



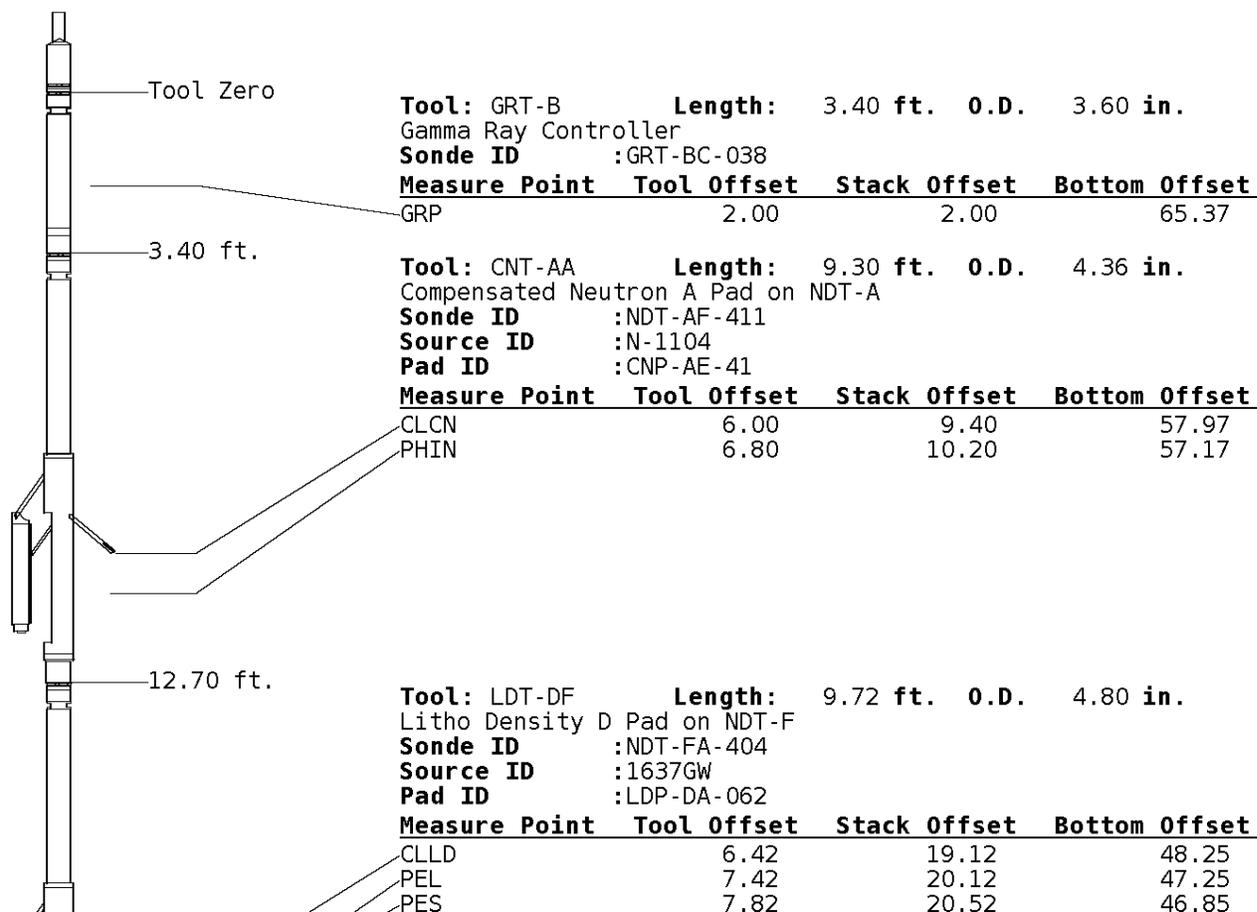
ALL PRESENTATIONS AS PER CUSTOMER REQUEST  
 GRT, CNT, LDT, CST, MLT AND PIT RUN IN COMBINATION  
 CALIPERS ORIENTED ON X-Y AXIS  
 2.71 G/CC USED TO CALCULATE POROSITY  
 ANNULAR HOLE VOLUME CALCULATED USING 5.5" PRODUCTION CASING  
 PHIN IS CALIPER CORRECTED

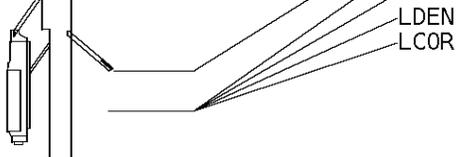
GRT: GRP  
 CNT: PHIN, CLCNIN,  
 LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN  
 CST: PORS, CDTF, TTIPF, TT2PF, TT3PF, TT4PF, ITT  
 MLT: NOR\_RF, INV\_RF, MSCLPIN  
 PIT: ILD, ILM, SPU, SFLAEC, CIRD

OPERATORS:  
 D. RAGSDALE  
 J. VAUGHN  
 D.LEGLEITER  
 Z.AL SUDANI

### Tool String Schematic

**Total Tool Length** - 67.37 ft.  
**Maximum Outside diameter** - 6.00 in.  
**Net Weight in Air** - 1171.00 lbs.



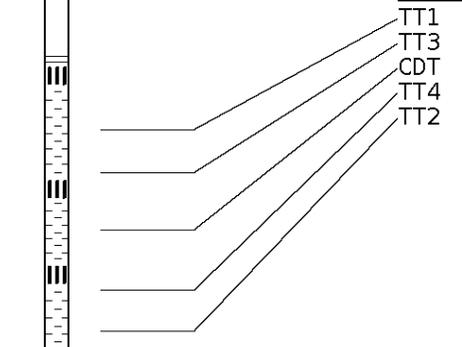


7.62 20.32 47.05  
 7.62 20.32 47.05

22.42 ft.

**Tool:** CST-AD      **Length:** 13.80 ft.   **O.D.** 3.60 in.  
 Open Hole Sonic  
**Sonde ID** :CST-AB-21

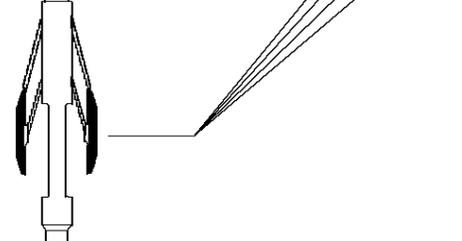
| Measure Point | Tool Offset | Stack Offset | Bottom Offset |
|---------------|-------------|--------------|---------------|
| TT1           | 4.80        | 27.22        | 40.15         |
| TT3           | 5.80        | 28.22        | 39.15         |
| CDT           | 7.30        | 29.72        | 37.65         |
| TT4           | 8.80        | 31.22        | 36.15         |
| TT2           | 9.80        | 32.22        | 35.15         |



36.22 ft.

**Tool:** MST-DA      **Length:** 9.66 ft.   **O.D.** 6.00 in.  
 Micro Spherically Focused (IC,D)  
**Sonde ID** :MST-DA-36

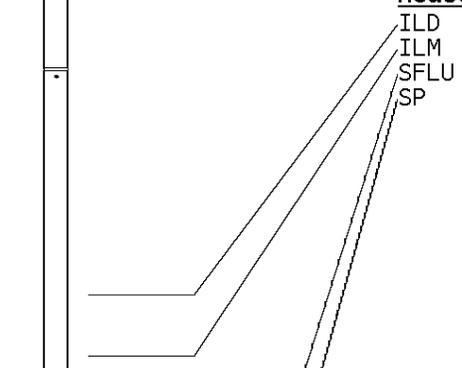
| Measure Point | Tool Offset | Stack Offset | Bottom Offset |
|---------------|-------------|--------------|---------------|
| MSFL          | 7.60        | 43.82        | 23.55         |
| MSCLP         | 7.60        | 43.82        | 23.55         |
| INV           | 7.60        | 43.82        | 23.55         |
| NOR           | 7.60        | 43.82        | 23.55         |



45.88 ft.

