MICRORESISTIVITY LOG

COMPANY	McCOY PETROLEUM CORPORATION
WELL	UMCC 'A' #2-17
FIELD	WILDCAT
PROVINCE/COUNTY	MEADE
COUNTRY/STATE	U.S.A. / KANSAS
LOCATION	660' FSL & 1980' FWL

SEC	TWP	RGE	Other Services
17	30S	30W	MAI/MFE MPD/MDN

Latitude
Longitude
API Number 15-119-21379

Permanent Datum GL, Elevation 2819 feet
Log Measured From KB
Drilling Measured From KB @ 11 FEET

Elevations:	feet
KB	2830.00
DF	2828.00
GL	2819.00

Date	31-OCT-2014		
Run Number	ONE		
Service Order	4558-101987382		
Depth Driller	5700.00 feet		
Depth Logger	5700.00 feet		
First Reading	5667.00 feet		
Last Reading	4000.00 feet		
Casing Driller	1828.00 feet		
Casing Logger	1829.00 feet		
Bit Size	7.875 inches		
Hole Fluid Type	CHEMICAL		
Density / Viscosity	9.20 lb/USg	48.00 CP	
PH / Fluid Loss	10.00	8.80 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.98 @ 86.0 ohm-m		
Rmf @ Measured Temp	0.78 @ 86.0 ohm-m		
Rmc @ Measured Temp	1.18 @ 86.0 ohm-m		
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	0.69 @122.0 ohm-m		
Time Since Circulation	5 HOURS		
Max Recorded Temp	122.00 deg F		
Equipment / Base	13244	LIB	
Recorded By	ADAM SILL		
Witnessed By	DAVE WILLIAMS		
JOB #	LB14-341		

BOREHOLE RECORD

Last Edited: 31-OCT-2014 21:49

Bit Size inches	Depth From feet	Depth To feet
7.875	1828.00	5700.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1828.00	24.00

REMARKS

- SOFTWARE ISSUE: WLS 14.03.4558.
- RUN ONE: MCG, MML, MDN, MPD, MFE, MAI RUN IN COMBINATION.
  - HARDWARE: DUAL BOWSPRING USED ON MDN.
  0.5 INCH STANDOFF USED ON MFE.
  0.5 INCH STANDOFF USED ON MAI.
- 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: 1332 CU.FT.
- ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO 4000 FEET: 277 CU.FT.
- RIG: STERLING #2

- RIG: STERLING #2.

- ENGINEER: A. SILL.

- OPERATOR: J. DUNLAP, N. ADAME.

5 INCH MAIN

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 01-NOV-2014 05:00

Filename: C:\Minimus 14.03.4558\Logs\McCoy UMCC 'A' #2-17\McCoy UMCC 'A' #2-17_004.dta — Recorded on 01-NOV-2014 02:34

System Versions: Logged with 14.03.4558 Processed with 14.03.4558 Plotted with 14.03.4558

Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150
150 225 300

Spontaneous Potential
millivolts
– → | 20 | ← +

MMR Caliper
inches
6 11 16

Bit Size
inches
6 11 16

DST Uphole Tension
pounds
5000 0

Depth in Feet

Borehole Temp in deg F

HVI every 10 cu ft

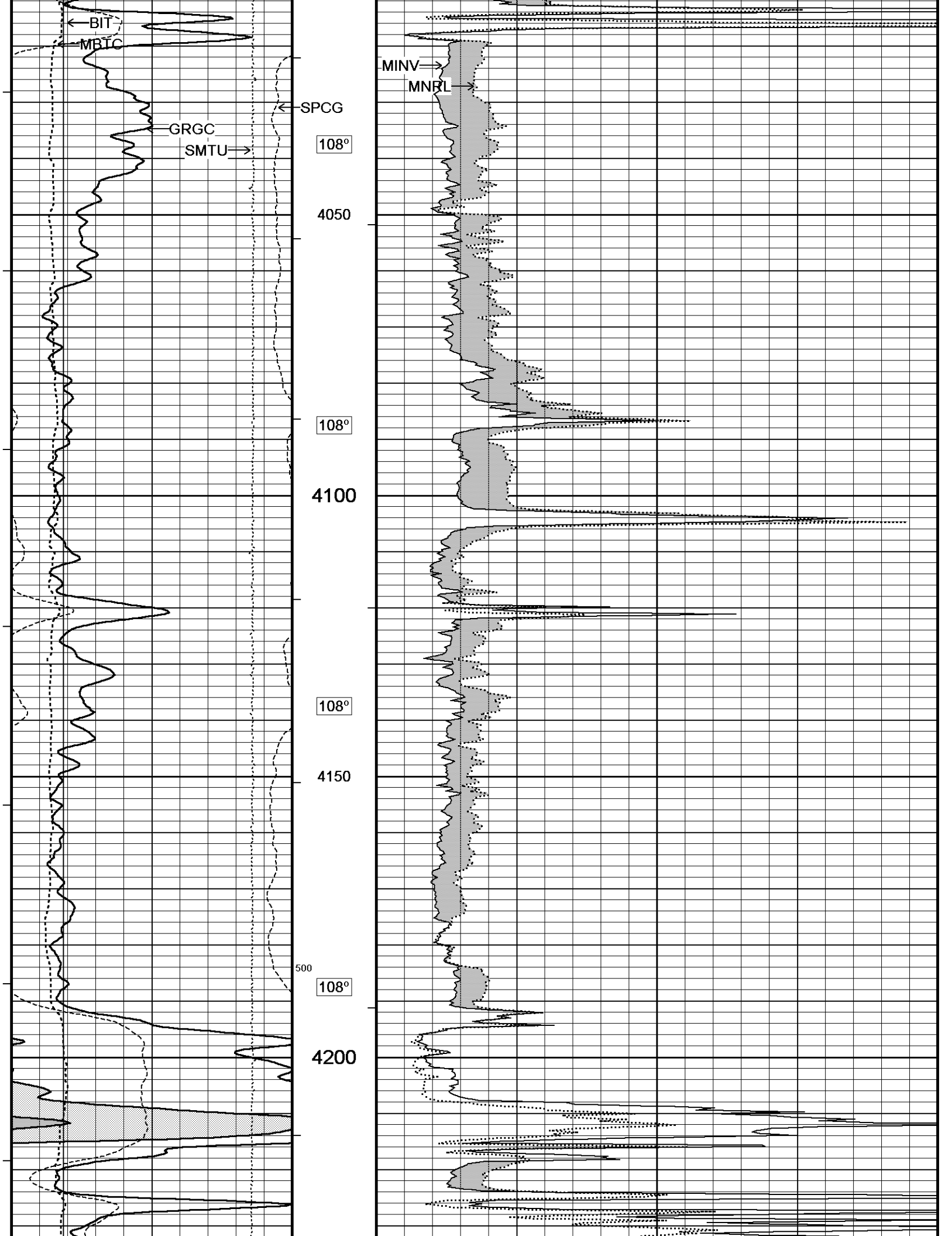
Annular Integral every 10 cu ft

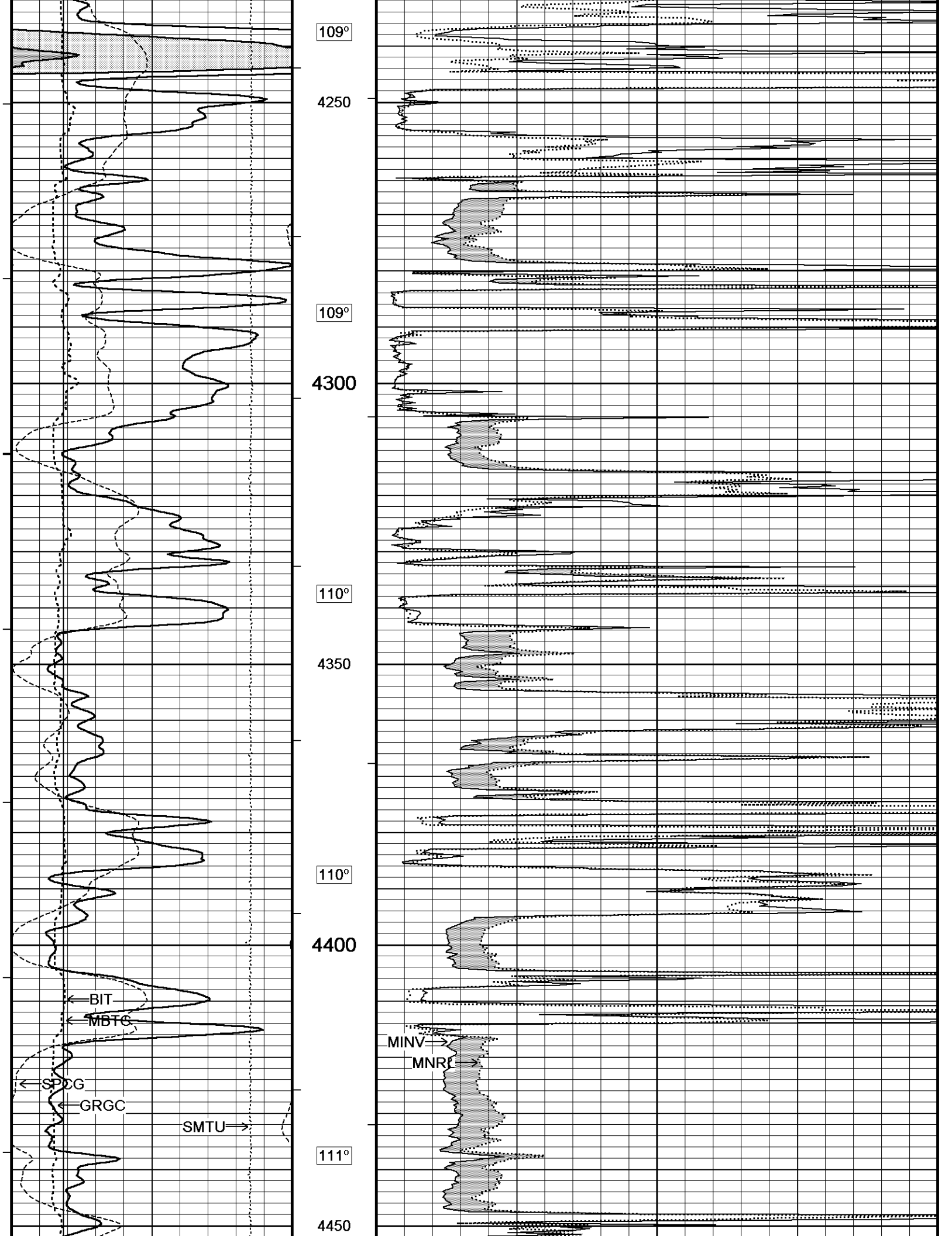
Replay Scale 1:240

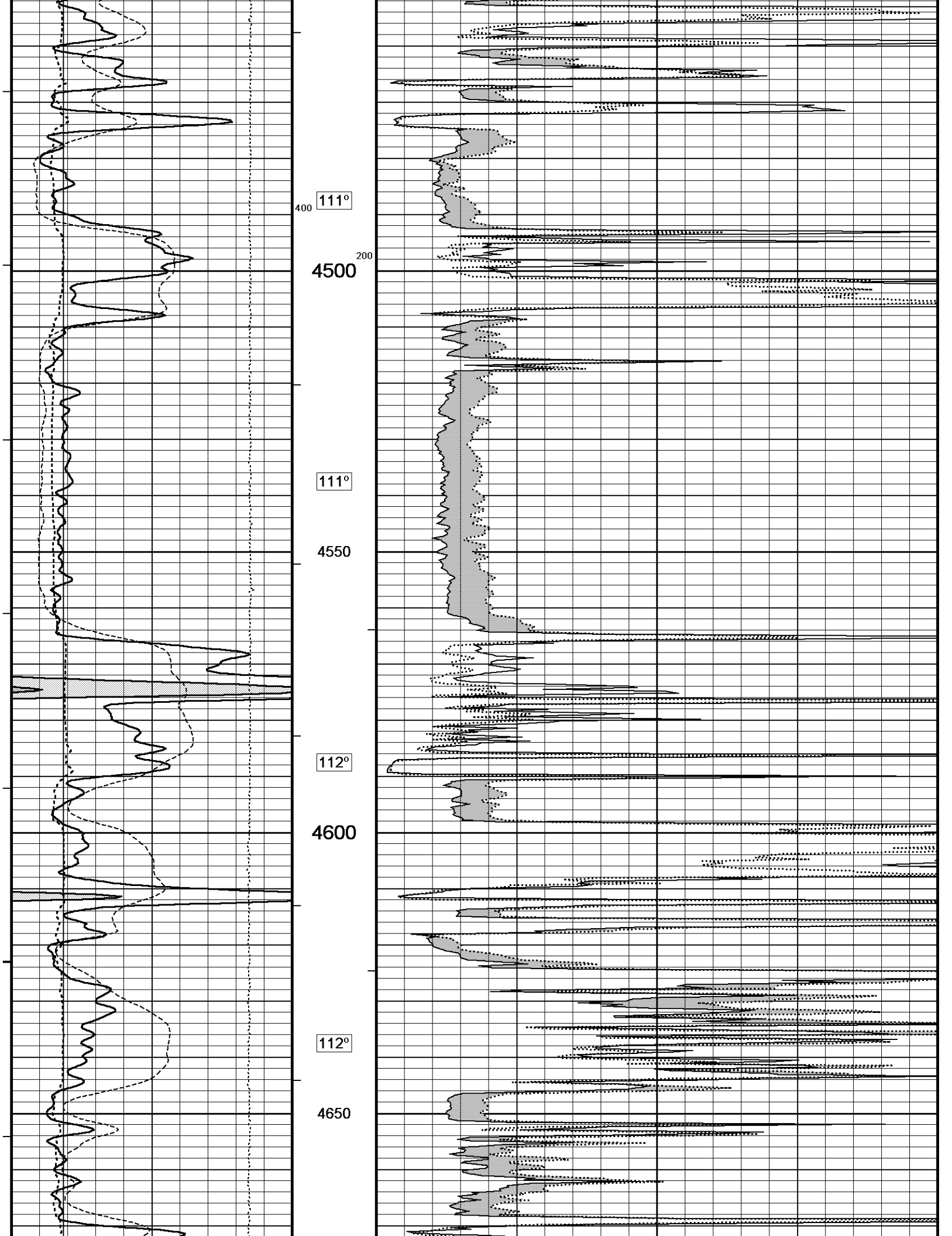
4000

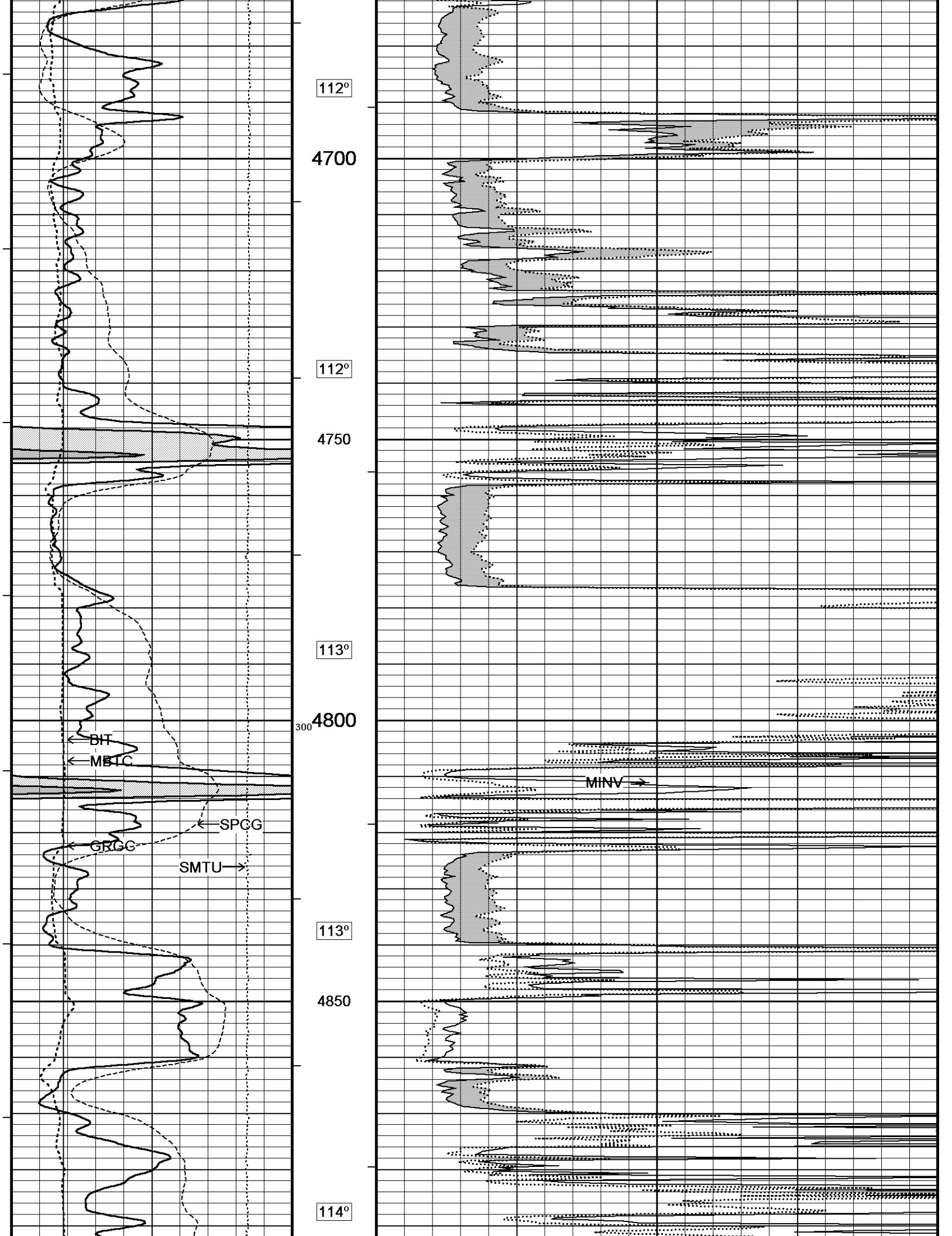
MMR MicroLog Normal
ohm metres
0 10 20 30 40

