

Company **BANKS RESOURCES**  
Well **SUNRAY FARMS #1-9**  
Field **WILDCAT**  
County **GREELEY**  
State **KANSAS**

FINAL PRINT  
**RECON**  
BHC SONIC  
GAMMA RAY  
X-Y CALIPER

| SEC                             | TWP | RGE | OTHER SERVICES:           |     |
|---------------------------------|-----|-----|---------------------------|-----|
| 09                              | 17S | 41W | DIL                       | LDT |
| Location: 2305' FNL & 2406' FWL |     |     | CNL                       | MEL |
| SURF. SAME                      |     |     | E2/SE/SE/NW               |     |
|                                 |     |     | API#: 015-071-20879-00-00 |     |
| Permanent Datum                 |     |     | Ground Level              |     |
| Log Measured From               |     |     | Kelly Bushing             |     |
| Drilling Measured From          |     |     | Kelly Bushing             |     |
|                                 |     |     | Elev 3740                 |     |
|                                 |     |     | ELEVATIONS                |     |
|                                 |     |     | K.B. 3757                 |     |
|                                 |     |     | G.L. 3740                 |     |
|                                 |     |     | D.F. N/A                  |     |

|                          |             |            |
|--------------------------|-------------|------------|
| Date                     | 07-DEC-2014 |            |
| Run No.                  | ONE         |            |
| TD Driller               | 5250        | ft.        |
| TD RECON                 | 5242        | ft.        |
| Bot Logged Interval      | 5241        | ft.        |
| Top Logged Interval      | 400         | ft.        |
| Casing Depth Driller     | 8 5/8       | in.        |
| Casing Depth RECON       | 8 5/8       | in.        |
| Bit Size                 | 7 7/8       | in.        |
| Drilling Fluid Type      | WBM         |            |
| Density                  | 9.5         | 70         |
| Fluid Loss               | PH          | 8.8        |
| Source Of Sample         | Flowline    |            |
| RM @ Measured Temp       | 2.45        | Ohmm @ 75  |
| RMF @ Measured Temp      | 1.84        | Ohmm @ 75  |
| RMC @ Measured Temp      | 3.06        | Ohmm @ 75  |
| RM @ MRT                 | 0.93        | Ohmm @ 138 |
| Max Recorded Temp        | 138         | DegF       |
| Time Drilling Stopped    | 07-DEC-2014 | 05:45      |
| Time Circulation Stopped | 07-DEC-2014 | 08:45      |
| Time Logger On Bottom    | 07-DEC-2014 | 20:30      |
| Unit Num                 | Location    | S406       |
| Recorded By              | K.HELDERMON |            |
| Witnessed By             | S.BANKS     |            |

