Potassium Equivalence	Chloride	
K Mud Concentration	0.00	%

High Resolution Temperature Calibration MCG-C 123

Field Calibration on 11-FEB-2017,15:04

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	100.00	100.00

High Resolution Temperature Constants MCG-C 123

Last Edited on 22-SEP-2015,11:43

Pre-filter Length	11

SP Calibration MCG-C 123

Field Calibration on 03-MAR-2017,11:10

	Measured	Calibrated (mV)
Reference 1	100.9	100.0
Reference 2	-99.4	-99.9

Caliper Calibration MML-A 7

Base Calibration on 11-FEB-2017 10:20
Field Calibration on 03-MAR-2017 10:49

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14066	5.98
2	17366	7.97
3	20600	9.86
4	24449	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
7.99	7.97

Caliper Calibration Tolerances MML-A 7

Short Arm Field Cal. 7.99 (7.77 – 7.97 – 8.17) in

Micro Normal and Micro Inverse Calibration MML-A 7

Base Calibration on 11-FEB-2017 10:26
Field Check on 03-MAR-2017 10:51

Base Calibration

Channel	Measured Resistor 1	Measured Resistor 2	Calibrated (ohm-m) Resistor 1	Calibrated (ohm-m) Resistor 2
Micro Normal	10.1	50.4	5.1	25.6
Micro Inverse	10.0	50.1	3.4	16.9

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	76.8	76.8
Micro Inverse	51.0	51.0

Micro Normal & Micro Inverse Calibration Tolerance MML-A 7

Micro Normal Res. 1 10.1 ohm (-5% 10.0 +5%)
Micro Inverse Res. 1 10.0 ohm (-5% 10.0 +5%)
Micro Normal Res. 2 50.4 ohm (-5% 50.0 +5%)
Micro Inverse Res. 2 50.1 ohm (-5% 50.0 +5%)

Micro Normal Base Check 76.8 ohm-m (-2% 76.60 +2%)
Micro Inverse Base Check 51.0 ohm-m (-2% 50.97 +2%)

Micro Normal Field Check 76.8 ohm-m (-2% 76.8 +2%)
Micro Inverse Field Check 51.0 ohm-m (-2% 51.0 +2%)

Micro Normal and Micro Inverse Constants MML-A 7

Last Edited on 03-MAR-2017,20:50

Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159	
Micro Normal K Factor	0.5110	
Micro Inverse K Factor	0.3380	
Standoff Offset	N/A	inches

Neutron Calibration MDN-A.B 66

Base Calibration on 11-FEB-2017,10:45
Field Calibrator at Base Calibration on 03-MAR-2017 11:14

Base Calibration

	Measured Near	Measured Far	Calibrated (cps) Near	Calibrated (cps) Far
	3031	94	3714	110
Ratio	32.309		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	2092	3032
Ratio	0.690	

Field Check

	Calibrated (cps)	
	2196	3136
Ratio	0.700	

Neutron Calibration Tolerances MDN-A.B 66

Ratio 32.309 (-5% 33 +5%)
Base Check 0.690 (0.65 0.7 0.75)
Field Check 0.700 (0.670 0.690 0.710)

Neutron Constants MDN-A.B 66

Last Edited on 03-MAR-2017,20:50

Neutron Source Id	P0204NN	
Neutron Jig Number	NJ5736	
Air Hole Processing	Legacy	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi

Temperature Source	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-B.J 352

Base Calibration on 11-FEB-2017 10:10
Field Check on 03-MAR-2017 10:39

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	993.6	126.8
Base Check		272.8
Field Check		272.9

FE Calibration Tolerances MFE-B.J 352

Reference 2	993.6	-3% 980.0 +3%	ohm
Base Check	272.8	-2% 277.0 +2%	ohm-m
Field Check	272.9	-2% 272.8 +2%	ohm-m

FE Constants MFE-B.J 352

Last Edited on 03-MAR-2017,20:50

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Borehole Correction Constants		
Sonde Position	0.5	inches
Hole Size Source	Density Caliper	
Hole Size Constant Value	N/A	inches
Rm Source	Global Value: Temperature Corrected	
Temp. for Rm Corr.	MCG External Temperature	

Sonic Constants MSS-A.A 55

Last Edited on 03-MAR-2017,20:49

Maximum Boundary Contrast	100.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated Sonic	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	N/A	micro-sec
MX3FT	N/A	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft
Sonde Mode	Compensated	
Hole Type	Open Hole	

Sonde Parameters

	Measured	Calibrated
Offset	N/A	0.0000
Free Pipe	N/A	N/A

Peak Amplitude Source N/A

Waveform	Start Time (micro-sec)	Width (micro-sec)	Pre Gain	Start Gain	Discriminator (mV)
3'	N/A	N/A	N/A	N/A	N/A
4'	N/A	N/A	N/A	N/A	N/A
5'	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A