**Tool:** PIT-CA      **Length:** 21.49 ft.   **O.D.** 3.62 in.  
 Phased Dual Induction w/ RM & D  
**Sonde ID** :PIT-AC-043

| Measure Point | Tool Offset | Stack Offset | Bottom Offset |
|---------------|-------------|--------------|---------------|
| ILD           | 8.92        | 54.80        | 12.56         |
| ILM           | 10.10       | 55.98        | 11.39         |
| SFLU          | 17.49       | 63.37        | 4.00          |
| SP            | 20.60       | 66.48        | 0.88          |



LWT 67.37 ft.

Well File: MERIT CORA 1-16 FEB-28\_QST

Segment: V1.D1.S5 Reprocess MAIN

Reference: 0

Scale: 1:240

Format: MST-240

Acquired: 2020-02/29 00:34 3.4.1-13972

Processed: 2020-02/29 02:11 3.4.1-13972

BIT SIZE  
INCHES (IN)

6 16

CALIPER MICRO  
INCHES (IN)

16 26  
6 16

TENSION  
LBS

10000 0

GAMMA RAY  
API UNITS

150 300  
0 150

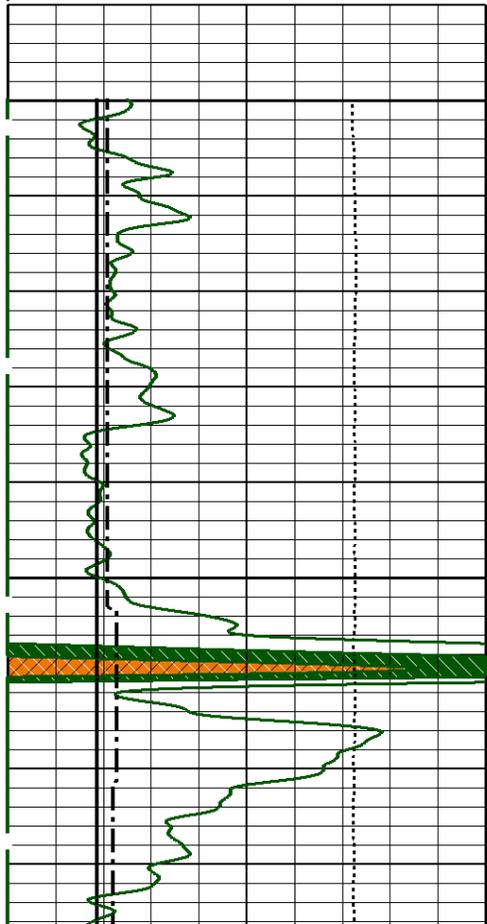
INVERSE  
OHMM

0 40

NORMAL  
OHMM

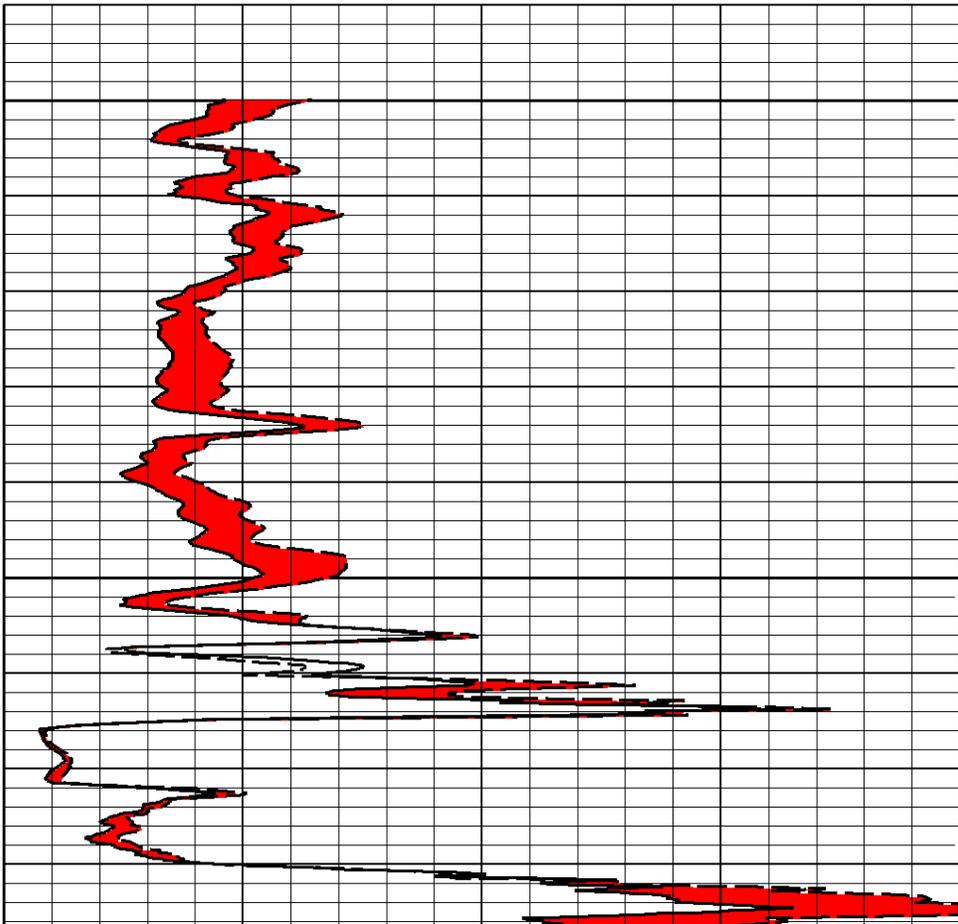
0 40

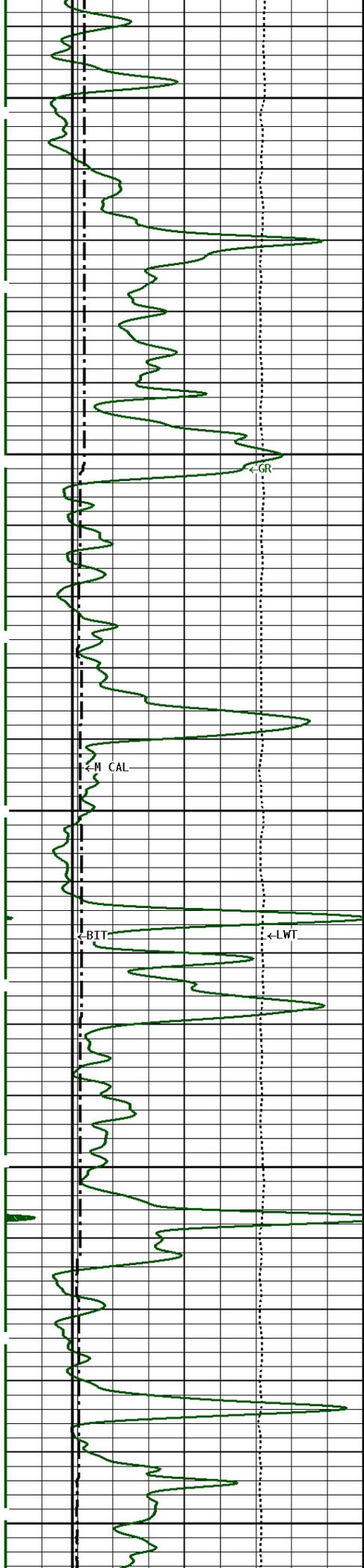
1:240 MAIN SECTION



File #1.1.5

3800

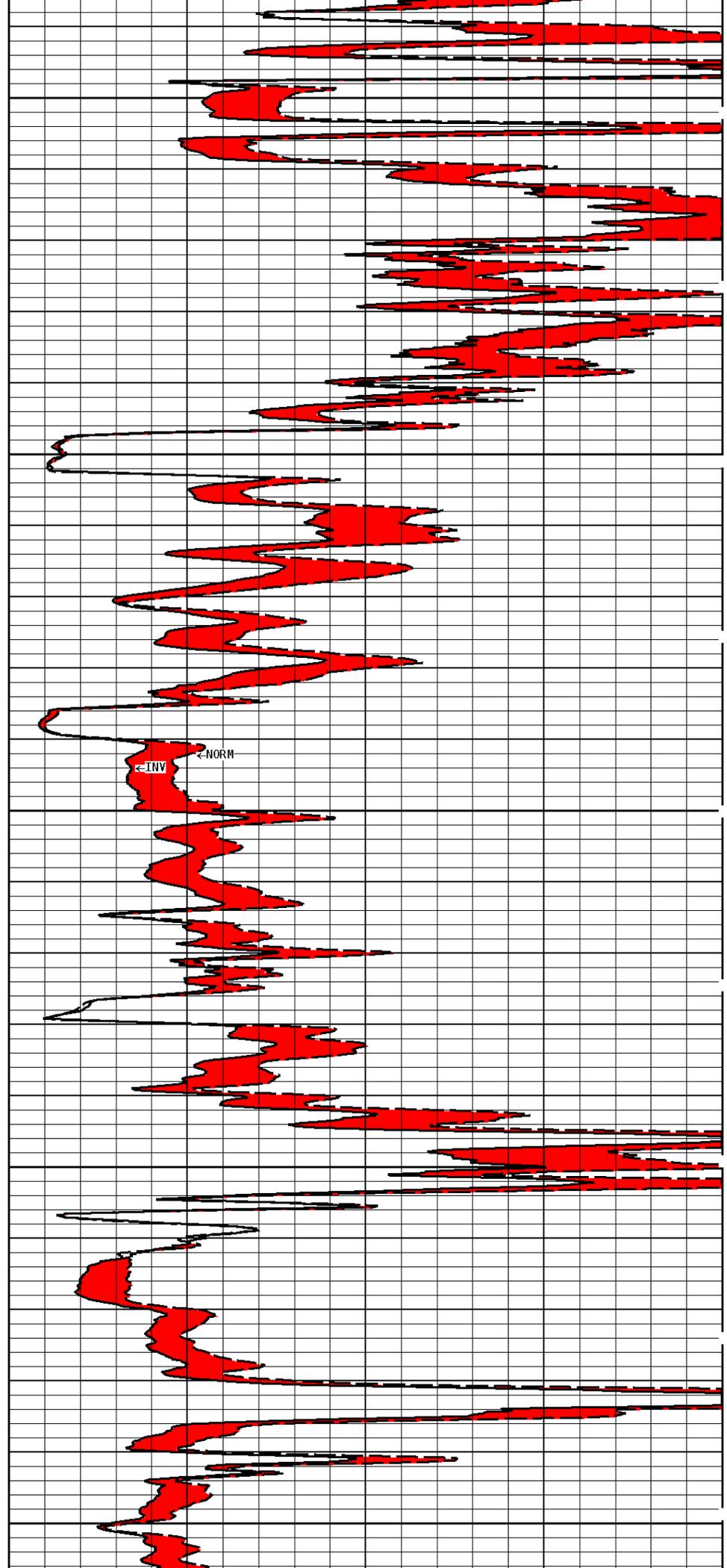


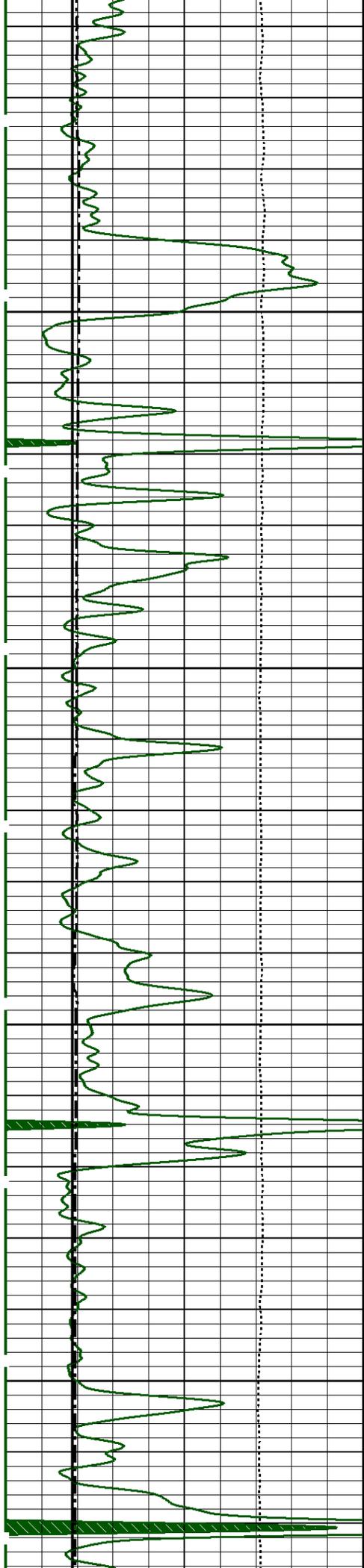


3900

4000

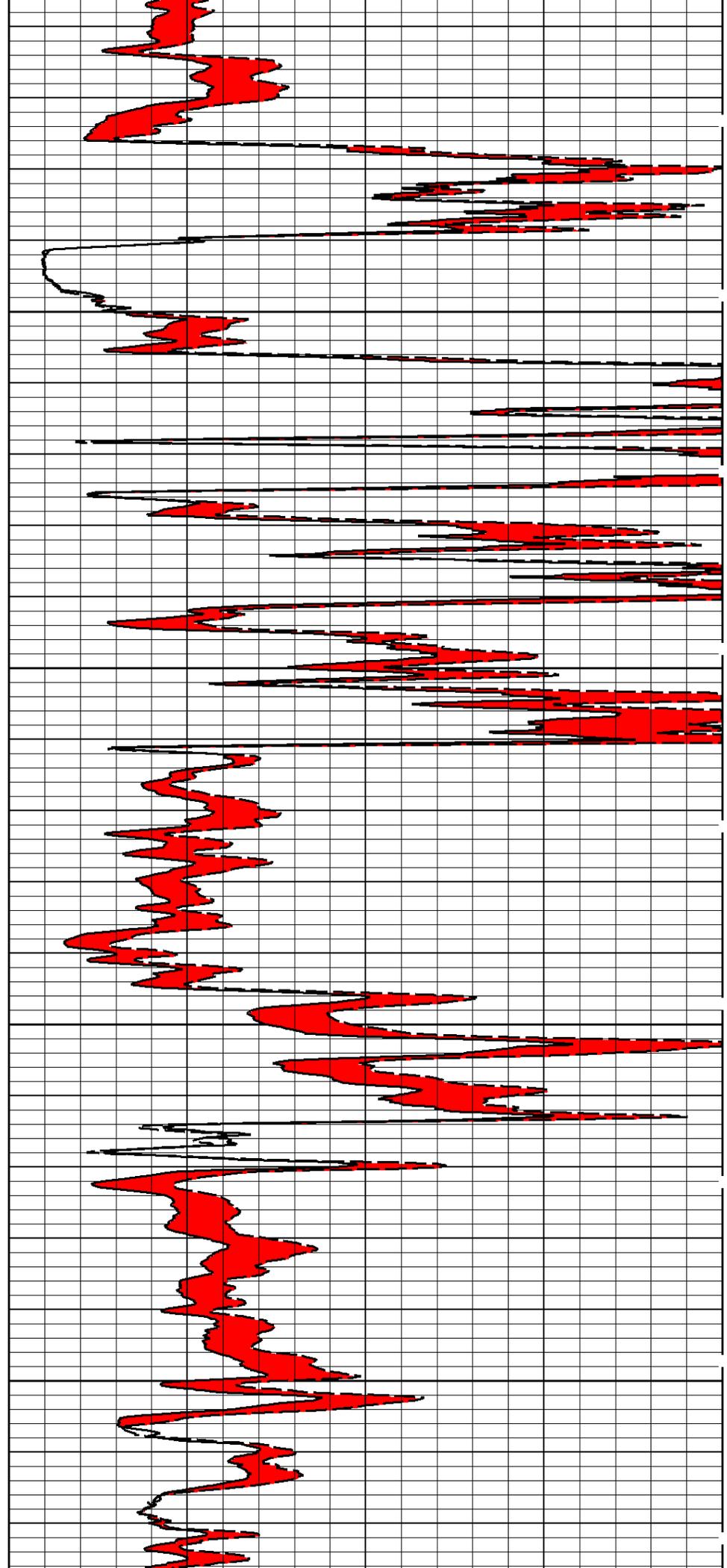
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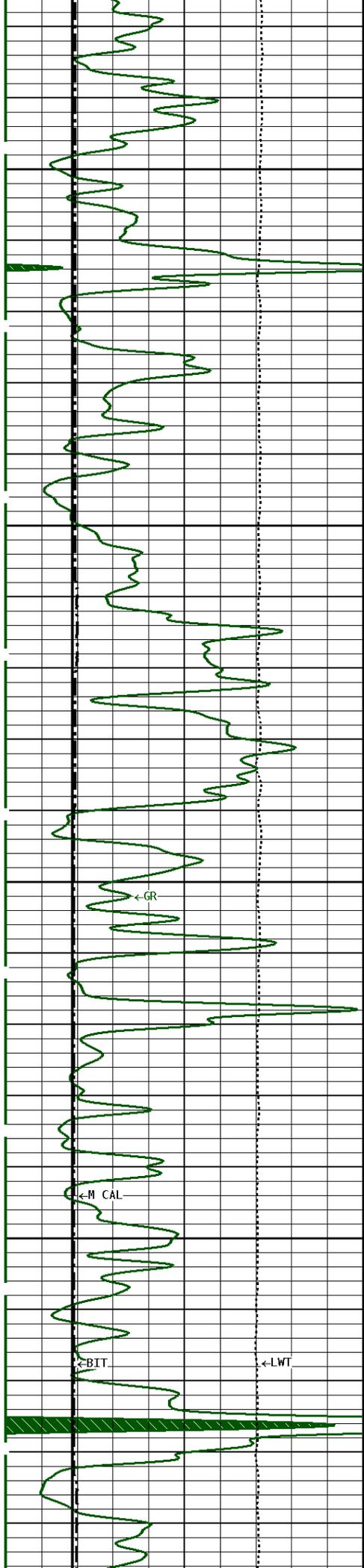