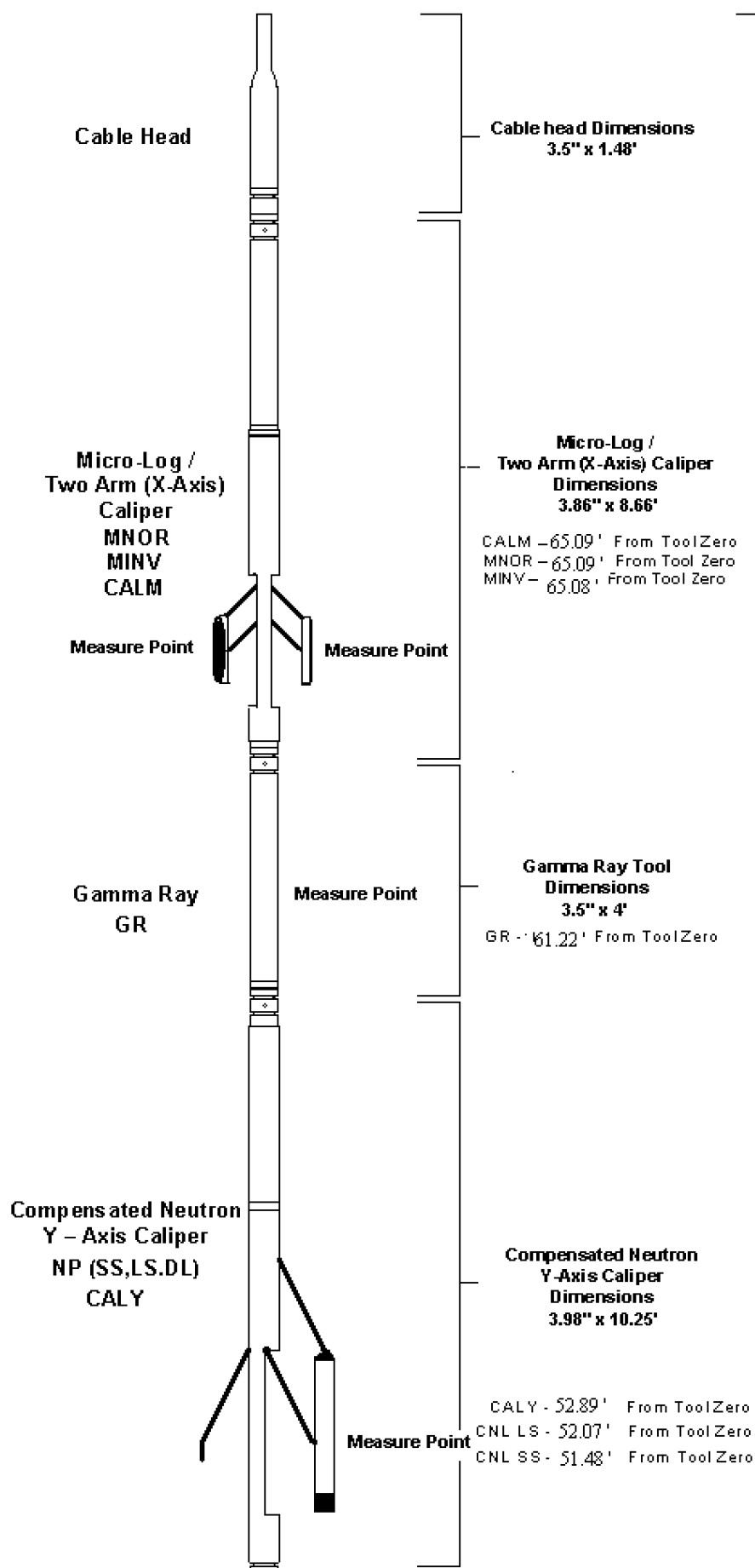
|                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All interpretations are based on inferences from electrical or other readings, and therefore, RECON cannot and will not guarantee the accuracy of any interpretations of log data. RECON shall not be liable for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from | interpretations made by any of our officers, agents or employees, except in the case of provable Gross Neglegence or willfull damage. Interpretations are also subject to the terms and conditions of our Price Schedule and General Service Agreement. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| RIG INFORMATION  |            |
|------------------|------------|
| Drill Contr/Rig# | WILDCAT #1 |
|                  |            |

GENERAL REMARKS SECTION

|                                                                                                                                                                                                                                         |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| FIRST RUN IN THE HOLE<br>CNL AND LDT LOGGED IN A LIMESTONE MATRIX<br>TOP MARK - 567, BOTTOM MARK - 5071.8<br>CNL/LDT LOGGED MATRIX: 2.71 g/cc.<br><br>CHLORIDES: 4000<br>LCM: 2<br><br>THANK YOU FOR USING RECON PETROTECHNOLOGIES LTD. | AHV CALCULATED ON 5.5" PROD. CASING<br><br><br><br><br><br><br><br><br>CREW: J.ROSE |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|

**DUAL INDUCTION - SP / BHC SONIC /  
GAMMA RAY / LITHO-DENSITY / X CALIPER  
COMPENSATED NEUTRON / Y-CALIPER  
MICRO - LOG / M-CALIPER**



Digital Telemetry

Digital Telemetry Section  
Dimensions  
3.5" x 3.15'

Tool String  
Length Total  
73.64 '

Compensated  
Litho-Density (Pe)  
X – Axis Caliper

DP( SS,LS,DL)  
RHOB  
DRHO  
PE  
CALX  
Measure Point

Compensated Litho-Density  
X-Axis Caliper  
Dimensions  
3.98" x 9.35'