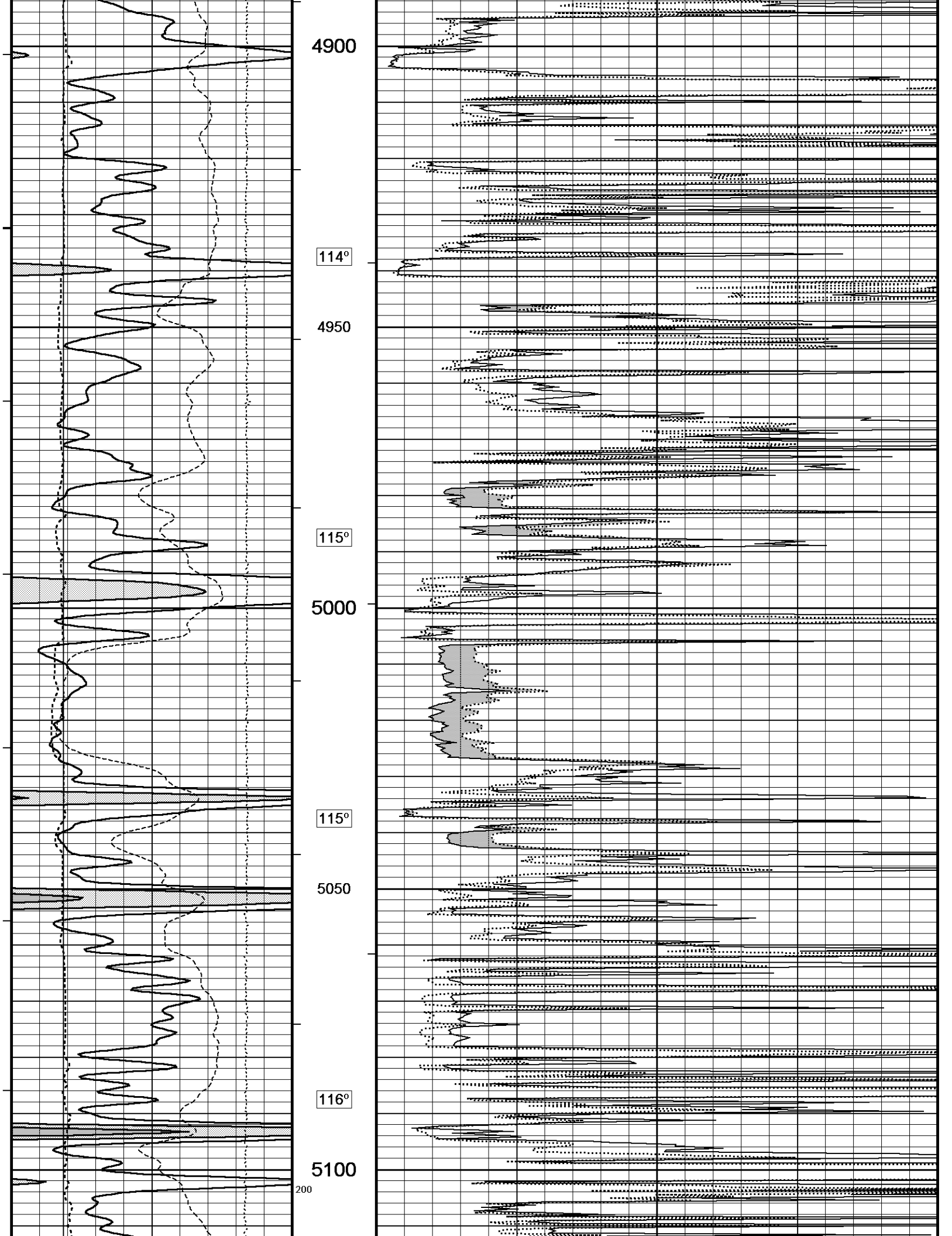
MMR MicroLog Inverse
ohm metres
0 10 20 30 40