4200

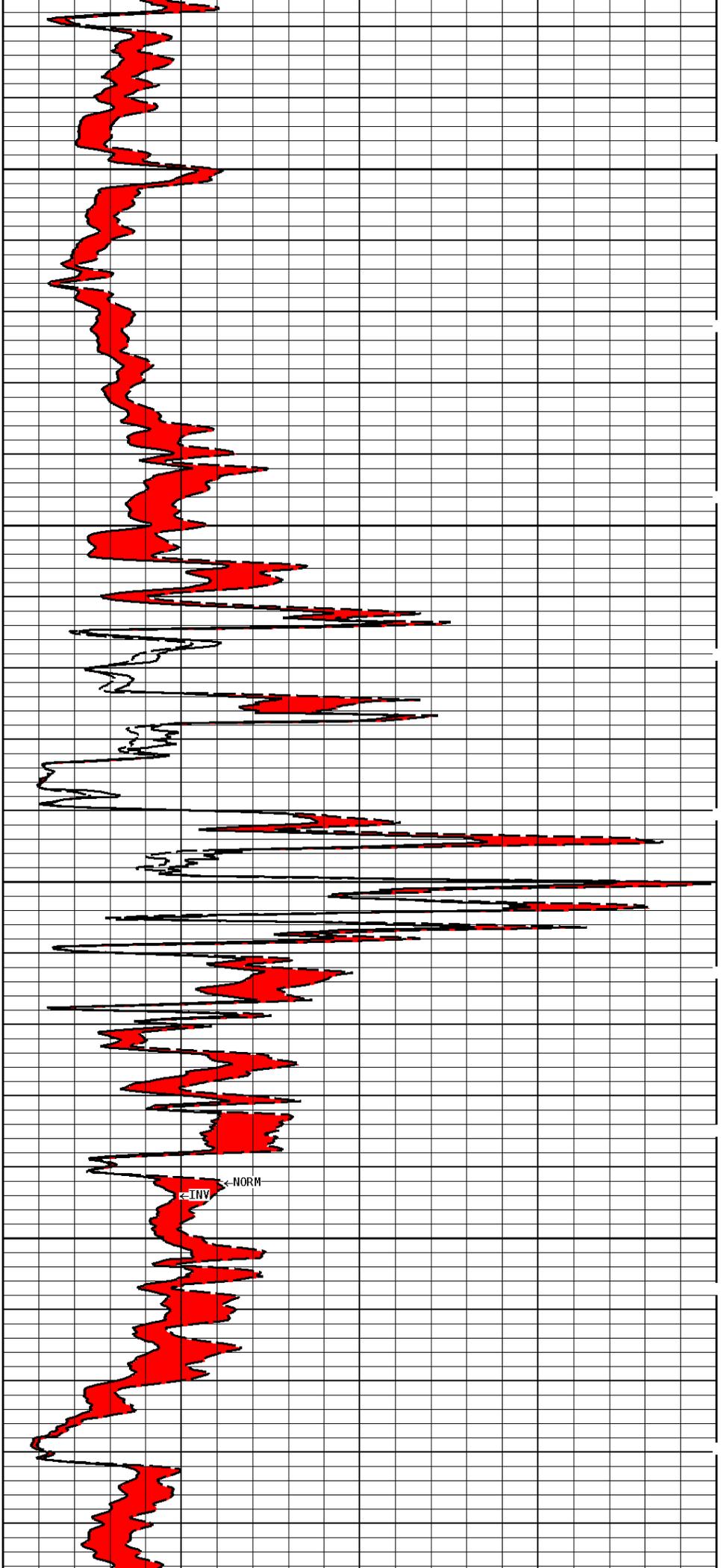
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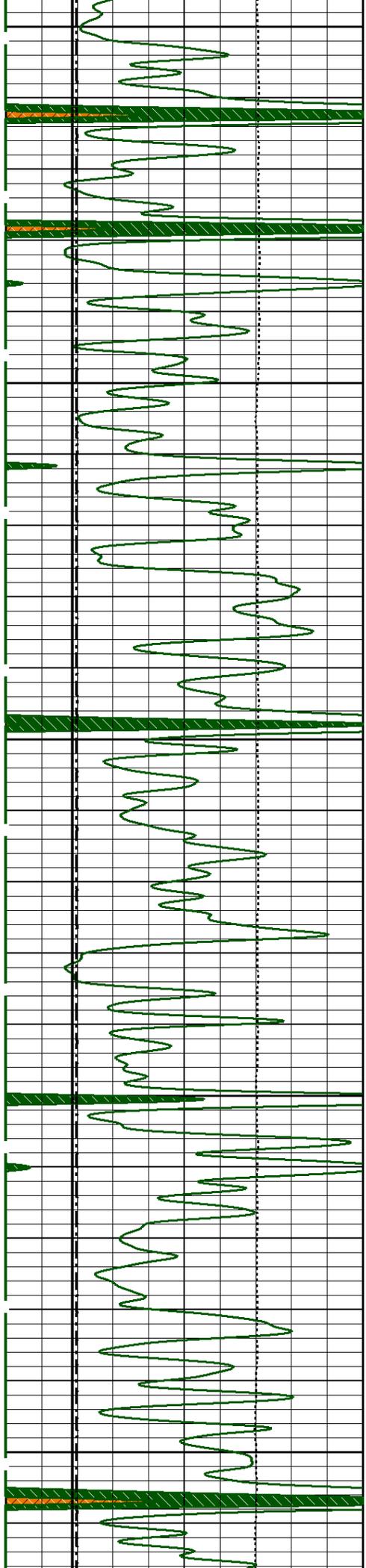




