



Weatherford[®]

MICRORESISTIVITY LOG

COMPANY	CMX, INC.		
WELL	CLAF LIN 1-35		
FIELD	KRAFT - PRUSA		
PROVINCE/COUNTY	BARTON		
COUNTRY/STATE	U.S.A. / KANSAS		
LOCATION	2480' FNL & 1180' FWL		
SEC 35	TWP 16S	RGE 11W	Other Services
Latitude	MAI/MFE		
Longitude	MSS		
API Number	15-009-26069		
Permanent Datum GL, Elevation	1931 feet		
Log Measured From	KB		
Drilling Measured From	KB @ 8 FEET		
Date	15-DEC-2014	Elevations: feet	
Run Number	ONE	KB	1939.00
Service Order	7606-105777345	DF	1937.00
Depth Driller	3383.00	GL	1931.00
Depth Logger	3382.00		
First Reading	3367.70		
Last Reading	2900.00		
Casing Driller	475.00		
Casing Logger	472.00		
Bit Size	7.875		
Hole Fluid Type	WBM		
Density / Viscosity	9.10 lb/USg	48.00 CP	
PH / Fluid Loss	10.00	7.50 ml/30Min	
Sample Source	MUD PIT		
Rm @ Measured Temp	0.50 @ 75.0	ohm-m	
Rmf @ Measured Temp	0.40 @ 75.0	ohm-m	
Rmc @ Measured Temp	0.60 @ 75.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	0.37 @104.0	ohm-m	
Time Since Circulation	6 HOURS		
Max Recorded Temp	104.00	deg F	
Equipment / Base	13057	LIB	
Recorded By	BEN WELDIN		
Witnessed By	KEN LEBLANC		
JOB #	LB14-380		

BOREHOLE RECORD

Last Edited: 15-DEC-2014 04:35

Bit Size inches	Depth From feet	Depth To feet
7.875	472.00	3382.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	472.00	24.00

REMARKS

- SOFTWARE ISSUE: WLS 14.05.5331
- 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: MCG, MML, MDN, MPD RUN IN COMBINATION.
 - HARDWARE: DUAL BOWSPRING USED ON MDN.
- RUN THREE: MCG
- 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

ALL INTERWELLS LOGGED AND CALLED FOR CUSTOMER REQUEST.

- TOTAL HOLE VOLUME FROM TD TO SURFACE CASING: 1190 CU.FT

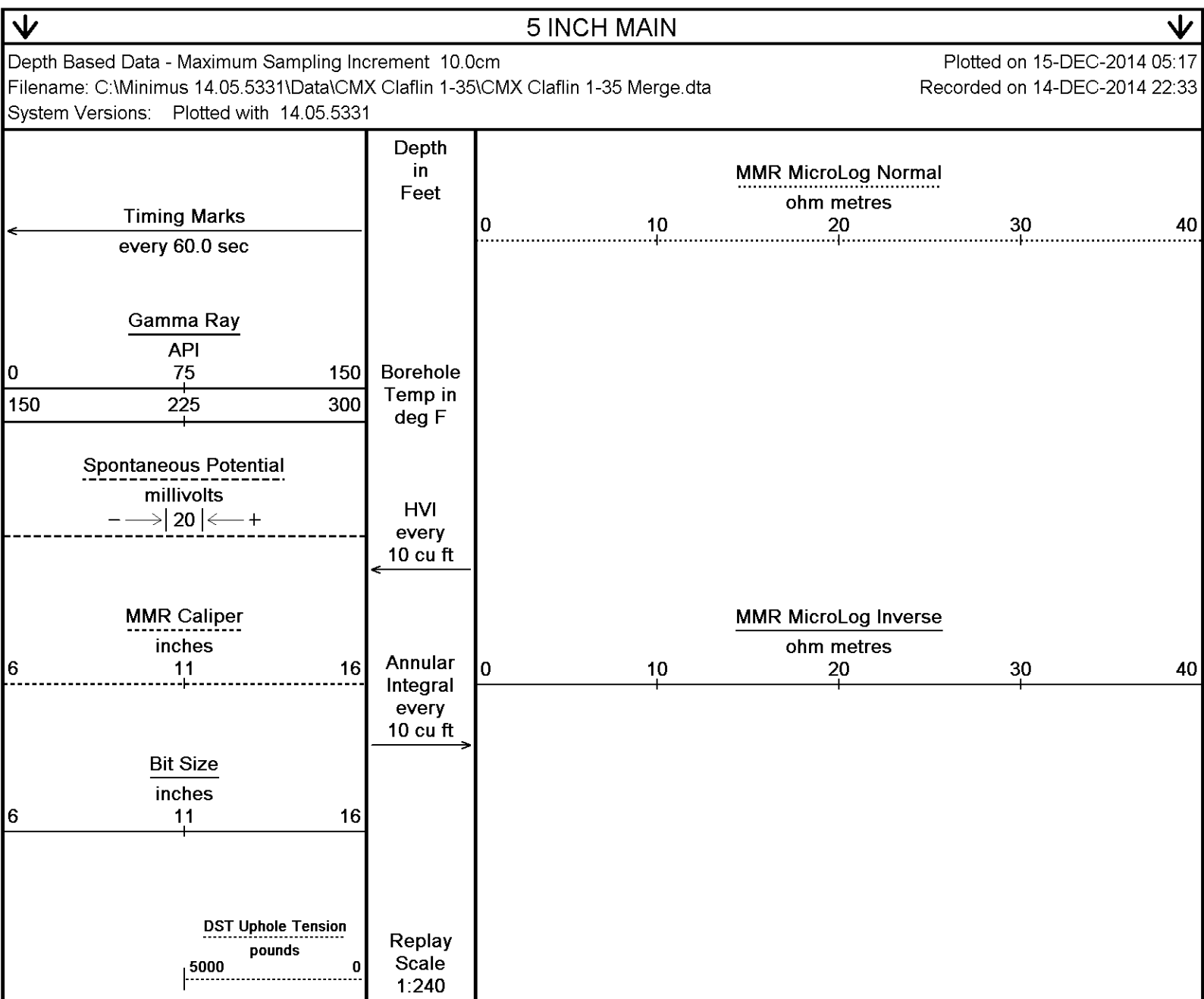
- ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO SURFACE CASE: 710 CU.FT.