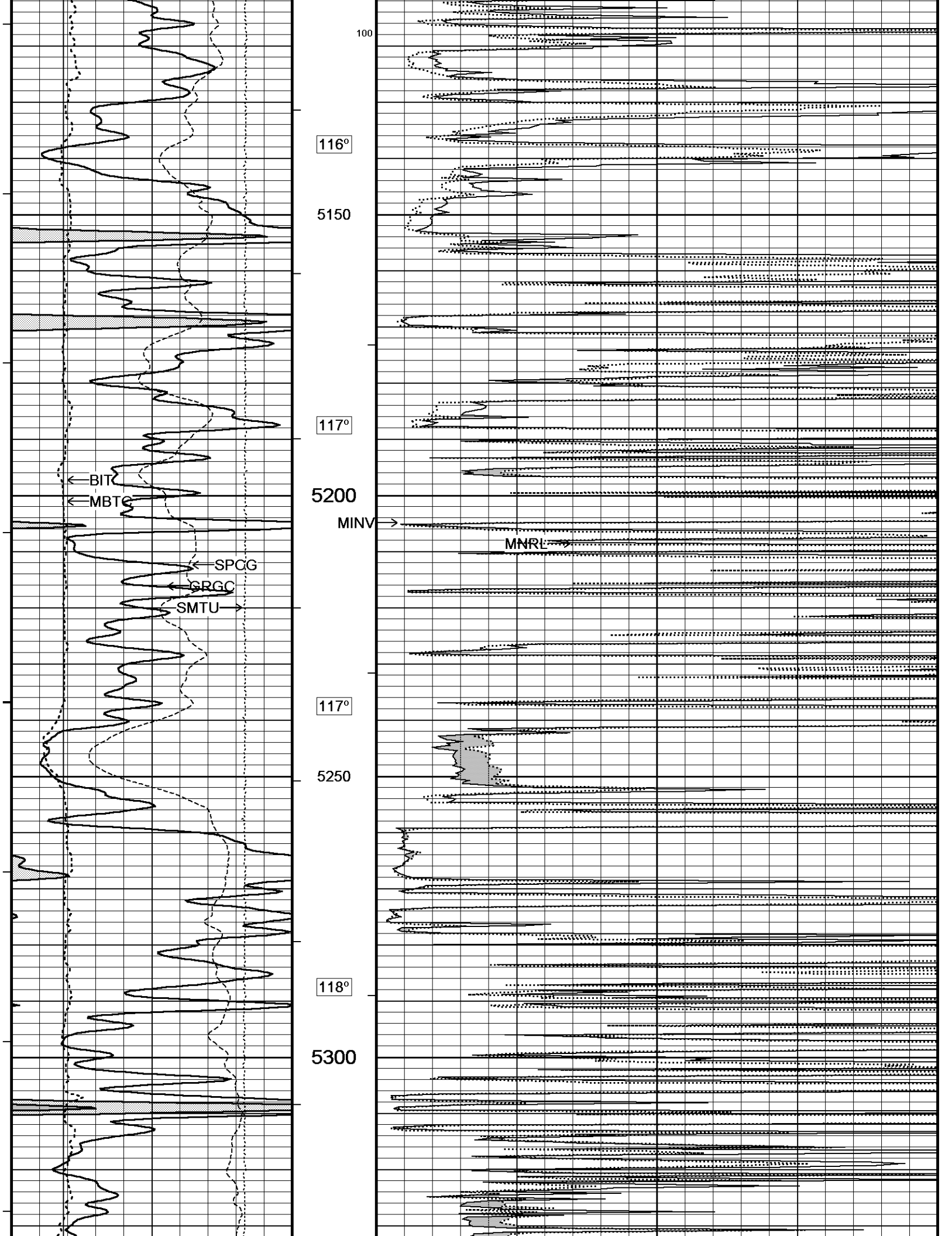

BIT
MBTC
GRGC
SMTU
SPCG
MINV
MNRL
108°
4050
108°
4100
108°
4150
500
108°
4200

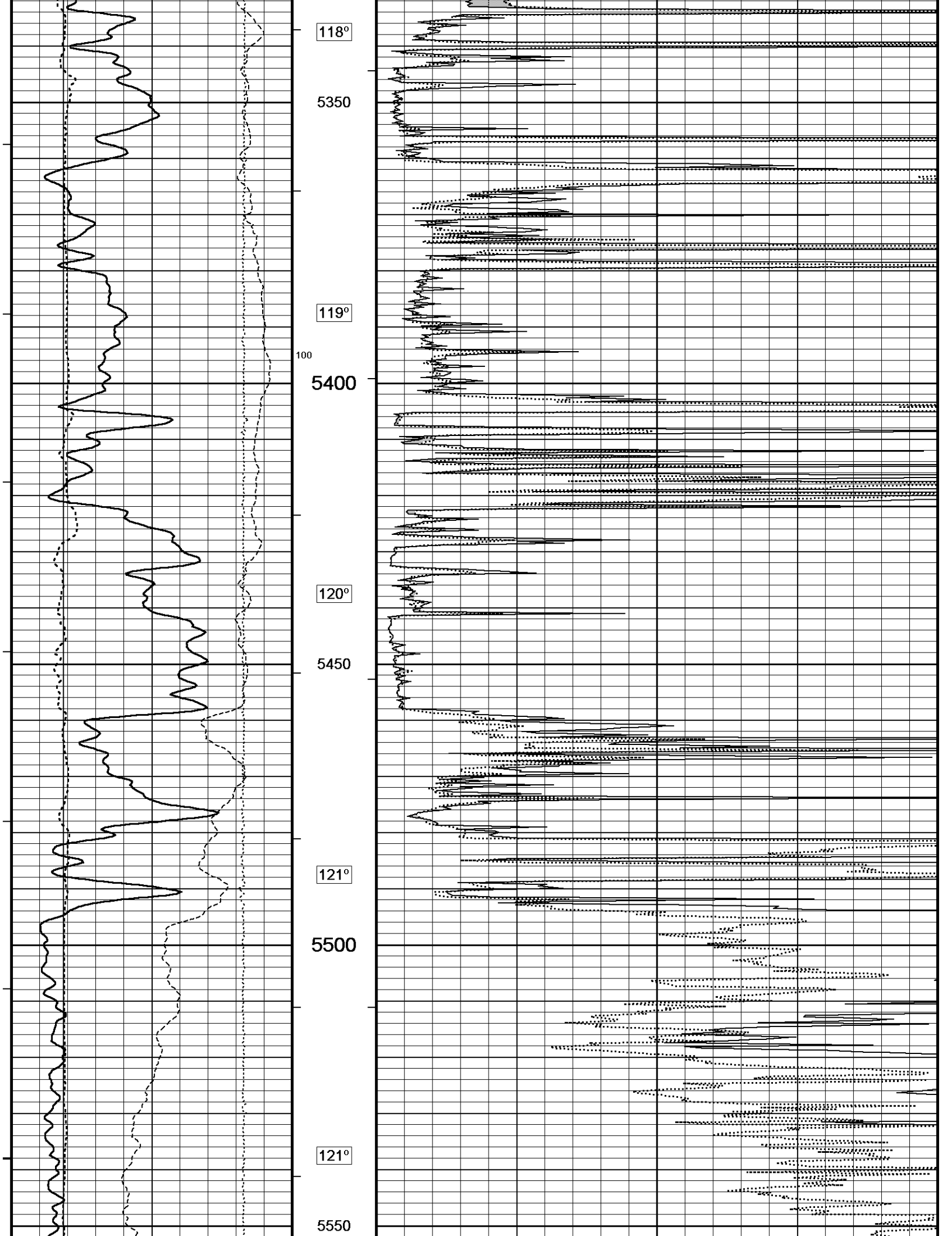

109°
4250
109°
4300
110°
4350
110°
4400
111°
4450
BIT
MBTC
SPCG
GRGC
SMTU
MINV
MNRL

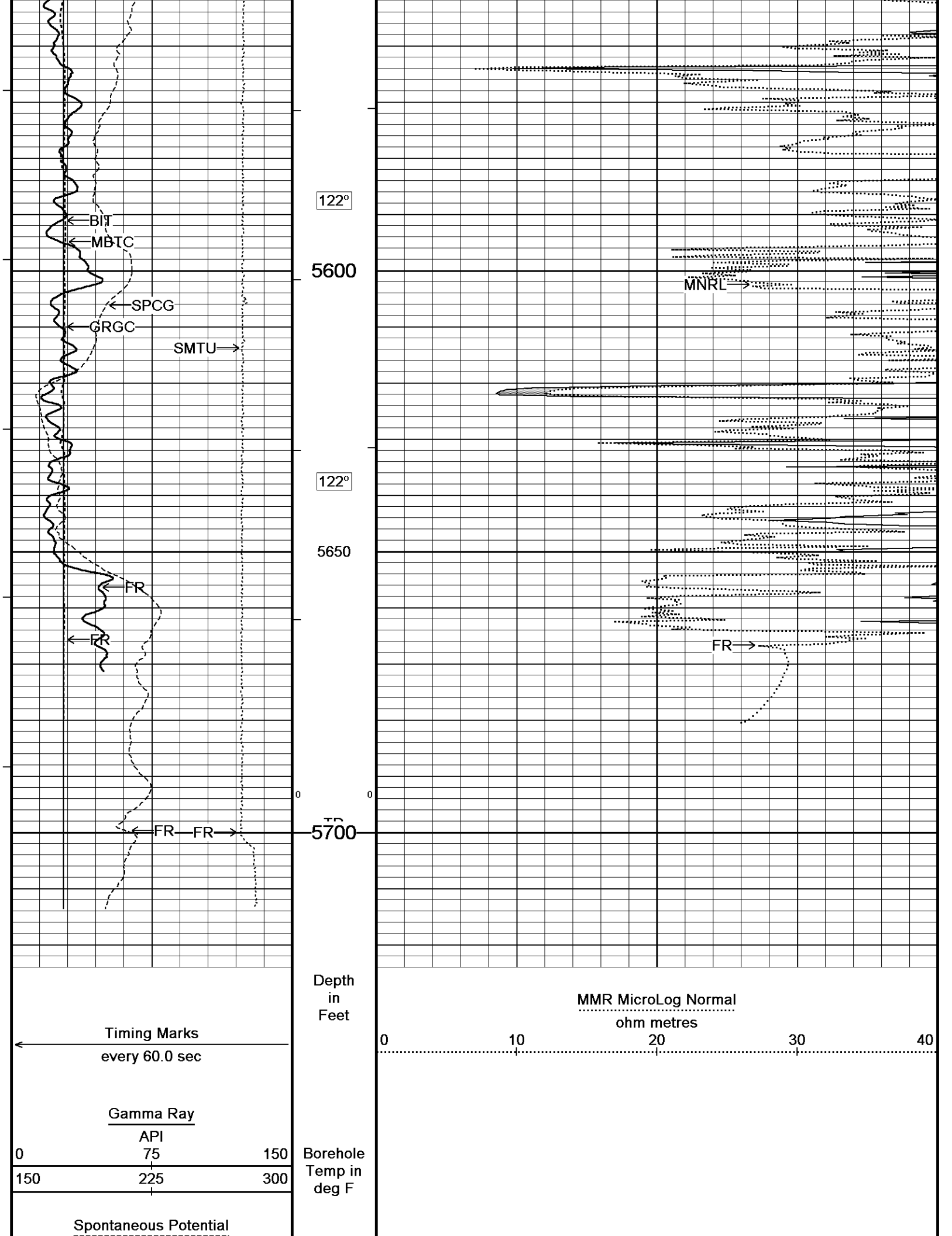

400
111°
200
4500
111°
4550
112°
4600
112°
4650


112°
4700
112°
4750
113°
300
4800
BIT
MBIC
MINV
SPCG
GRGC
SMTU
113°
4850
114°


4900
114°
4950
115°
5000
115°
5050
116°
5100
200


100
116°
5150
117°
BIT
MBTC
5200
MINV
MNRL
SPCG
GRGC
SMTU
117°
5250
118°
5300


118°
5350
119°
100
5400
120°
5450
121°
5500
121°
5550


122°
BIT
MBTC
5600
SPCG
GRGC
SMTU
MNRL
122°
5650
FR
FR
FR
FR
5700
Depth
in
Feet
Timing Marks
every 60.0 sec
MMR MicroLog Normal
ohm metres
0
10
20
30
40
Gamma Ray
API
0
75
150
Borehole
Temp in
deg F
150
225
300
Spontaneous Potential

millivolts
− → | 20 | ← +

HVI
every
10 cu ft

MMR Caliper
inches
6 11 16

Annular
Integral
every
10 cu ft

MMR MicroLog Inverse
ohm metres
0 10 20 30 40

Bit Size
inches
6 11 16

DST Uphole Tension
pounds
5000 0

Replay
Scale
1:240

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 01-NOV-2014 05:00
Filename: C:\Minimus 14.03.4558\Logs\McCoy UMCC 'A' #2-17\McCoy UMCC 'A' #2-17_004.dta — Recorded on 01-NOV-2014 02:34
System Versions: Logged with 14.03.4558 Processed with 14.03.4558 Plotted with 14.03.4558

5 INCH MAIN

10 INCH HIGH RESOLUTION

Depth Based Data - Maximum Sampling Increment 2.5cm — Plotted on 01-NOV-2014 05:00
Filename: C:\Minimus 14.03.4558\Logs\McCoy UMCC 'A' #2-17\McCoy UMCC 'A' #2-17_002.dta — Recorded on 01-NOV-2014 01:41
System Versions: Logged with 14.03.4558 Plotted with 14.03.4558