CALX - 38.94' From ToolZero  
LDT w1 -  
LDT w2 - -38.68' From ToolZero  
LDT w3 -  
LDT w4 -  
LDT SS - 38.19' From ToolZero

Borehole  
Compensated  
Sonic

SP(SS,LS,DL)  
DT  
TTI  
VDL  
TT

Measure Point  
Tool First Reading  
Point

T-1  
Transmitter 1

Borehole Compensated Sonic  
Tool Dimensions  
3.5" x 15.75'

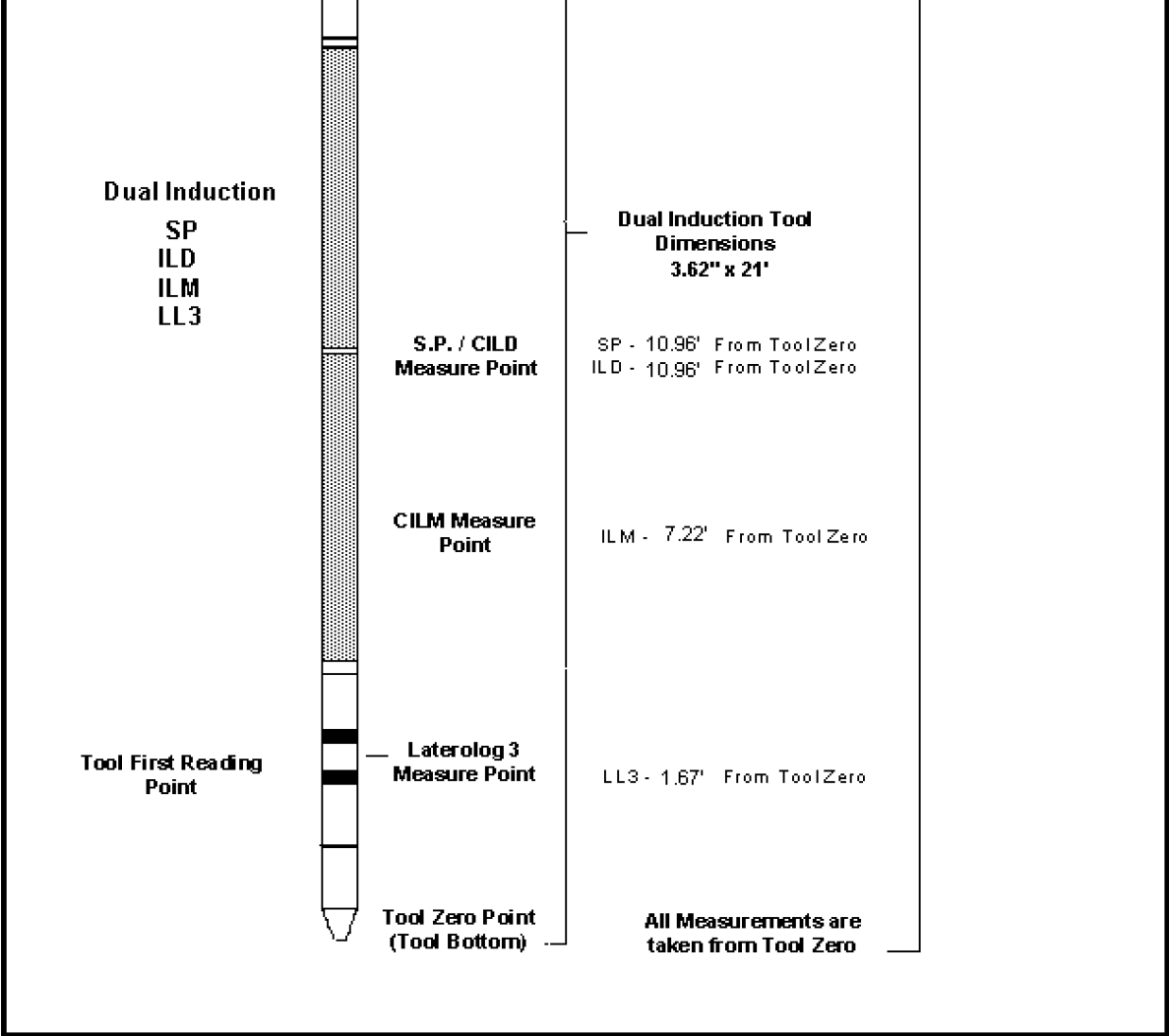
T1R1 - 33.35' From ToolZero  
T1R2 - 31.35' From ToolZero