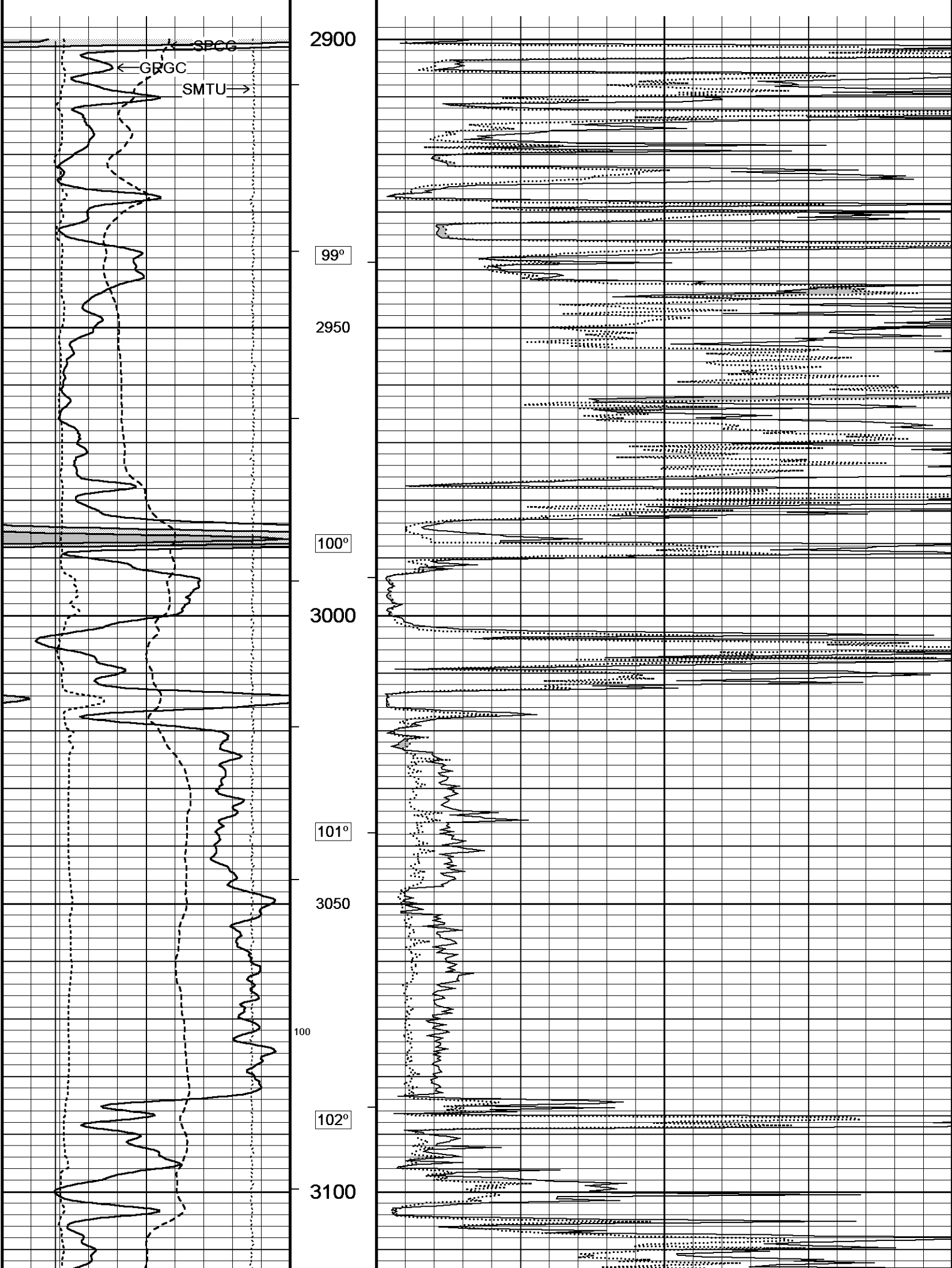
- RIG: DUKE DRILLING RIG #2