Depth
in
Feet

MMR MicroLog Normal
ohm metres
0 10 20 30 40

Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150
150 225 300

Borehole
Temp in
deg F

Spontaneous Potential
millivolts
− → | 20 | ← +

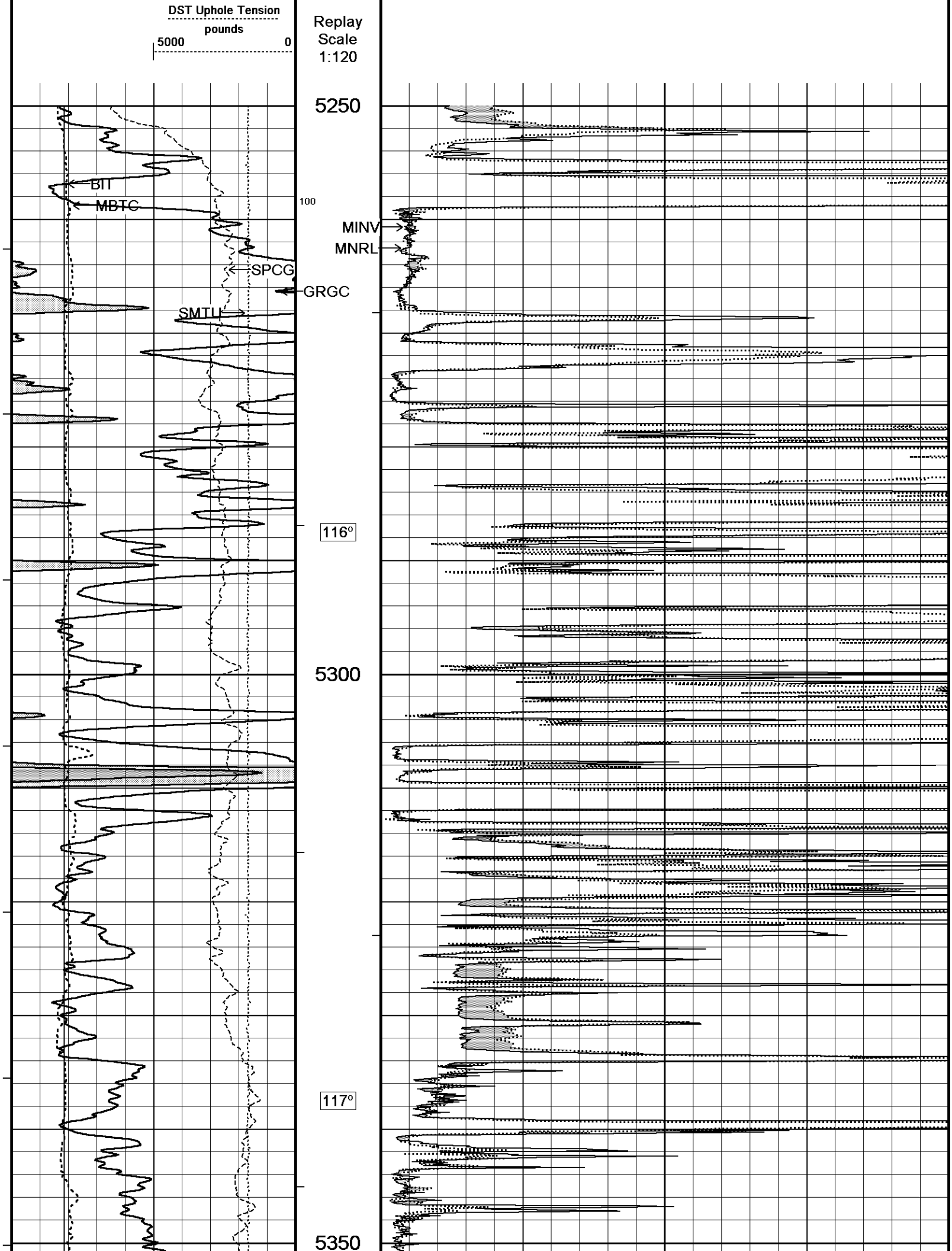
HVI
every
10 cu ft

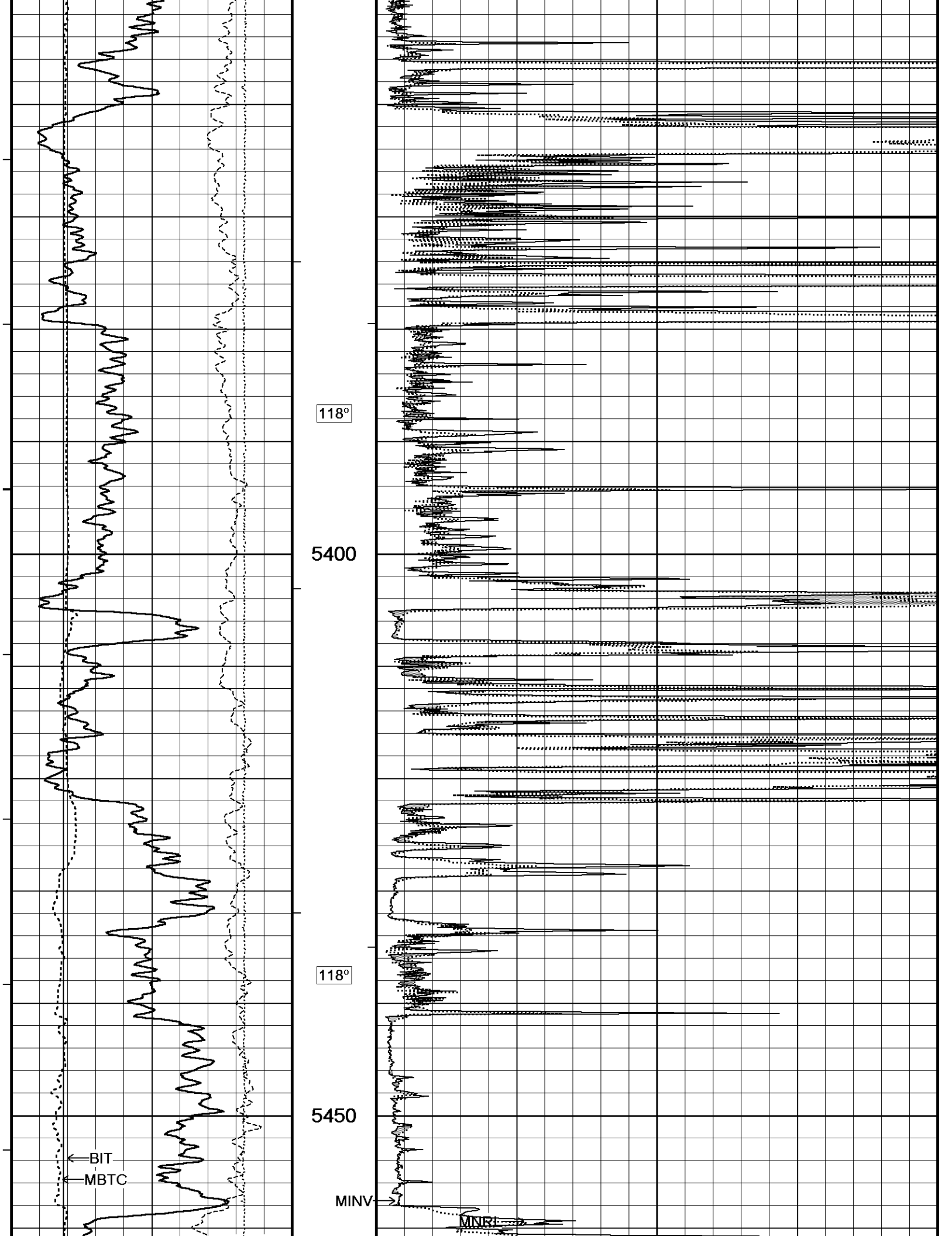
MMR Caliper
inches
6 11 16

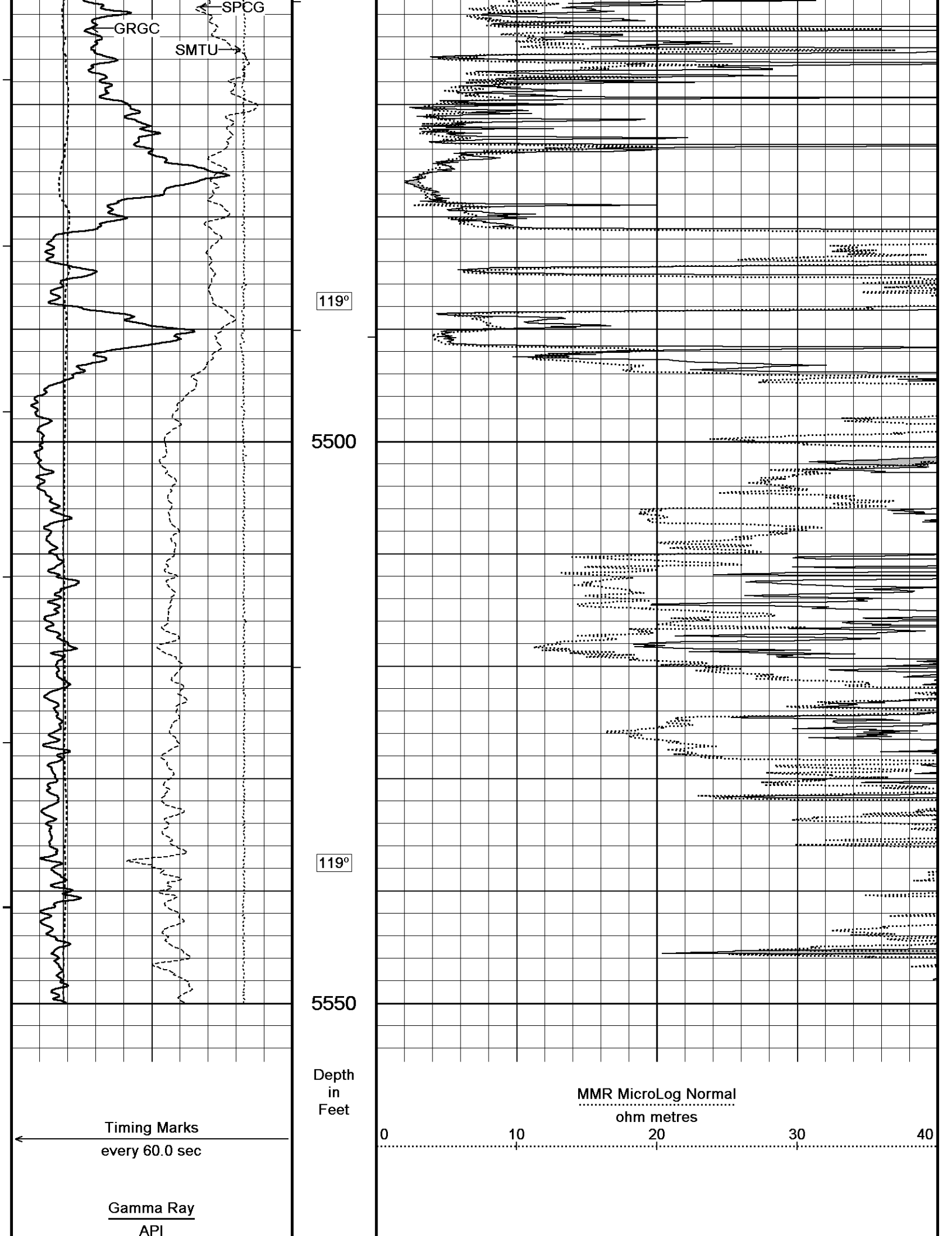
MMR MicroLog Inverse
ohm metres
0 10 20 30 40

Annular
Integral
every
10 cu ft

Bit Size
inches
6 11 16


DST Uphole Tension
pounds
5000
0
Replay
Scale
1:120
5250
BIT
MBTC
100
MINV
MNRL
SPCG
GRGC
SMTU
116°
5300
117°
5350


118°
5400
118°
5450
BIT
MBTC
MINV
MNRL


SPCG
GRGC
SMTU
119°
5500
119°
5550
Depth
in
Feet
Timing Marks
every 60.0 sec
Gamma Ray
API
MMR MicroLog Normal
ohm metres
0
10
20
30
40

0 75 150
150 225 300
Borehole Temp in deg F

Spontaneous Potential
millivolts
– → | 20 | ← +

HVI every 10 cu ft

MMR Caliper
inches
6 11 16

Annular Integral every 10 cu ft

MMR MicroLog Inverse
ohm metres
0 10 20 30 40

Bit Size
inches
6 11 16

DST Uphole Tension
pounds
5000 0

Replay Scale 1:120

Depth Based Data - Maximum Sampling Increment 2.5cm — Plotted on 01-NOV-2014 05:00
Filename: C:\Minimus 14.03.4558\Logs\McCoy UMCC 'A' #2-17\McCoy UMCC 'A' #2-17_002.dta — Recorded on 01-NOV-2014 01:41
System Versions: Logged with 14.03.4558 Plotted with 14.03.4558

10 INCH HIGH RESOLUTION

REPEAT SECTION

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 01-NOV-2014 05:00
Filename: C:\Minimus 14.03.4558\Logs\McCoy UMCC 'A' #2-17\McCoy UMCC 'A' #2-17_003.dta — Recorded on 01-NOV-2014 01:41
System Versions: Logged with 14.03.4558 Processed with 14.03.4558 Plotted with 14.03.4558

Depth in Feet

MMR MicroLog Normal
ohm metres
0 10 20 30 40

Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150
150 225 300
Borehole Temp in deg F