4400

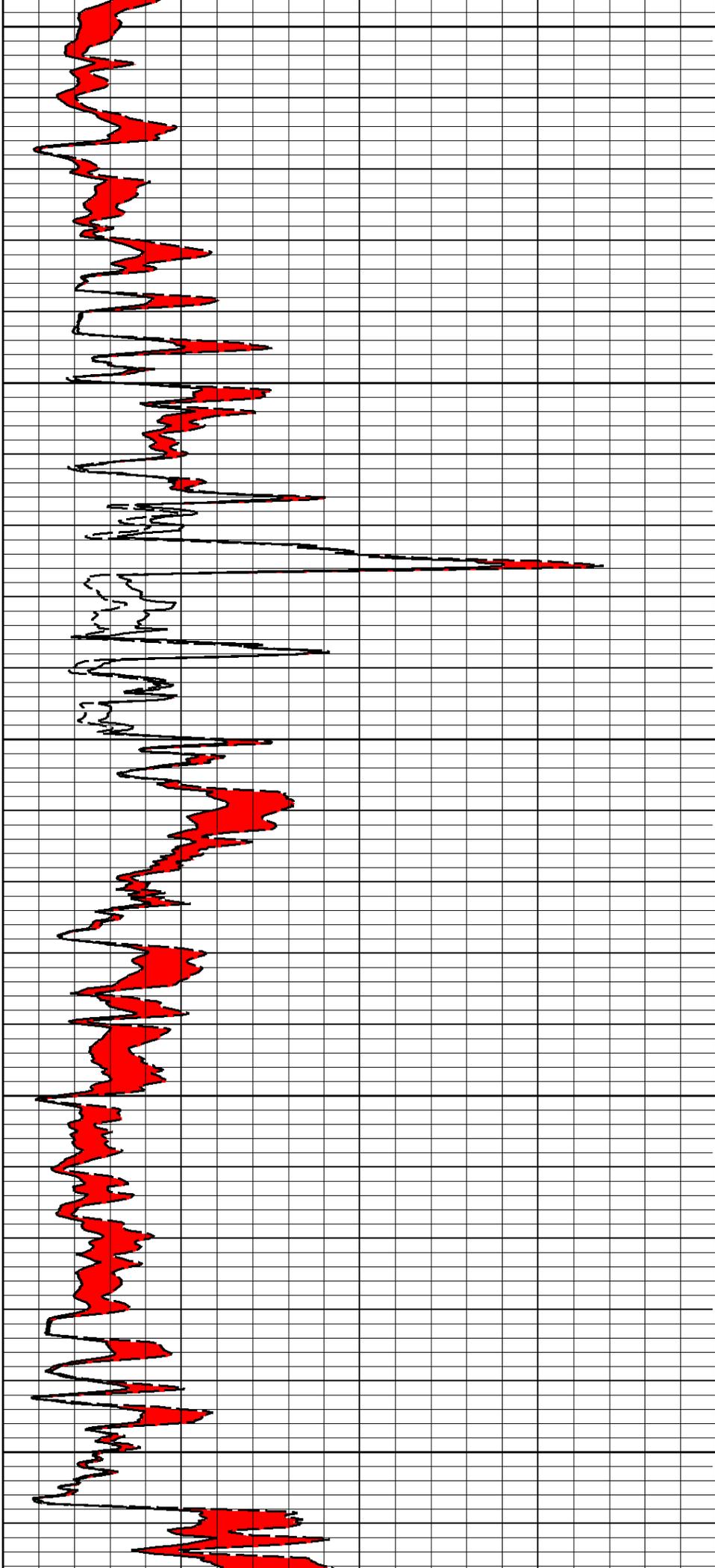
4500

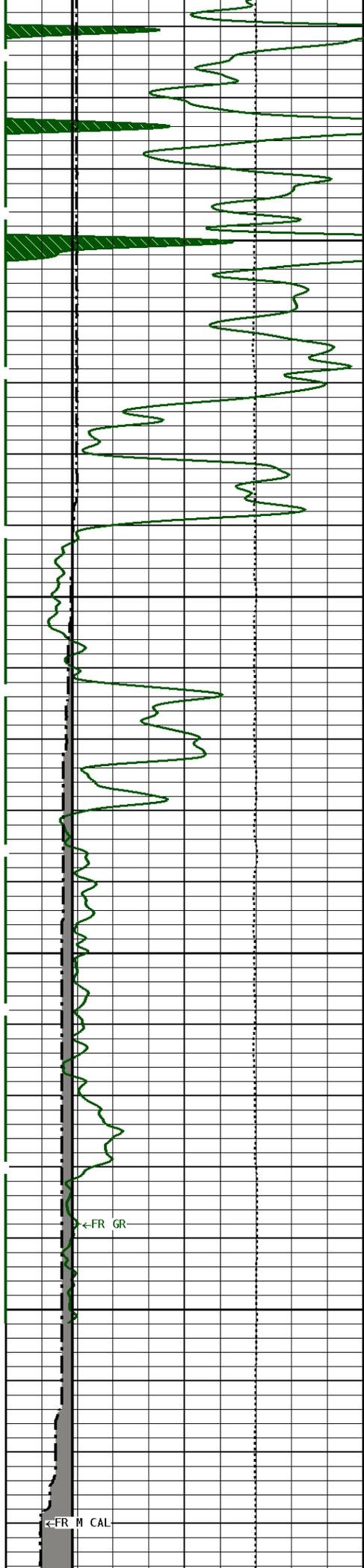




4600

4700



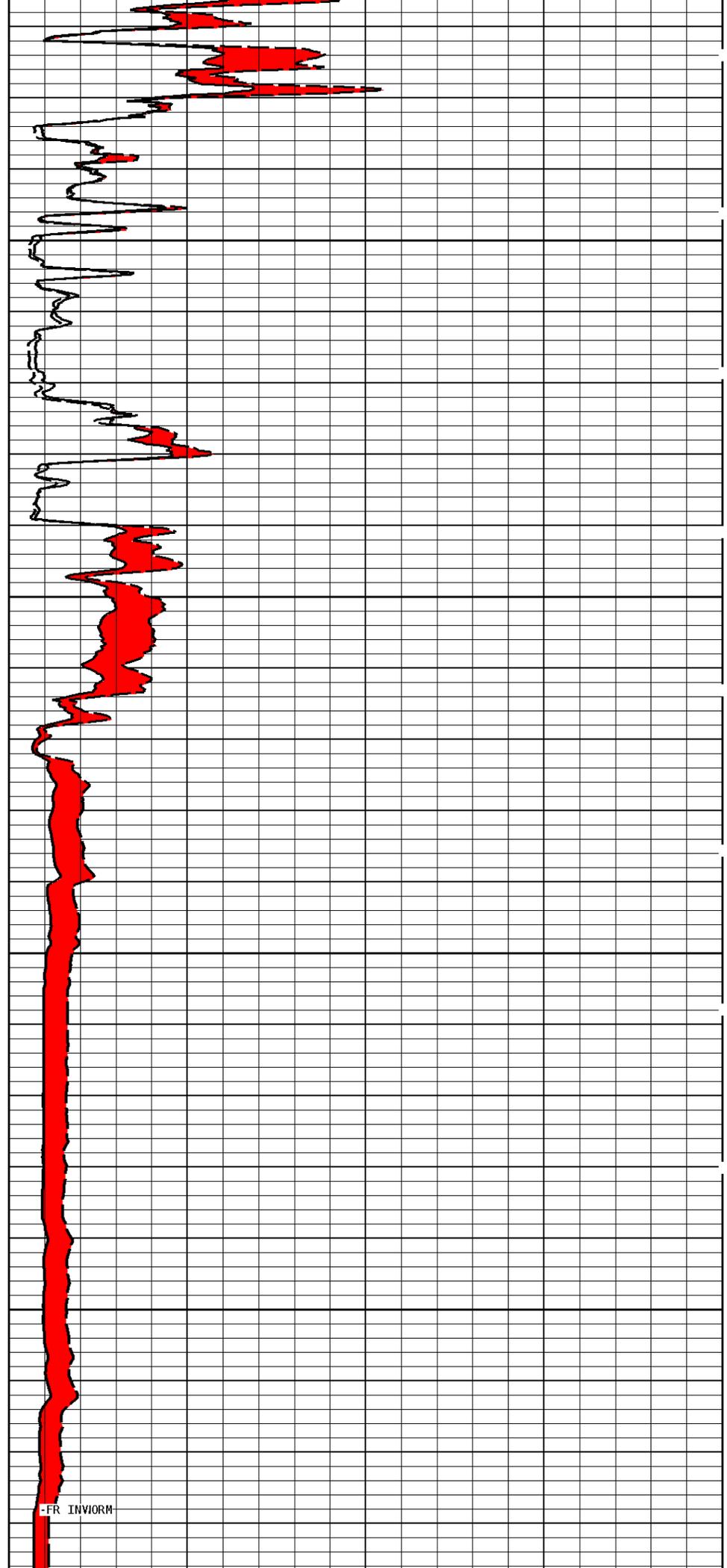


4800

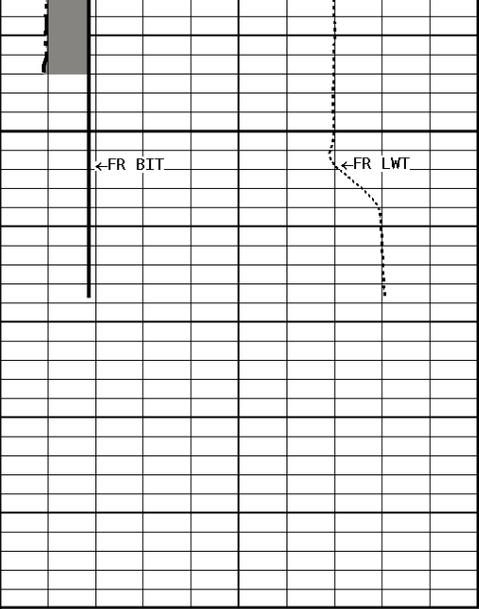
4900

←FR GR

←FR M CAL



←FR INWORM



5000  
5004

File #1.1.5

**1:240 MAIN SECTION**

|                                      |            |
|--------------------------------------|------------|
| <b>GAMMA RAY<br/>API UNITS</b>       |            |
| 150<br>0                             | 300<br>150 |
| <b>TENSION<br/>LBS</b>               |            |
| 10000                                | 0          |
| <b>CALIPER MICRO<br/>INCHES (IN)</b> |            |
| 16<br>6                              | 26<br>16   |
| <b>BIT SIZE<br/>INCHES (IN)</b>      |            |
| 6                                    | 16         |

|                         |    |
|-------------------------|----|
| <b>NORMAL<br/>OHMM</b>  |    |
| 0                       | 40 |
| <b>INVERSE<br/>OHMM</b> |    |
| 0                       | 40 |

**\* Borehole Zone Factors \***

|                                   |       |           |
|-----------------------------------|-------|-----------|
| <b>Zone 1 99999.0 to 0.0 Feet</b> |       |           |