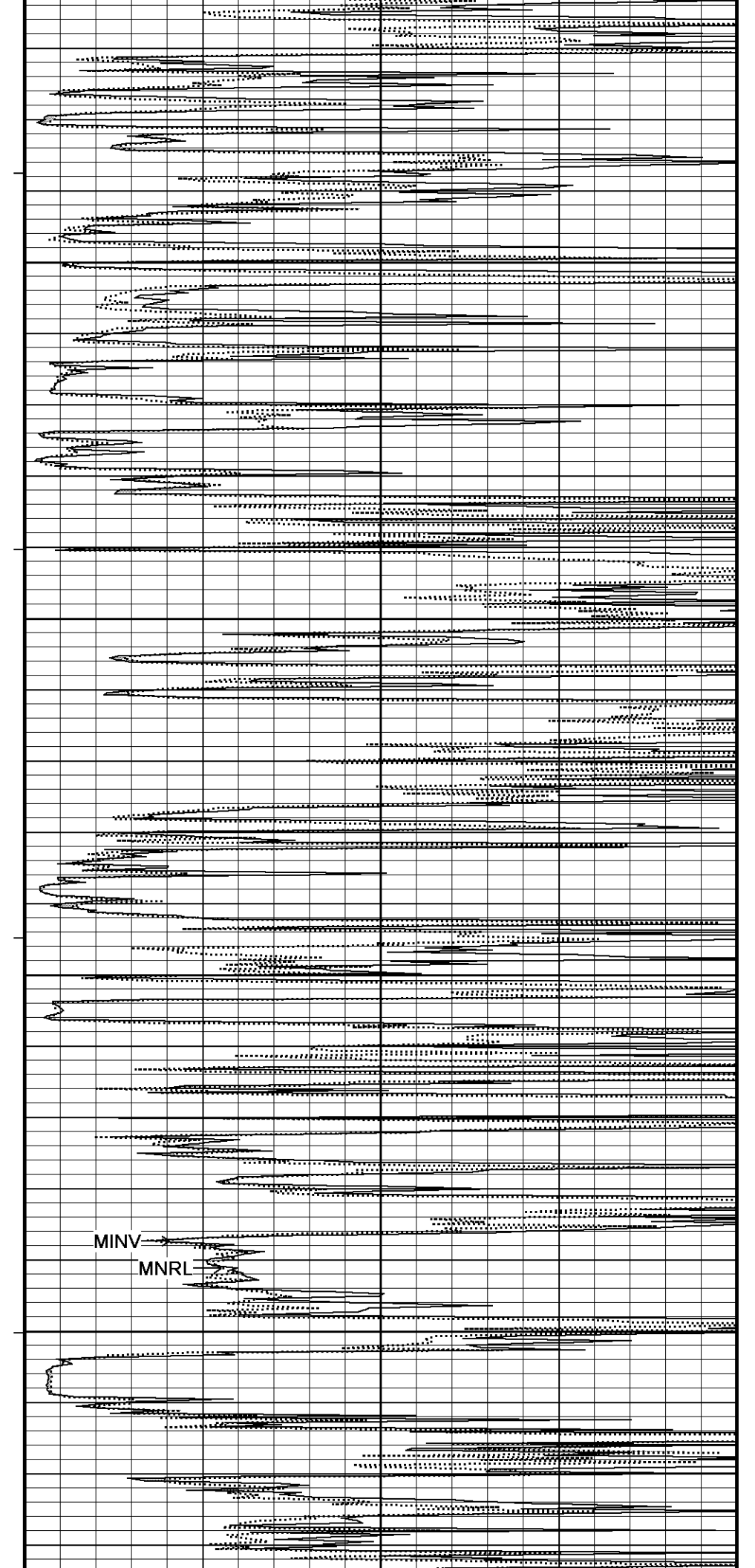
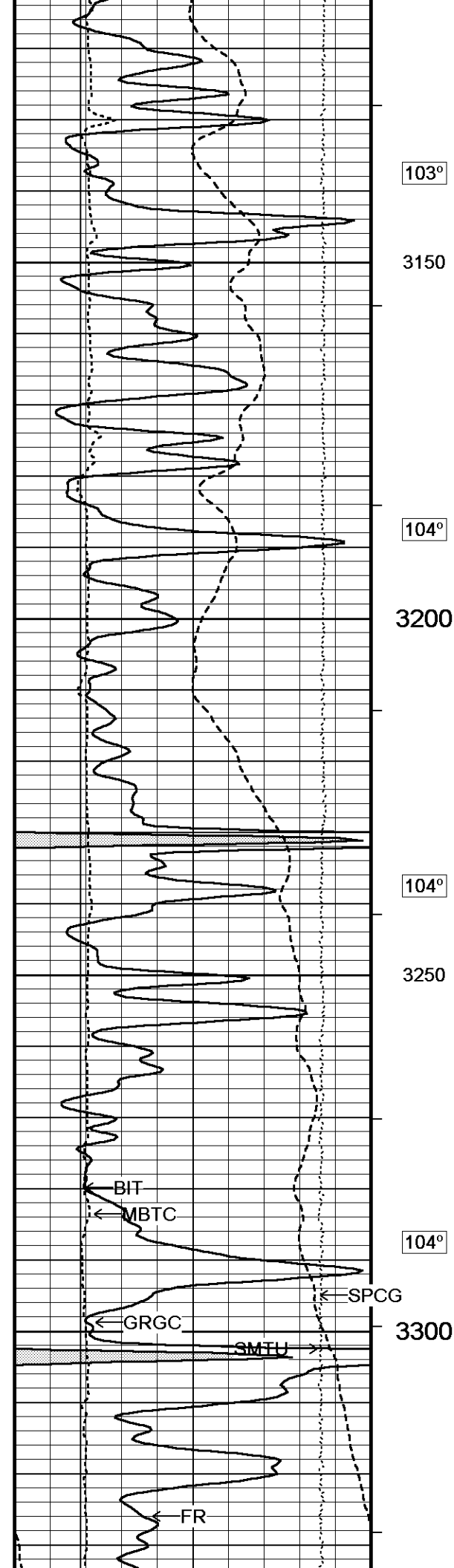
- ENGINEER: BEN WELDIN