Spontaneous Potential
millivolts
– → | 20 | ← +

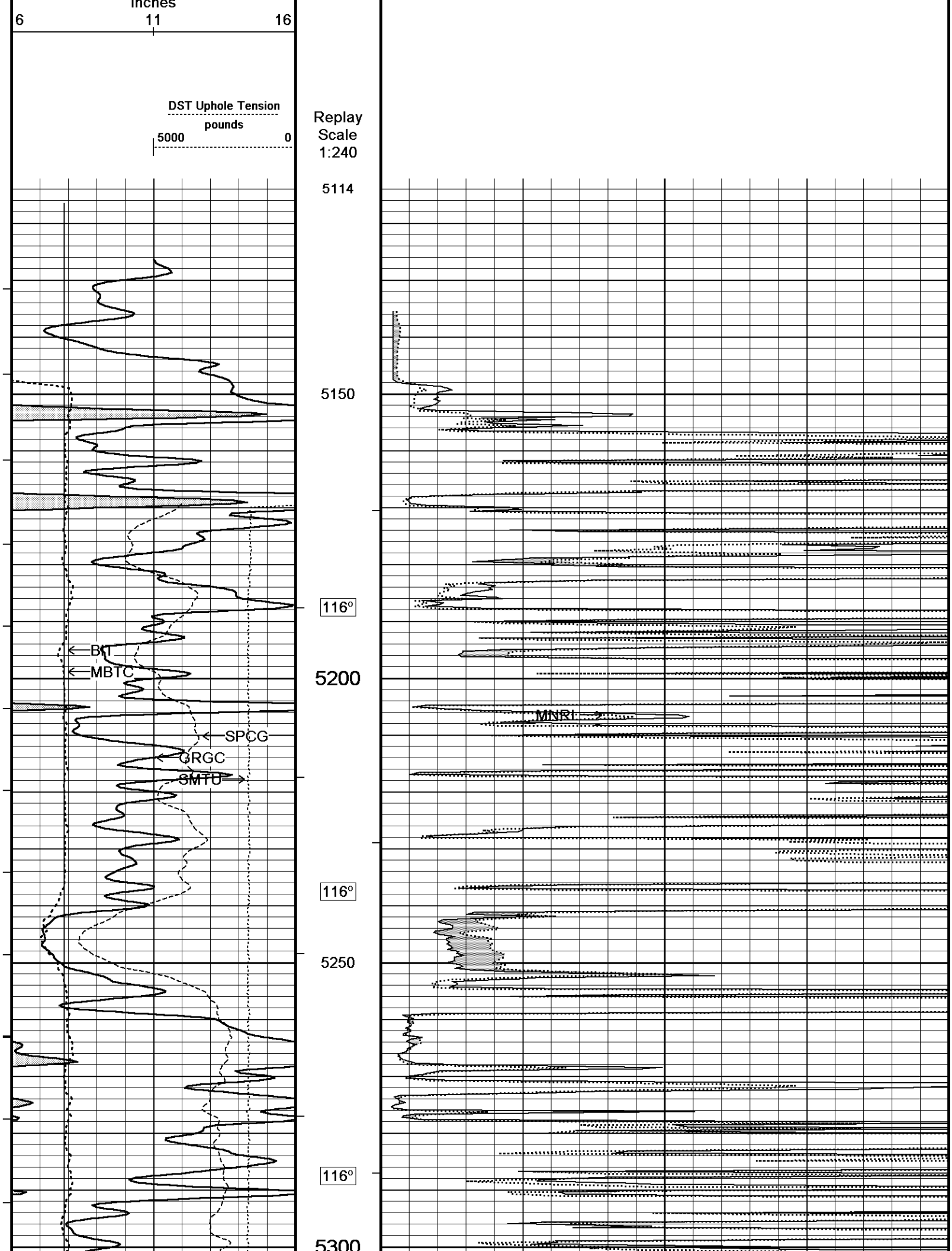
HVI every 10 cu ft

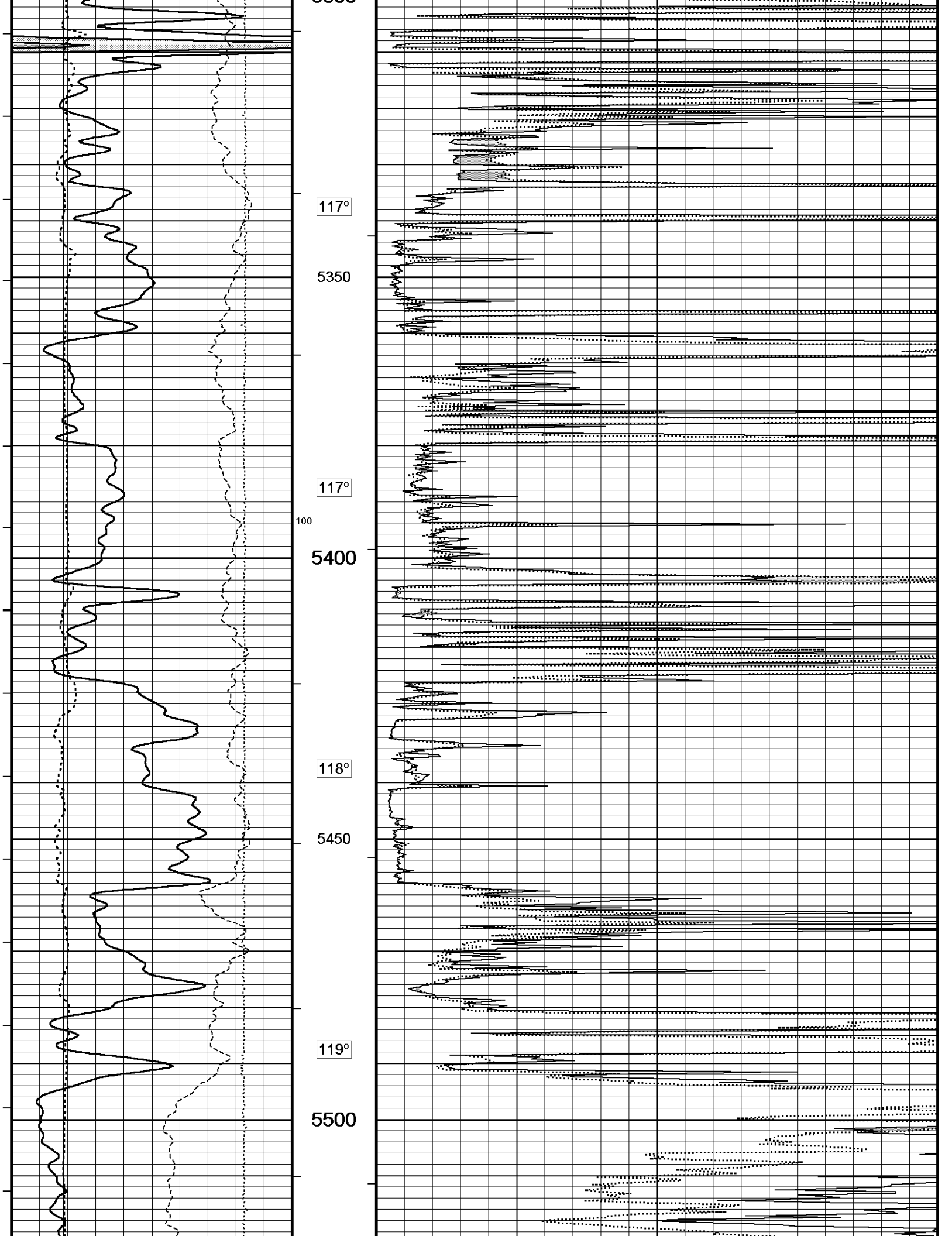
MMR Caliper
inches
6 11 16

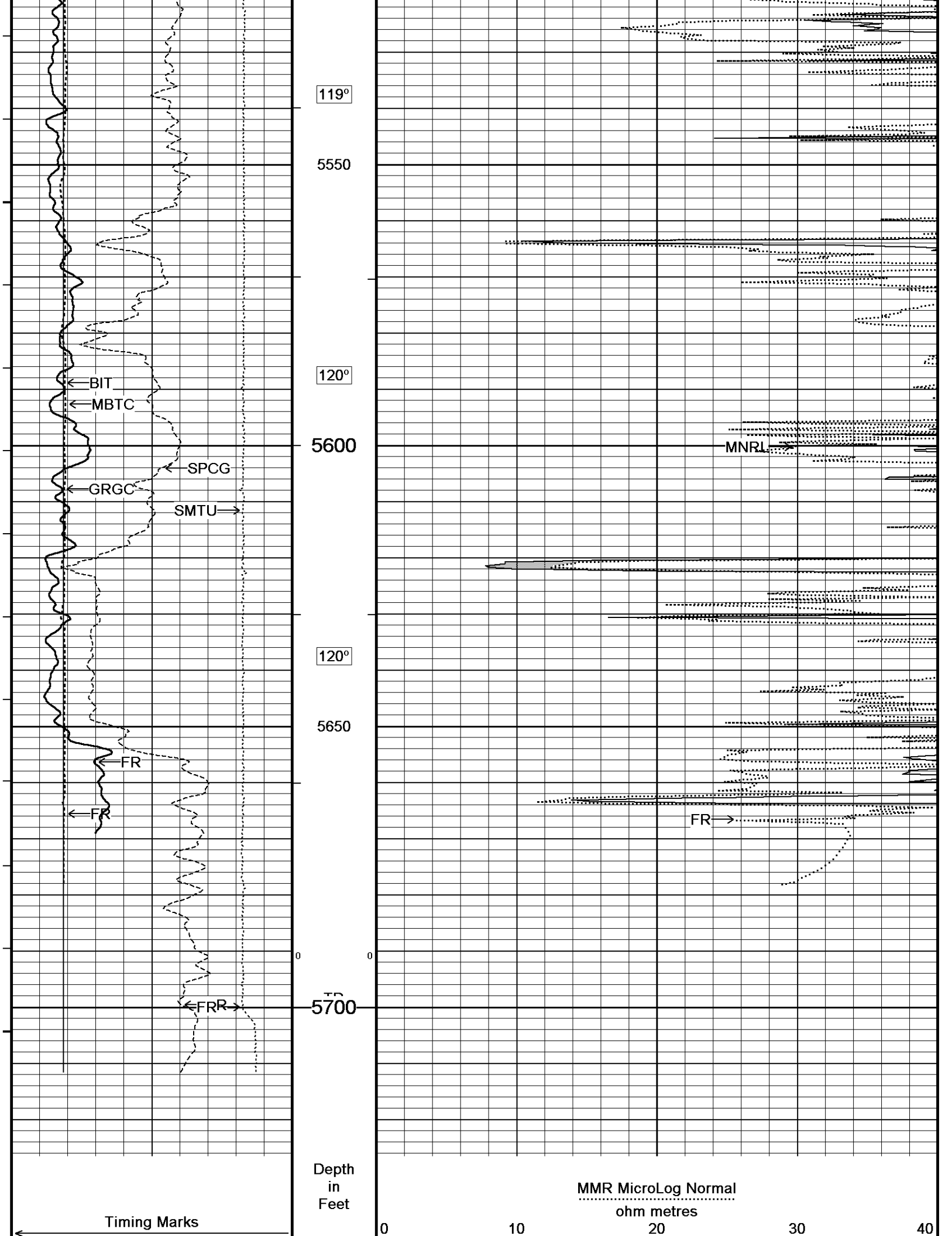
MMR MicroLog Inverse
ohm metres
0 10 20 30 40