Processed Fixed Gate Parameters

Waveform Used For Processing N/A

Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	

Full Waveform Parameters

Use 3' Waveform to derive TR	N/A	
Use 4' Waveform to derive TR	N/A	
Use 5' Waveform to derive TR	N/A	
Use 6' Waveform to derive TR	N/A	
3' Waveform Discriminator Level	N/A	mV
4' Waveform Discriminator Level	N/A	mV
5' Waveform Discriminator Level	N/A	mV
6' Waveform Discriminator Level	N/A	mV
Waveform Discriminator Filter	N/A	
Semblance Window Width	N/A	micro-sec
Sonic Despiker	N/A	N/A

Induction Calibration MAI-A.A 111

Base Calibration on 11-FEB-2017,10:02
Field Check on 03-MAR-2017 10:38

Base Calibration

Test Loop Calibration	Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High
1	17.6	473.6	9.3	966.2
2	6.4	385.9	7.6	821.4
3	3.2	264.0	5.2	566.0
4	2.1	135.5	2.6	279.2
Array Temperature		23.0	Deg F	

Test Loop Calibration Verified 03-DEC-2016,14:48

Channel	Base Check (mmho/m)		Field Check (mmho/m)		
	Low	High	Low	High	
1	10.6	3867.8	9.7	3865.8	
2	29.4	3524.5	27.5	3522.1	
3	28.8	3018.5	27.1	3016.5	
4	19.0	2056.6	17.8	2055.0	
Deep	17.5	1960.2	16.4	1958.8	
Medium	42.9	3973.0	40.5	3970.4	
Shallow	43.8	5227.4	41.0	5224.0	
Array Temperature		43.0		66.6	Deg F

Induction Calibration Tolerances MAI-A.A 111

Low Conductivity 1	17.6	13.0 17.0 21.0	mmho/m	High Conductivity 1	473.6	430.0 475.0 520.0 mmho/m
Low Conductivity 2	6.4	4.5 6.0 7.5	mmho/m	High Conductivity 2	385.9	345.0 385.0 425.0 mmho/m
Low Conductivity 3	3.2	1.0 3.5 6.0	mmho/m	High Conductivity 3	264.0	240.0 260.0 280.0 mmho/m
Low Conductivity 4	2.1	0.0 2.0 4.0	mmho/m	High Conductivity 4	135.5	120.0 135.0 150.0 mmho/m
Background Vx 1	0.0	-110.0 -32.5 45.0	mmho/m	Phase Check Loop 1	0.0	-2.0 0.0 2.0 %
Background Vx 2	0.0	-35.0 20.0 75.0	mmho/m	Phase Check Loop 2	0.0	-2.0 0.0 2.0 %
Background Vx 3	0.0	-60.0 2.5 65.0	mmho/m	Phase Check Loop 3	0.0	-2.0 0.0 2.0 %
Background Vx 4	0.0	-50.0 -17.5 15.0	mmho/m	Phase Check Loop 4	0.0	-2.0 0.0 2.0 %

Induction Constants MAI-A.A 111

Last Edited on 03-MAR-2017,20:49

Induction Model	RtAP-WBM	
Borehole Correction Constants		
Tool Centred	No	
Hole Size Source	Density Caliper	
Hole Size Constant Value	N/A	inches
Stand-off Type	Fins	

Stand-off Type	Fins	
Stand-off	0.50	inches
Number of Fins on Stand-off	8.0000	
Stand-off Fin Angle	45.00	degrees
Stand-off Fin Width	0.5000	inches
Rm Source	Global Value: Temperature Corrected	
Temp. for Rm Corr.	MCG External Temperature	
Squasher Start	0.0020	mhos/metre
Squasher Offset	N/A	mhos/metre

Borehole Normalisation

DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

Symmetrised Receiver Gains

Receiver 1	1.00
Receiver 2	1.00
Receiver 3	1.00
Receiver 4	1.00

Apparent Porosity and Water Saturation Constants

Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Rxo	0.00	

High Resolution Temperature Calibration MAI-A.A 111

Field Calibration on 13-JAN-2017,11:28

	Measured	Calibrated(Deg F)
Lower	10.00	10.00
Upper	100.00	100.00

High Resolution Temperature Constants MAI-A.A 111

Last Edited on 26-JUN-2014,15:06

Pre-filter Length	11

Photo Density Calibration MPD-B 104

Base Calibration on 11-FEB-2017 11:11
Field Check on 03-MAR-2017 10:47

Density Calibration

Base Calibration

	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Background	1135	1314		
Reference 1	49907	23891	59556	30836
Reference 2	20183	2416	24941	2541