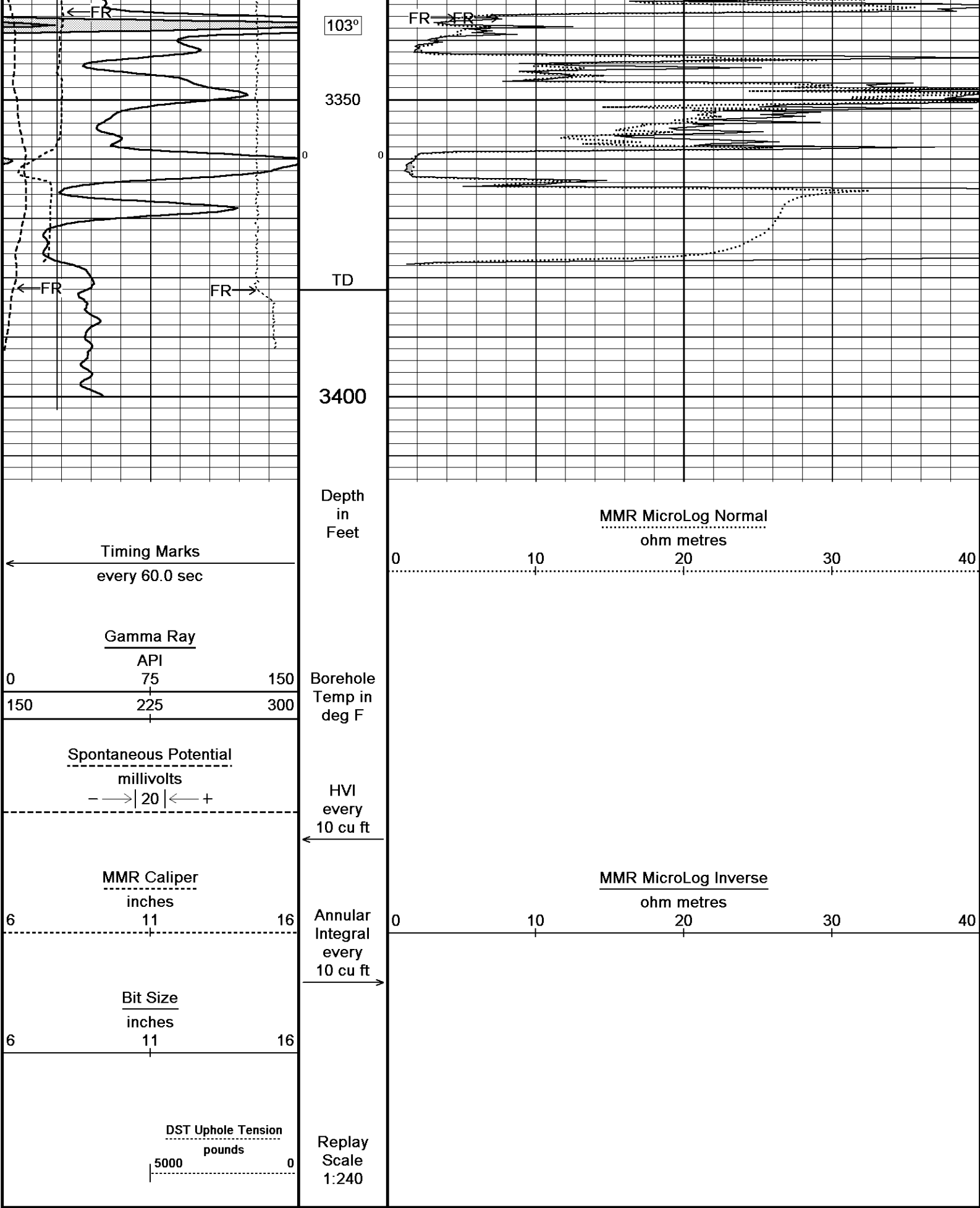
- OPERATOR: NICK ADAME