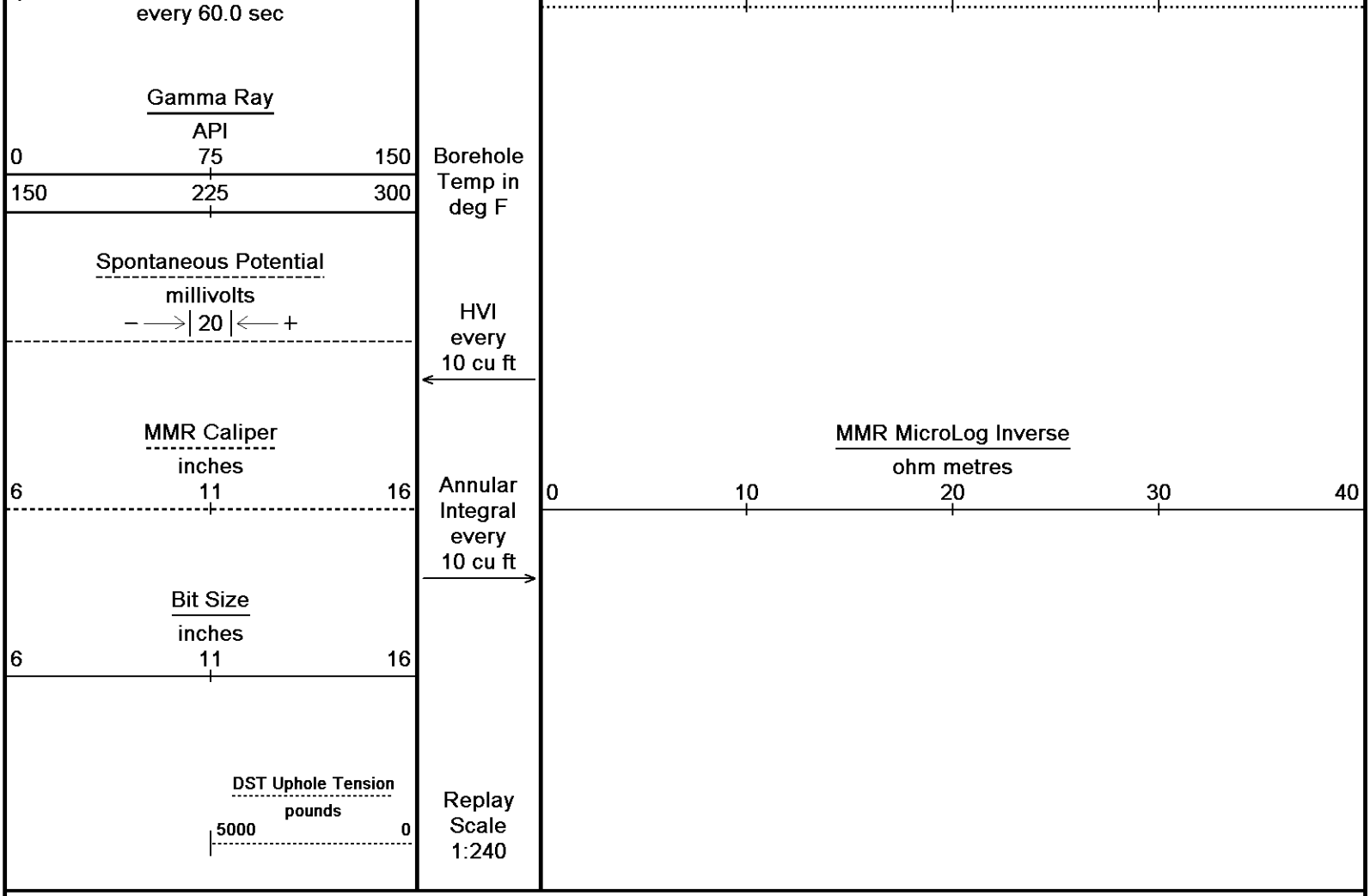
Annular Integral every 10 cu ft

Bit Size


inches
6
11
16
DST Uphole Tension
pounds
5000
0
Replay
Scale
1:240
5114
5150
116°
BIT
MBTC
5200
SPCG
GRGC
SMTU
MNRI
116°
5250
116°
5300


117°
5350
117°
100
5400
118°
5450
119°
5500


119°
5550
120°
5600
120°
5650
5700
BIT
MBTC
SPCG
GRGC
SMTU
FR
FR
FRR
MNRL
FR
0
0
Depth
in
Feet
Timing Marks
MMR MicroLog Normal
ohm metres
0
10
20
30
40



Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 01-NOV-2014 05:00

Filename: C:\Minimus 14.03.4558\Logs\McCoy UMCC 'A' #2-17\McCoy UMCC 'A' #2-17_003.dta — Recorded on 01-NOV-2014 01:41

System Versions: Logged with 14.03.4558 Processed with 14.03.4558 Plotted with 14.03.4558

REPEAT SECTION

BEFORE SURVEY CALIBRATION

C:\Minimus 14.03.4558\Logs\McCoy UMCC 'A' #2-17\McCoy UMCC 'A' #2-17_003.dta

General Constants All 000

Last Edited on 01-NOV-2014,01:00

General Parameters		
Mud Resistivity	0.980	ohm-metres
Mud Resistivity Temperature	86.000	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 2	N/A	
Annular Volume Diameter	5.500	inches
Caliper for Differential Caliper	None	
Rwa Parameters		
Porosity used	Crossplot Porosity	
Resistivity used	Array Ind. Four Res Rt	
RWA Constant A	0.610	
RWA Constant M	2.150	
SW/APOR Tool Source	0.000	

Down-hole Tension Calibration SMS 0

Field Calibration on 30-OCT-2014 14:32

Reading No	Measured	Calibrated (lbs)
1	15642.77	0.00

2	16066.82	481.00

Gamma Calibration MCG-C 208

Field Calibration on 31-OCT-2014 14:55

	Measured	Calibrated (API)
Background	77	53
Calibrator (Gross)	1129	778
Calibrator (Net)	1052	725

Gamma Calibration Tolerances MCG-C 208

Ratio 1.451 (1.40 | 1.475 | 1.55) Counts/API

Gamma Constants MCG-C 208

Last Edited on 31-OCT-2014,22:00

Gamma Calibrator Number	GRC038	
GRC-M Calibrator Jig in Use?	NO	
Inactive Background Jig in Use?	NO	
Mud Density	1.10	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl		kppm
K Mud Type	Chloride	
K Mud Concentration	0.00	%

SP Calibration MCG-C 208

Field Calibration on 28-OCT-2014 16:26

	Measured	Calibrated (mV)
Reference 1	100.0	99.2
Reference 2	-98.0	-99.0

High Resolution Temperature Calibration MCG-C 208

Field Calibration on 23-SEP-2014,19:44

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

High Resolution Temperature Constants MCG-C 208

Last Edited on 23-SEP-2014,19:44

Pre-filter Length	11

Caliper Calibration MMR-C.A 248

Base Calibration on 23-OCT-2014 09:52
Field Calibration on 31-OCT-2014 13:42

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	13737	5.96
2	17108	7.98
3	20397	9.85
4	24360	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
8.02	7.97

Caliper Calibration Tolerances MMR-C.A 248

Short Arm Field Cal. 8.02 (7.77 | 7.97 | 8.17) in

Micro Normal and Micro Inverse Calibration MMR-C.A 248

Base Calibration on 23-OCT-2014 10:02
Field Check on 30-OCT-2014 10:19

Base Calibration

Channel	Measured Resistor 1	Measured Resistor 2	Calibrated (ohm-m) Resistor 1	Calibrated (ohm-m) Resistor 2
Micro Normal	10.2	49.9	5.1	25.6
Micro Inverse	9.9	49.5	3.4	16.9

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	93.5	93.5
Micro Inverse	62.2	62.2

Micro Normal & Micro Inverse Calibration Tolerance MMR-C.A 248

Micro Normal Res. 1	10.2	ohm	Micro Normal Res. 2	49.9	ohm
Micro Inverse Res. 1	9.9	ohm	Micro Inverse Res. 2	49.5	ohm
Micro Normal Base Check	93.5	ohm-m			
Micro Inverse Base Check	62.2	ohm-m			
Micro Normal Field Check	93.5	ohm-m			
Micro Inverse Field Check	62.2	ohm-m			

Micro Normal and Micro Inverse Constants MMR-C.A 248

Last Edited on 19-SEP-2014,16:14

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	0.0000	inches

Micro-Resistivity Caliper Constants MMR-C.A 248

Last Edited on

Sonde Configuration	Resistivity Mode

Micro Laterolog Calibration MMR-C.A 248

Base Calibration on 31-DEC-1999 00:00
Field Check on 31-DEC-1999 00:00

Base Calibration

Measured		Calibrated (ohm-m)	
Ref 1	Ref 2	Ref 1	Ref 2
0.0	0.0	0.0	0.0

Base Check (ohm-m)	Field Check (ohm-m)
0.0	0.0

Micro Laterolog Constants MMR-C.A 248

Last Edited on 23-SEP-2014,18:59

Pad Type	6 in Solid Nylon B23059	
Micro Laterolog K Factor	0.0128	
Standoff Offset	0.0000	inches