Field Check at Base

1135.4	1313.9

Field Check

1126.0	1310.0

PE Calibration

Base Calibration

	Measured			Calibrated
	WS	WH	Ratio	Ratio
Background	206	1011		
Reference 1	21020	49728	0.427	0.371
Reference 2	5897	20051	0.299	0.272

Field Check at Base

205.9	1011.5

Field Check

207.5	1002.6

Photo Density Calibration Tolerances MPD-B 104

Near Density Ratio	2.56	-5% 2.52 +5%	Far Density Ratio	20.48	-5% 21.00 +5%
PE Calibration	0.120	0.089 0.110 0.131			
Near Den. Field Check	1126.0	-3% 1135.4 +3%	Far Den. Field Check	1310.0	-3% 1313.9 +3%
PE WS Field Check	207.5	-6% 205.9 +6%	PE WH Field Check	1002.6	-6% 1011.5 +6%

Density Constants MPD-B 104

Last Edited on 03-MAR-2017,20:50

Density Source Id	P50557B	
Nylon Calibrator Number	DNCE695	
Aluminium Calibrator Number	DACD698	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.09	gm/cc
Mud Density Z/A Multiplier	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc
Density Z/A Correction	Hybrid	
Precision Enhanced Density Processing	Not Applied	

Matrix Density (gm/cc)	Depth (ft)
2.71	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

Caliper Calibration MPD-B 104

Base Calibration on 11-FEB-2017 10:55
Field Calibration on 03-MAR-2017 10:42

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14696	3.99
2	23744	5.98
3	32402	7.97
4	40592	9.86
5	49680	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
7.91	7.97

Caliper Calibration Tolerances MPD-B 104

Short Arm Field Cal. 7.91 (7.77 7.97 8.17) in

DOWNHOLE EQUIPMENT

C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1-36\McCoy Reed Trust 'A' #1-36_002.dta

Cablehead, 11 pin
CBH-C 0 LG: 2.40 ft WT: 24.3 lb OD: 2.244 in

Compact Comms Gamma
MCG-C 123 LG: 8.70 ft WT: 63.9 lb OD: 2.244 in

Compact Micro-log
MML-A 7 LG: 7.97 ft WT: 81.6 lb OD: 2.244 in

Compact Neutron
MDN-A.B 66 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

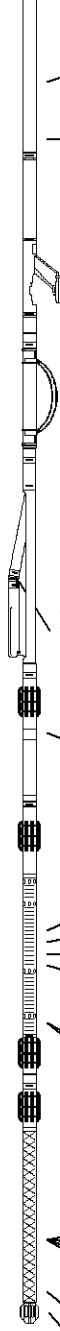
Compact Density/Caliper
MPD-B 104 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in

Compact Focussed Electric
MFE-B.J 352 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Sonic
MSS-A.A 55 LG: 12.52 ft WT: 72.8 lb OD: 2.244 in

Compact Induction
MAI-A.A 111 LG: 10.81 ft WT: 48.5 lb OD: 2.244 in

Total Length: 63.07 ft Weight: 480.6 lb



55.39 ft	GRGC - MCG Gamma Ray
52.48 ft	CGXT - MCG External Temperature
46.76 ft	MLTC - MML Caliper
45.76 ft	MINV - Micro-inverse
45.76 ft	MNRL - Micro-normal
40.97 ft	NPRL - Limestone Neutron Por.
33.73 ft	AVOL - Annular Volume
33.73 ft	HVOL - Hole Volume
33.73 ft	CLDC - Density Caliper
31.80 ft	DPRL - Limestone Density Por.
31.80 ft	DEN - Compensated Density
31.80 ft	DCOR - Density Correction
31.74 ft	PDPE - PE
26.24 ft	FEFE - Shallow FE
16.96 ft	TR11 - 4' Transit Time
16.46 ft	TR21 - 3' Transit Time
15.95 ft	TR12 - 6' Transit Time
15.46 ft	TR22 - 5' Transit Time
12.96 ft	SPRL - Wyllie Lime. Sonic Por.
12.96 ft	DT35 - 3-5' Compensated Sonic
3.34 ft	R40O - Array Ind. One Res 40
3.34 ft	R60O - Array Ind. One Res 60
3.34 ft	CTAO - Array Ind. One Cond Ct
3.34 ft	RTAO - Array Ind. One Res Rt
0.23 ft	SPCG - Spontaneous Potential
Tool Zero	(0.13ft from bottom)
-0.13 ft	SMTU - DST Uphole Tension

All measurements relative to tool zero.

COMPANY	McCOY PETROLEUM CORPORATION
WELL	REED TRUST "A" #1-36
FIELD	WILDCAT
PROVINCE/COUNTY	GRAY
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2780	feet	First Reading	5455.00	feet
Elevation Drill Floor	2778	feet	Depth Driller	5500.00	feet
Elevation Ground Level	2769	feet	Depth Logger	5501.00	feet

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