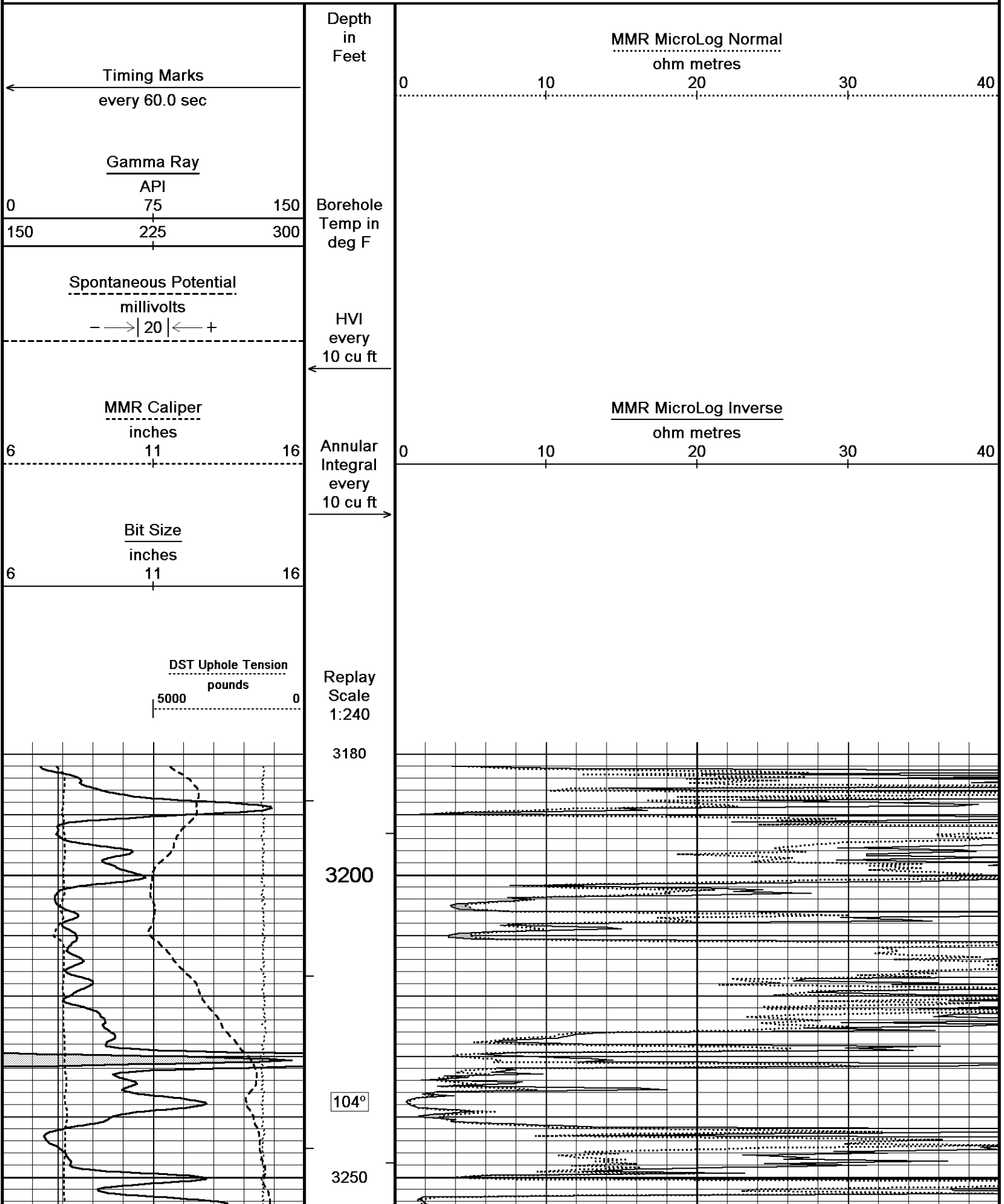
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