| Drill Bit Size                    | _____ | 7.875 in  |
| MSTNG Normal Correction           | _____ | 0.00 ohmm |
| MSTNG Inverse Correction          | _____ | 0.00 ohmm |

|  |  |                        |
|--|--|------------------------|
| <b>Well File:</b> MERIT CORA 1-16 FEB-28 QST | <b>Scale:</b> 1:240                            | <b>Format:</b> MST-240 |
| <b>Segment:</b> V1.D1.S3 Reprocess REPEAT    | <b>Acquired:</b> 2020-02/29 00:14 3.4.1-13972  |                        |
| <b>Reference:</b> 0                          | <b>Processed:</b> 2020-02/29 00:30 3.4.1-13972 |                        |

|                                      |          |
|--------------------------------------|----------|
| <b>BIT SIZE<br/>INCHES (IN)</b>      |          |
| 6                                    | 16       |
| <b>CALIPER MICRO<br/>INCHES (IN)</b> |          |
| 16<br>6                              | 26<br>16 |
| <b>TENSION<br/>LBS</b>               |          |
| 10000                                | 0        |

|                         |    |
|-------------------------|----|
| <b>INVERSE<br/>OHMM</b> |    |
| 0                       | 40 |

GAMMA RAY  
API UNITS



NORMAL  
OHMM

0

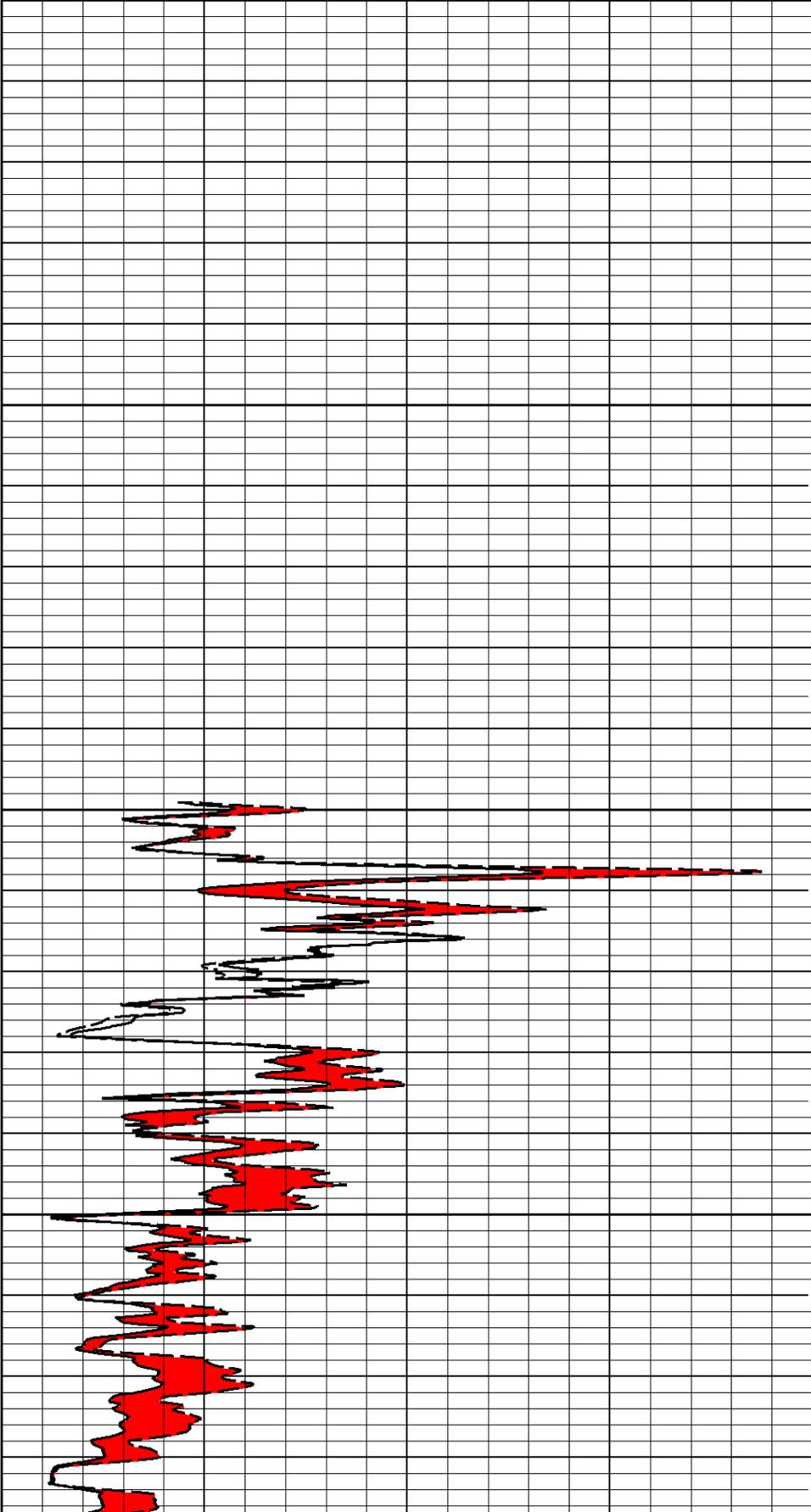
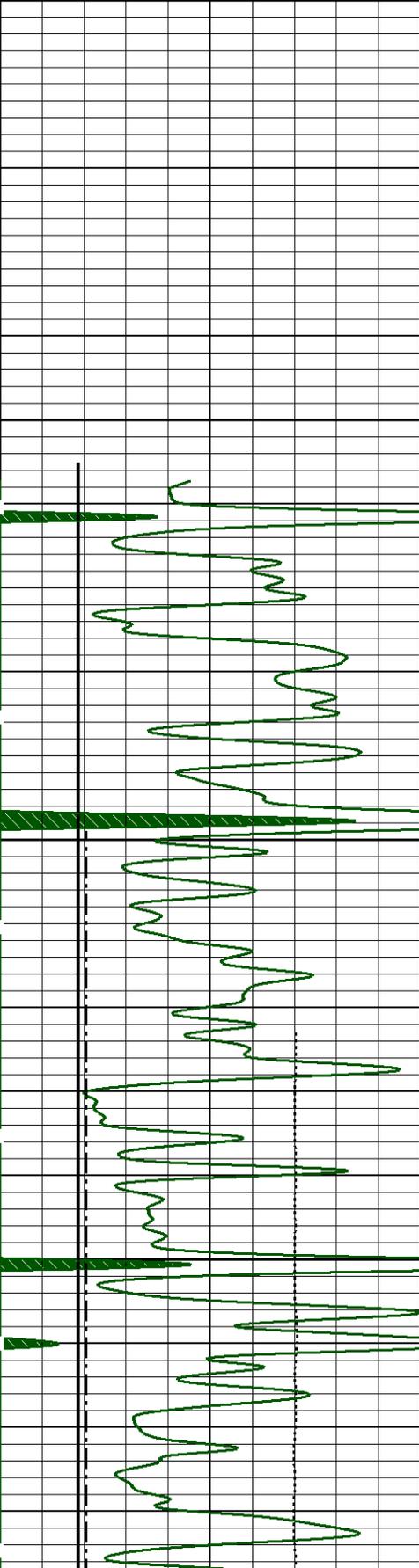
40