Mudcake Thickness Correction Constants

Mud Cake Source	Constant Value	
Mud Cake Thickness	0.4000	inches
Mud Cake Thickness Caliper	N/A	
Mud Cake Resistivity	0.1500	ohm-m
Mud Cake Resistivity Temp.	68.00	Deg F
Mud Cake Resistivity Source	Constant Value	
Temp. Source Rmc Correc.	N/A	

Neutron Calibration MDN-A.B 163

Base Calibration on 22-OCT-2014 17:32
Field Check on 31-OCT-2014 15:01

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3042	93	3714	110
Ratio	32.627		33.764	

Field Calibrator at Base

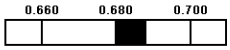
	Calibrated (cps)	
	1687	2482
Ratio	0.680	

Field Check

	Calibrated (cps)	
	1689	2455
Ratio	0.688	

Neutron Calibration Tolerances MDN-A.B 163

Near Reading	3042	cps	Far Reading	93	cps
Ratio	32.627				
Base Check	0.680				

Field Check	0.688	

Neutron Constants MDN-A.B 163

Last Edited on 31-OCT-2014,22:00

Neutron Source Id	P58125B	
Neutron Jig Number	5824NE	
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	

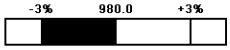
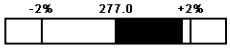
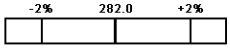
FE Calibration MFE-A.A 55

Base Calibration on 23-OCT-2014 09:18
Field Check on 31-OCT-2014 13:33

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	950.6	126.8
Base Check		282.0
Field Check		281.8

FE Calibration Tolerances MFE-A.A 55

Reference 2	950.6		ohm
Base Check	282.0		ohm-m
Field Check	281.8		ohm-m

FE Constants MFE-A.A 55

Last Edited on 31-OCT-2014,21:59

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Caliper Source for FE correction	Density Caliper	
Caliper Value for FE correction	N/A	inches
Rm Source for FE correction	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Stand-off	0.5	inches

Induction Calibration MAI-A.A 5

Base Calibration on 22-OCT-2014,13:28
Field Check on 31-OCT-2014 13:32

Base Calibration

Test Loop Calibration

Channel	Measured Low	Measured High	Calibrated (mmho/m) Low	Calibrated (mmho/m) High
1	16.3	470.8	9.3	966.2
2	5.6	376.1	7.6	821.4
3	2.6	266.1	5.2	566.0
4	1.6	130.0	2.6	279.2

Array Temperature 71.1 Deg F

Test Loop Calibration Verified

Channel	Base Check (mmho/m) Low	Base Check (mmho/m) High	Field Check (mmho/m) Low	Field Check (mmho/m) High
1	0.0	0.0	14.6	3863.4
2	0.0	0.0	31.6	3591.3
3	0.0	0.0	29.7	2971.7

3	0.0	0.0	29.7	2971.7
4	0.0	0.0	20.7	2126.5
Deep			18.4	1912.3
Medium			42.9	3861.6
Shallow			47.0	5373.5
Array Temperature		0.0	65.9	Deg F

Induction Calibration Tolerances MAI-A.A 5

Low Conductivity 1	16.3	13.0 / 17.0 / 21.0	mmho/m	High Conductivity 1	470.8	430.0 / 475.0 / 520.0	mmho/m
Low Conductivity 2	5.6	4.5 / 6.0 / 7.5	mmho/m	High Conductivity 2	376.1	345.0 / 385.0 / 425.0	mmho/m
Low Conductivity 3	2.6	1.0 / 3.5 / 6.0	mmho/m	High Conductivity 3	266.1	240.0 / 260.0 / 280.0	mmho/m
Low Conductivity 4	1.6	0.0 / 2.0 / 4.0	mmho/m	High Conductivity 4	130.0	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 5

Last Edited on 31-OCT-2014,21:59

Induction Model	RtAP-WBM	
Caliper for Borehole Corr.	Density Caliper	
Hole Size for Borehole Correction	2.500	inches
Tool Centred	No	
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
Borehole Corr. Rm Source	Temperature Corr	
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

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 5

Field Calibration on 01-NOV-2014,01:00

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

High Resolution Temperature Constants MAI-A.A 5

Last Edited on 01-NOV-2014,01:00

Pre-filter Length	11

Photo Density Calibration MPD-D.A 481

Base Calibration on 22-OCT-2014 15:53
Field Check on 31-OCT-2014 14:41

Density Calibration

Base Calibration	Measured Near	Measured Far	Calibrated (sdu) Near	Calibrated (sdu) Far
Background	1210	1421		
Reference 1	55376	26233	59556	30836
Reference 2	22300	2596	24941	2541

Field Check at Base		
	1210.3	1420.8

Field Check		
	1209.7	1418.0

PE Calibration

Base Calibration	WS	Measured WH	Ratio	Calibrated Ratio
Background	227	1078		
Reference 1	23980	55175	0.439	0.371
Reference 2	6780	22159	0.311	0.272

Field Check at Base		
	226.9	1078.0

Field Check		
	229.8	1081.8

Photo Density Calibration Tolerances MPD-D.A 481

Near Density Ratio	2.57	-5% 2.52 +5%	Far Density Ratio	21.11	-5% 21.00 +5%
PE Calibration	0.120	0.089 0.110 0.131			
Near Den. Field Check	1209.7	-3% 1210.3 +3%	Far Den. Field Check	1418.0	-3% 1420.8 +3%
PE WS Field Check	229.8	-6% 226.9 +6%	PE WH Field Check	1081.8	-6% 1078.0 +6%

Density Constants MPD-D.A 481

Last Edited on 31-OCT-2014,22:00

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	1.10	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	

Matrix density (gm/cc)	Depth (m)
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	

Caliper Calibration MPD-D.A 481

Base Calibration on 22-OCT-2014 15:01
Field Calibration on 31-OCT-2014 13:35

Base Calibration

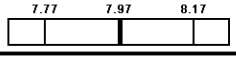
Reading No	Measured	Calibrator Size (in)
1	17509	3.99
2	27597	5.98
3	37616	7.97
4	47437	9.86

4	47457	9.86
5	58570	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
7.98	7.97

Caliper Calibration Tolerances MPD-D.A 481

Short Arm Field Cal. 7.98 

in

DOWNHOLE EQUIPMENT

C:\Minimus 14.03.4558\Logs\McCoy UMCC 'A' #2-17\McCoy UMCC 'A' #2-17_003.dta

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

Compact Comms Gamma
MCG-C 208 LG: 8.70 ft WT: 63.9 lb OD: 2.244 in

Compact Micro-Resistivity
MMR-C.A 248 LG: 8.59 ft WT: 81.6 lb OD: 4.882 in

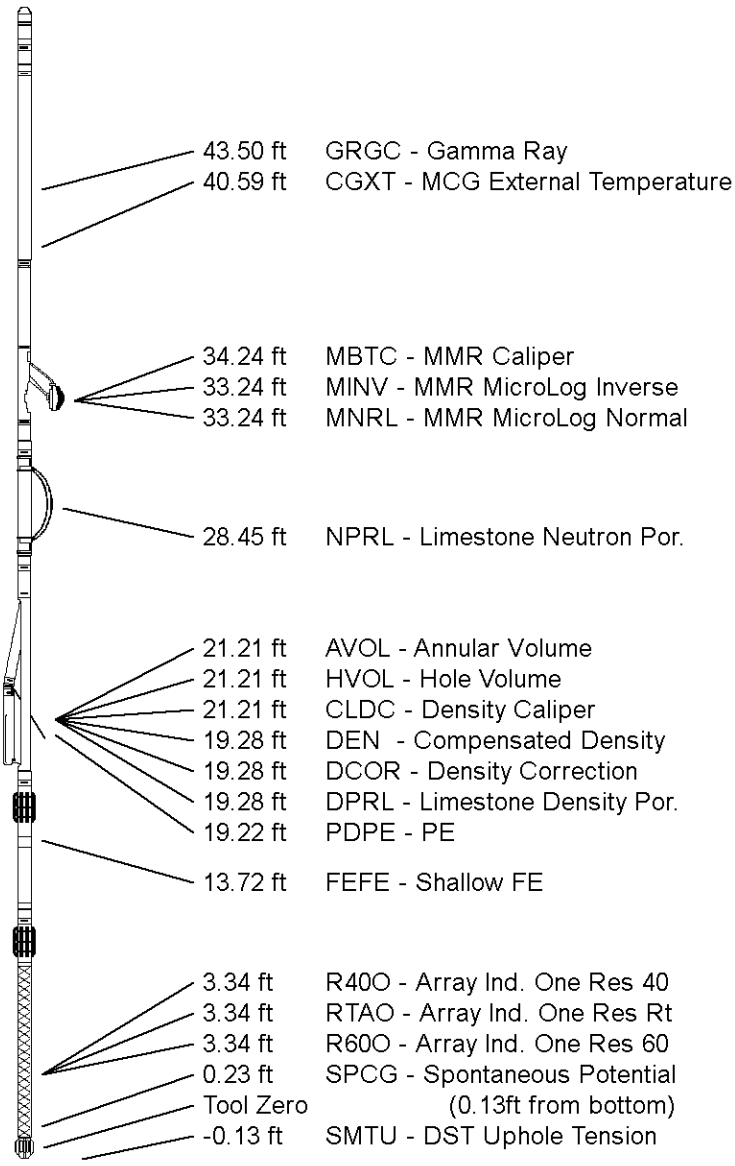
Compact Neutron
MDN-A.B 163 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

Compact Density/Caliper
MPD-D.A 481 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in

Compact Focussed Electric
MFE-A.A 55 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Induction
MAI-A.A 5 LG: 10.81 ft WT: 48.5 lb OD: 2.244 in

Total Length: 51.18 ft Weight: 407.9 lb



COMPANY	McCOY PETROLEUM CORPORATION
WELL	UMCC 'A' #2-17
FIELD	WILDCAT
PROVINCE/COUNTY	MEADE
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2830.00	feet	First Reading	5667.00	feet
Elevation Drill Floor	2828.00	feet	Depth Driller	5700.00	feet
Elevation Ground Level	2819.00	feet	Depth Logger	5700.00	feet

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