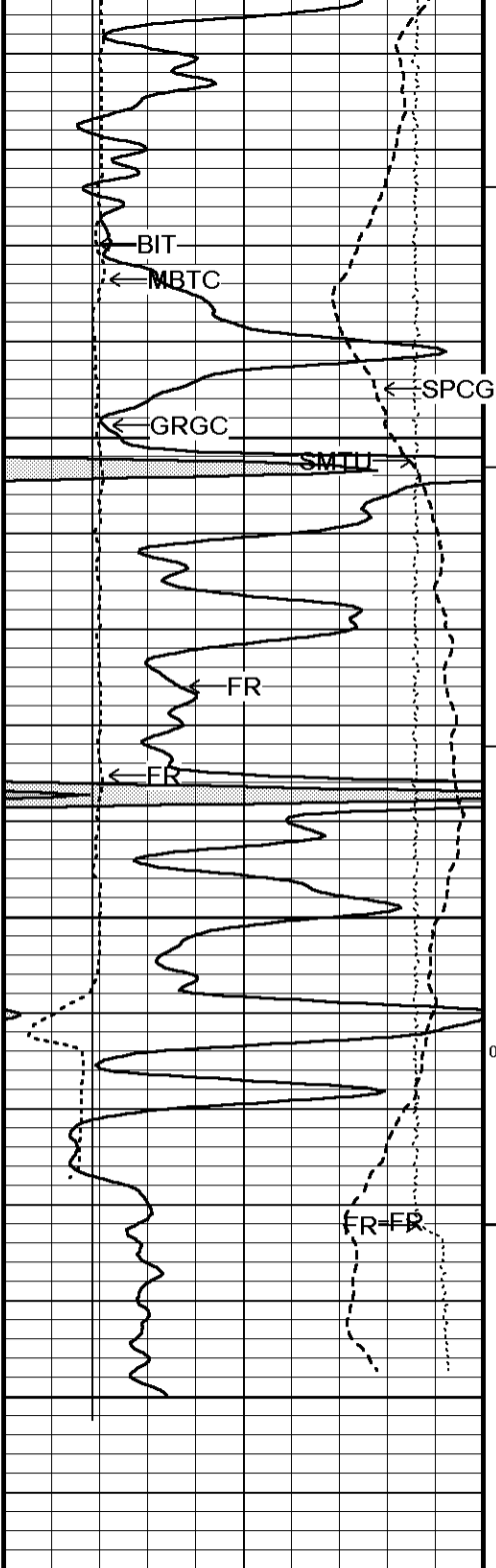












104°

3300

103°

3350

0

TD

3400

Depth
in
Feet