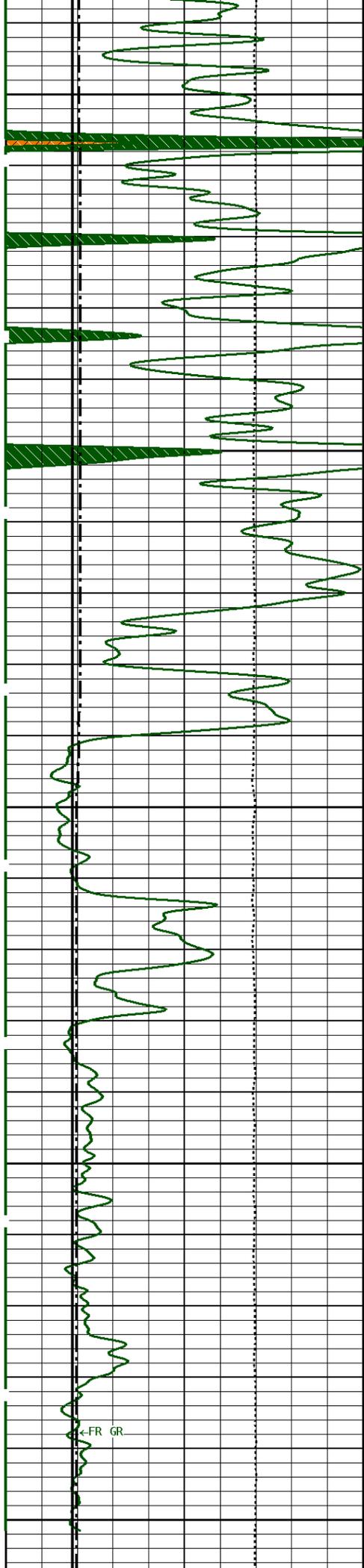
# 1:240 REPEAT SECTION

File #1.1.3

4600

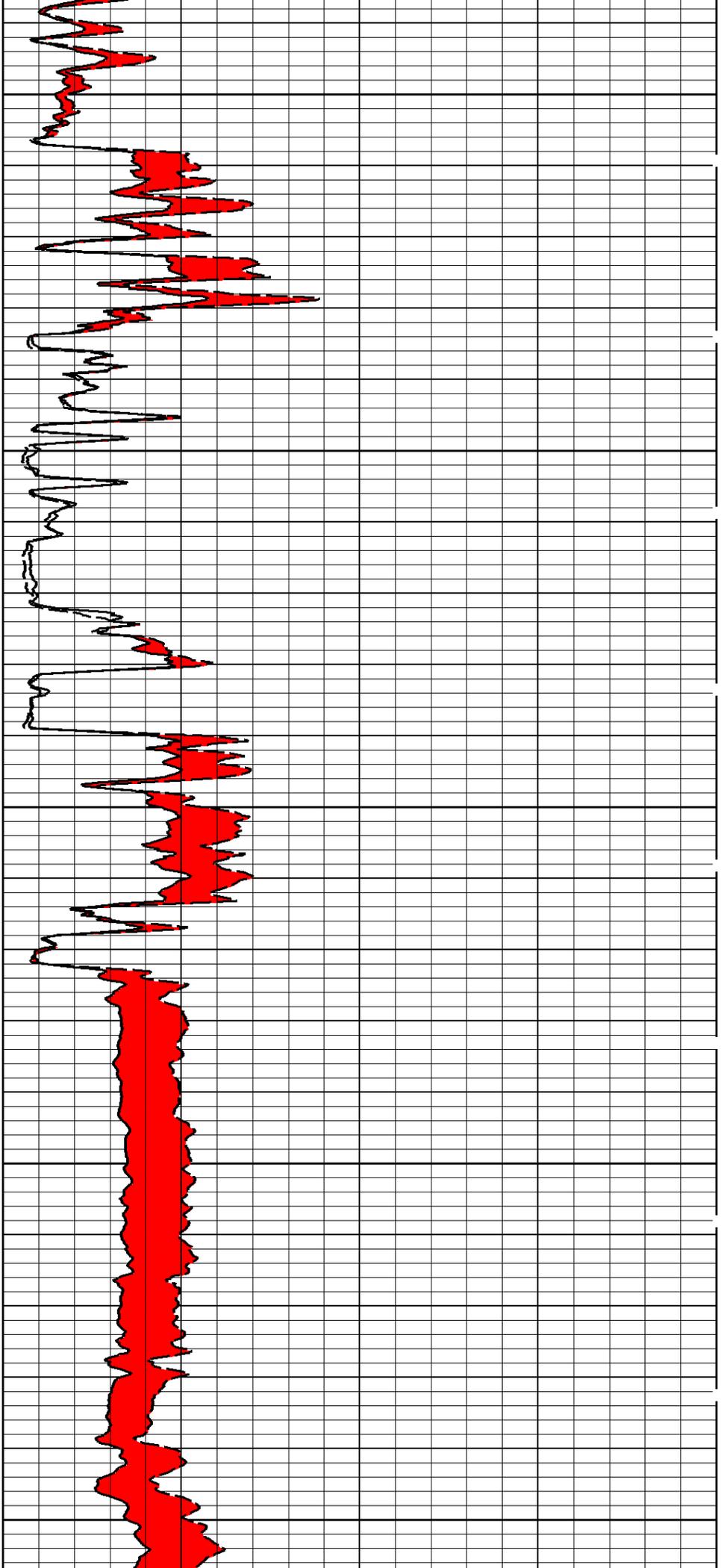
4700



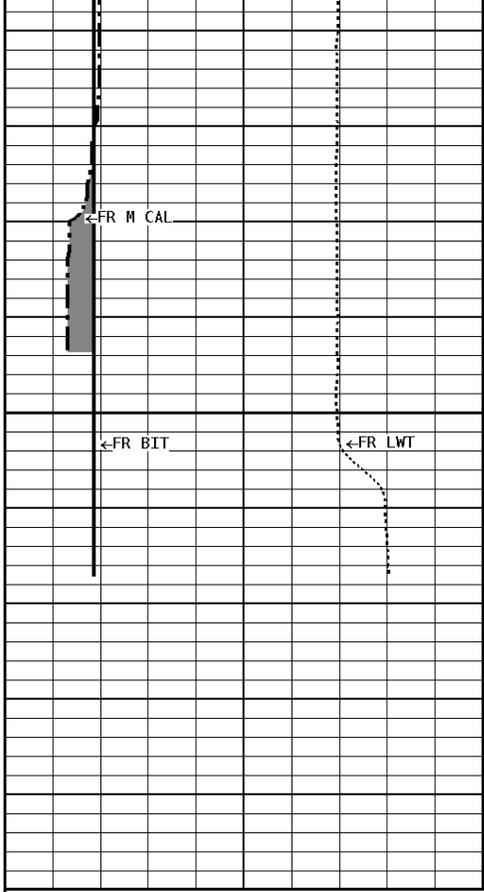


4800

4900

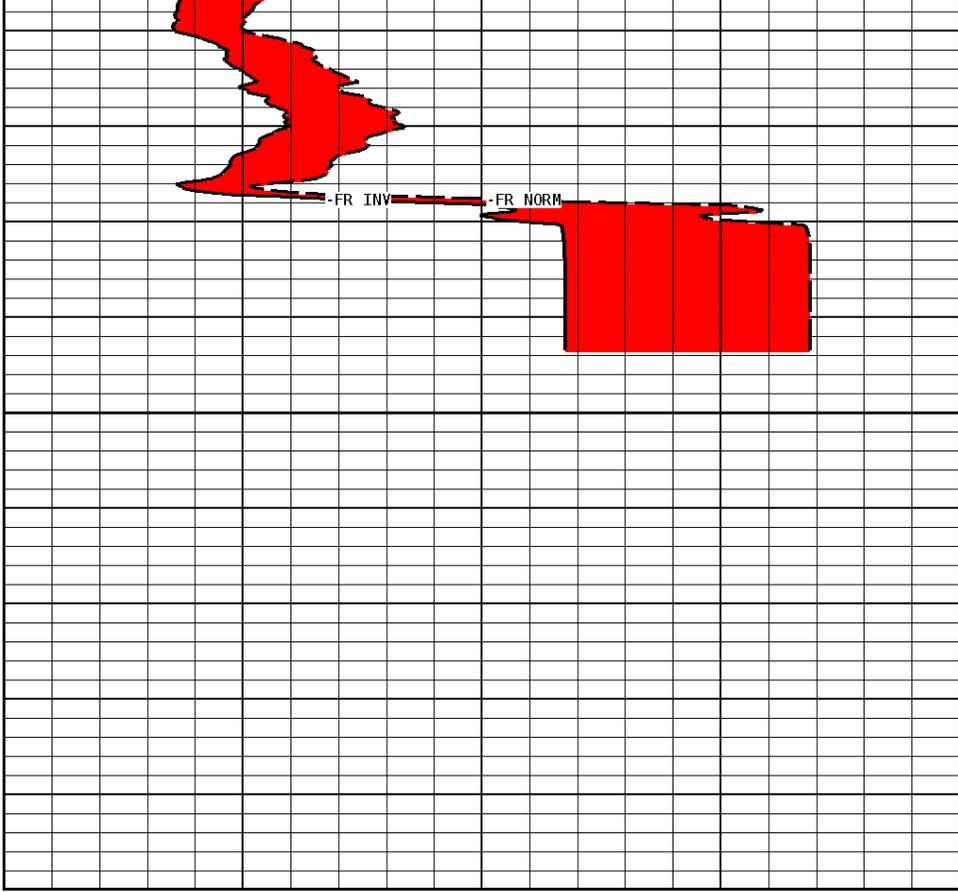


-FR GR



5000  
5003

File #1.1.3



**1:240 REPEAT SECTION**

|                                      |            |
|--------------------------------------|------------|
| <b>GAMMA RAY<br/>API UNITS</b>       |            |
| 150<br>0                             | 300<br>150 |
| <b>TENSION<br/>LBS</b>               |            |
| 10000                                | 0          |
| <b>CALIPER MICRO<br/>INCHES (IN)</b> |            |
| 16<br>6                              | 26<br>16   |
| <b>BIT SIZE<br/>INCHES (IN)</b>      |            |
| 6                                    | 16         |

|                         |    |
|-------------------------|----|
| <b>NORMAL<br/>OHMM</b>  |    |
| 0                       | 40 |
| <b>INVERSE<br/>OHMM</b> |    |
| 0                       | 40 |

**\* Borehole Zone Factors \***

|                                |                            |
|--------------------------------|----------------------------|
| <b>Zone 1</b>                  | <b>99999.0 to 0.0 Feet</b> |
| Drill Bit Size _____           | 7.875 in                   |
| MSTNG Normal Correction _____  | 0.00 ohmm                  |
| MSTNG Inverse Correction _____ | 0.00 ohmm                  |

**\* Calibration Summary \***

|                                   |                 |            |       |
|-----------------------------------|-----------------|------------|-------|
| <b>Shop Calibration<br/>GRT-B</b> |                 |            |       |
| Performed : 24-JUN-2019           | Time : 12:20    |            |       |
| Sensor Suite : GR-GR5             | ID : GRT-BC-038 |            |       |
| Measured                          | Units           | Calibrated | Units |

|                                    |                  |                |                |                  |           |
|------------------------------------|------------------|----------------|----------------|------------------|-----------|