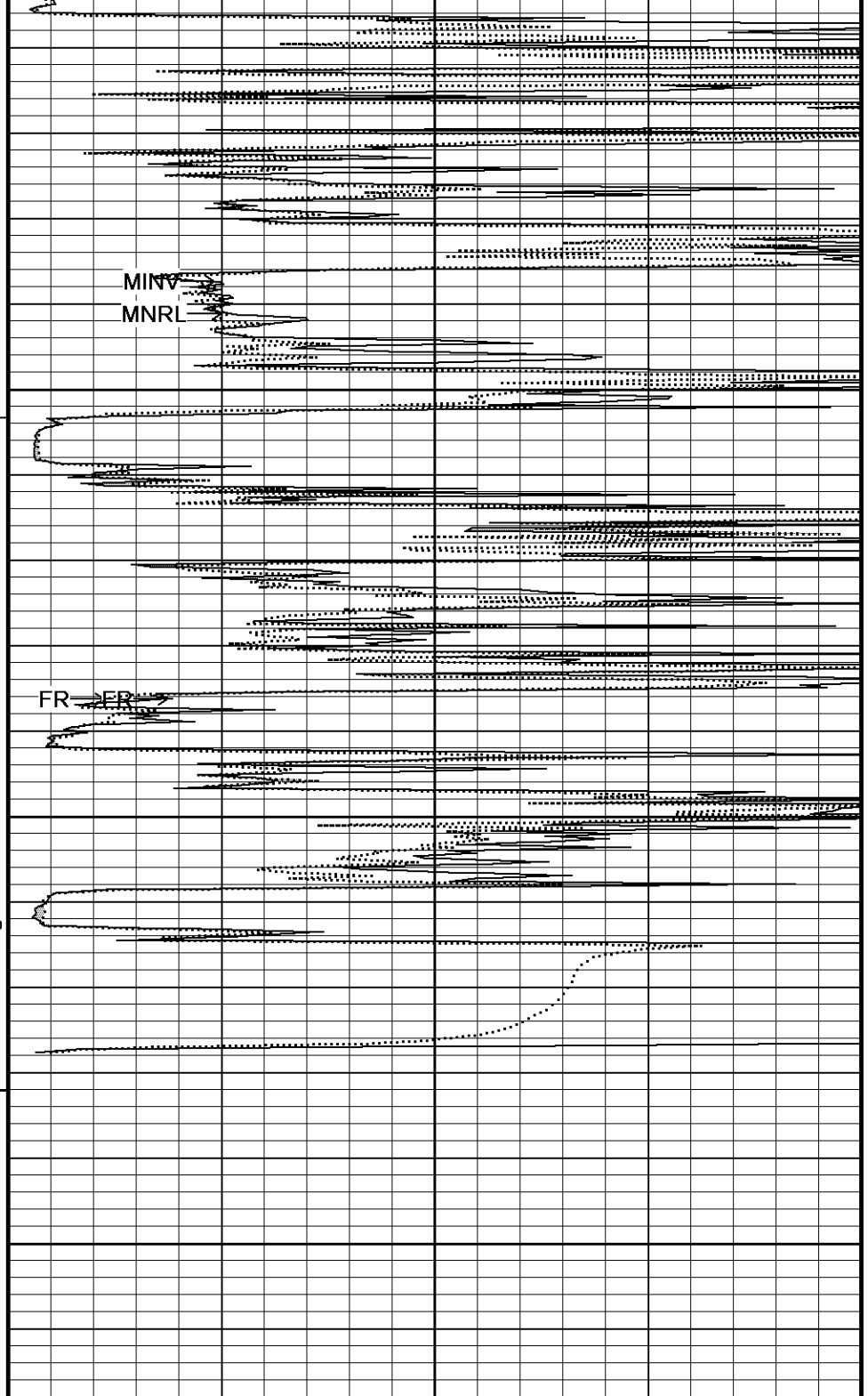
← Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150
150 225 300