| GR                                 | Background<br>36 | Jig<br>266     | CPS            | Jig<br>160       | GRAPI     |
| <b>Shop Calibration<br/>MST-DA</b> |                  |                |                |                  |           |
| Performed : 30-MAY-2013            |                  |                | Time : 14:43   |                  |           |
| Sensor Suite : CALI-MSN            |                  |                | ID : MST-DA-36 |                  |           |
|                                    |                  | Jig - Measured |                | Jig - Calibrated |           |
|                                    | Ring#1           | Ring#2         | Ring#1         | Ring#2           | Units     |
| CL # 1                             | 6.1              | 12.1           | 6.0            | 12.0             | IN.       |
| Performed : 30-MAY-2013            |                  |                | Time : 14:44   |                  |           |
| Sensor Suite : MSTDA-NI            |                  |                | ID : MST-DA-36 |                  |           |
|                                    |                  | Internal       |                |                  |           |
|                                    | Measured         |                | Calibrated     |                  |           |
|                                    | Zero             | Reference      | Units          | Zero             | Reference |
| INV-V                              | 221.0            | 21282.7        |                | 0.00             | 1946.00   |
| NOR-V                              | 164.0            | 21140.6        |                | 0.00             | 1546.00   |
| IN-C                               | 157.3            | 21367.2        |                | 0.00             | 15.46     |
| INV-R                              |                  |                |                | 40.71            | OHMM      |
| NOR-R                              |                  |                |                | 55.11            | OHMM      |



Company: MERIT ENERGY COMPANY  
 Well: CORA #1-16  
 Location: 414' FWL & 2002' FNL  
 Logged: 02-28-2020  
 K.B. Elev: 2875.0 Ft