Spontaneous Potential
millivolts
- - - - - 20 - - - - - +

Borehole
Temp in
deg F

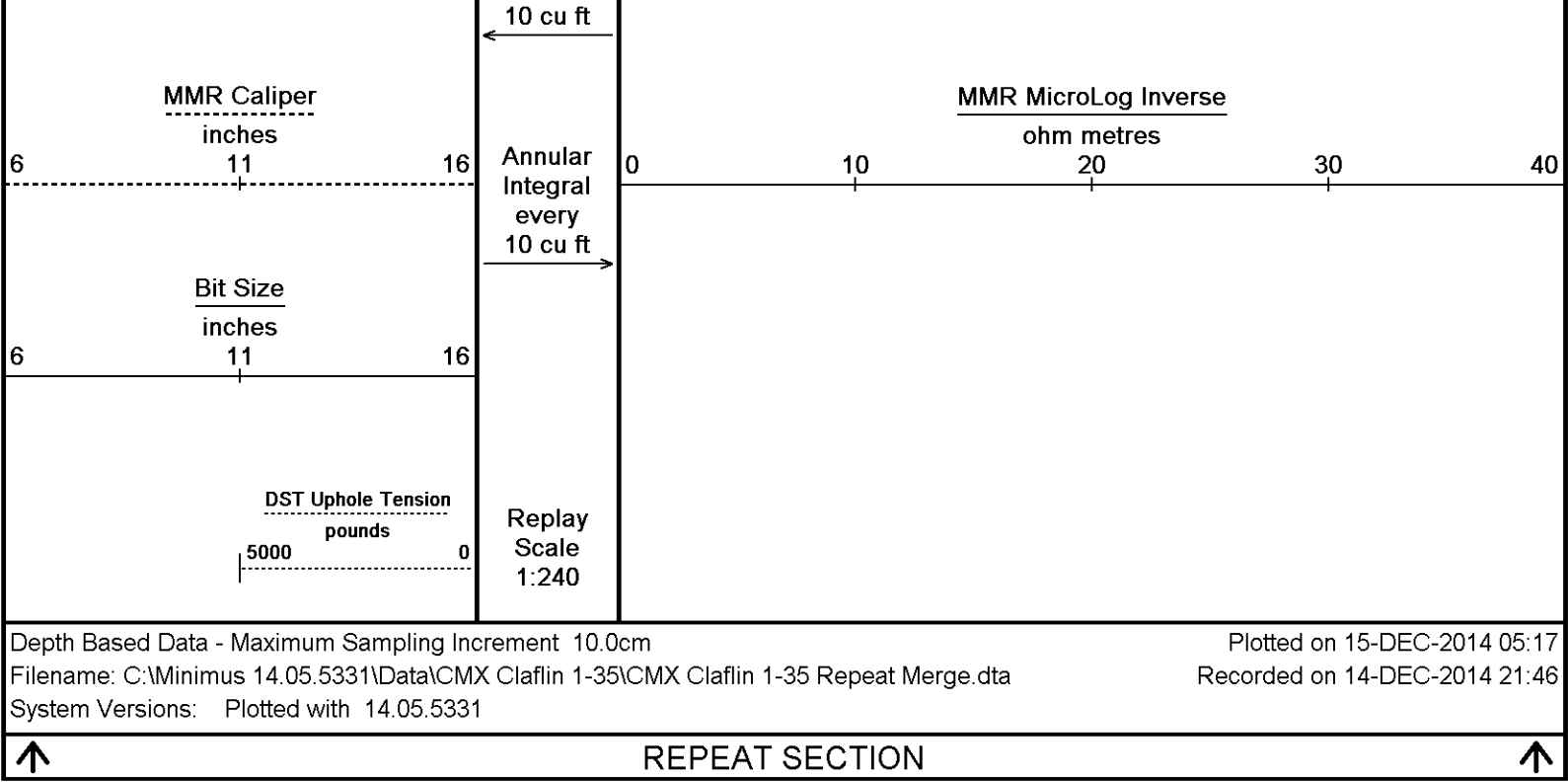
HVI
every



MINV
MNRL

FR → FR

MMR MicroLog Normal
ohm metres
0 10 20 30 40



DOWNHOLE EQUIPMENT

C:\Minimus 14.05.5331\Data\CMX Claflin 1-35\CMX Claflin 1-35 Merge.dta

COMPANY	CMX, INC.
WELL	CLAFLIN 1-35
FIELD	KRAFT - PRUSA
PROVINCE/COUNTY	BARTON
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	1939.00	feet	First Reading	3367.70	feet
Elevation Drill Floor	1937.00	feet	Depth Driller	3383.00	feet
Elevation Ground Level	1931.00	feet	Depth Logger	3382.00	feet


Weatherford[®]

MICRORESISTIVITY LOG