R-1  
Receiver 1

R-2  
Receiver 2

T2R1 - 28.54' From Tool Zero  
T2R2 - 28.37' From Tool Zero

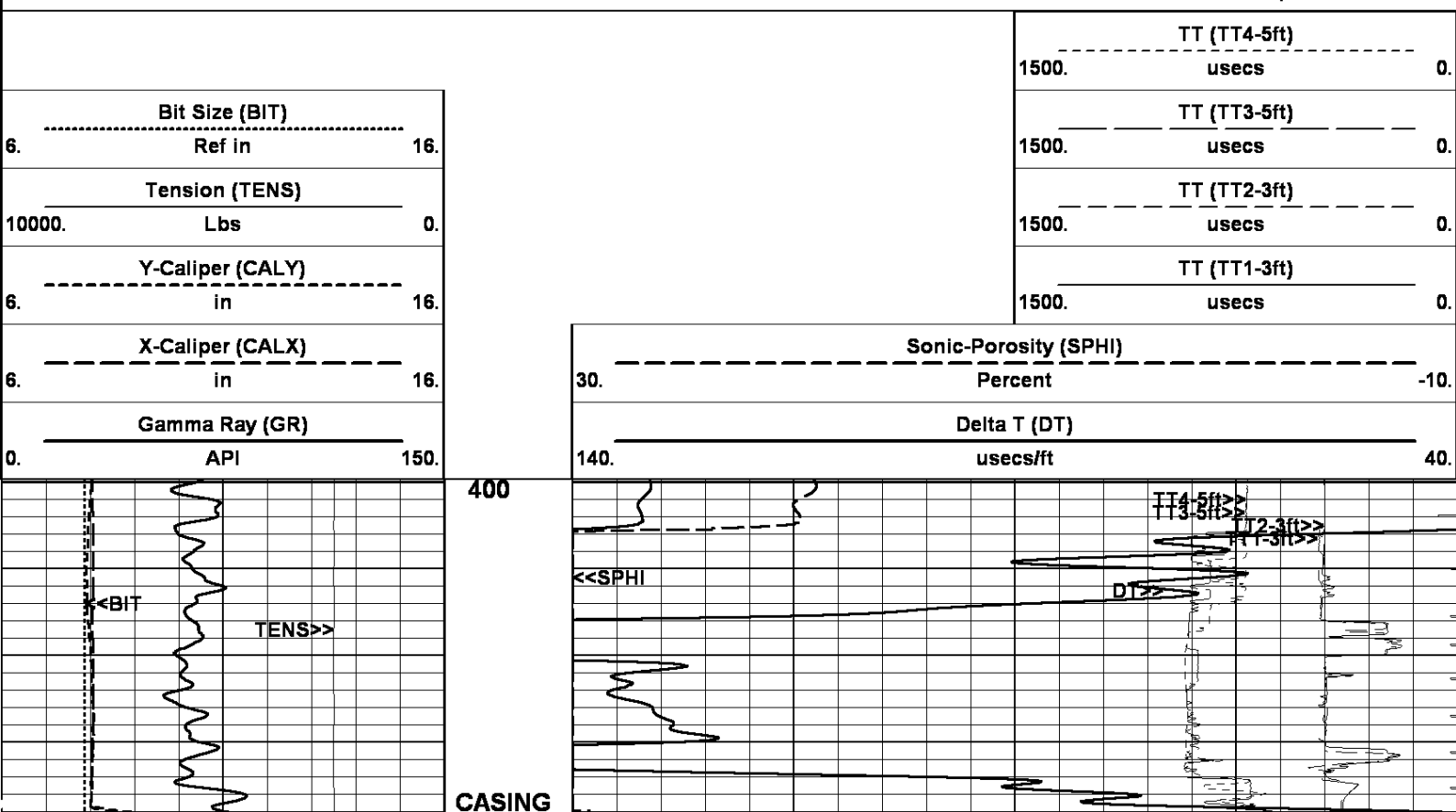
T-2  
Transmitter 2

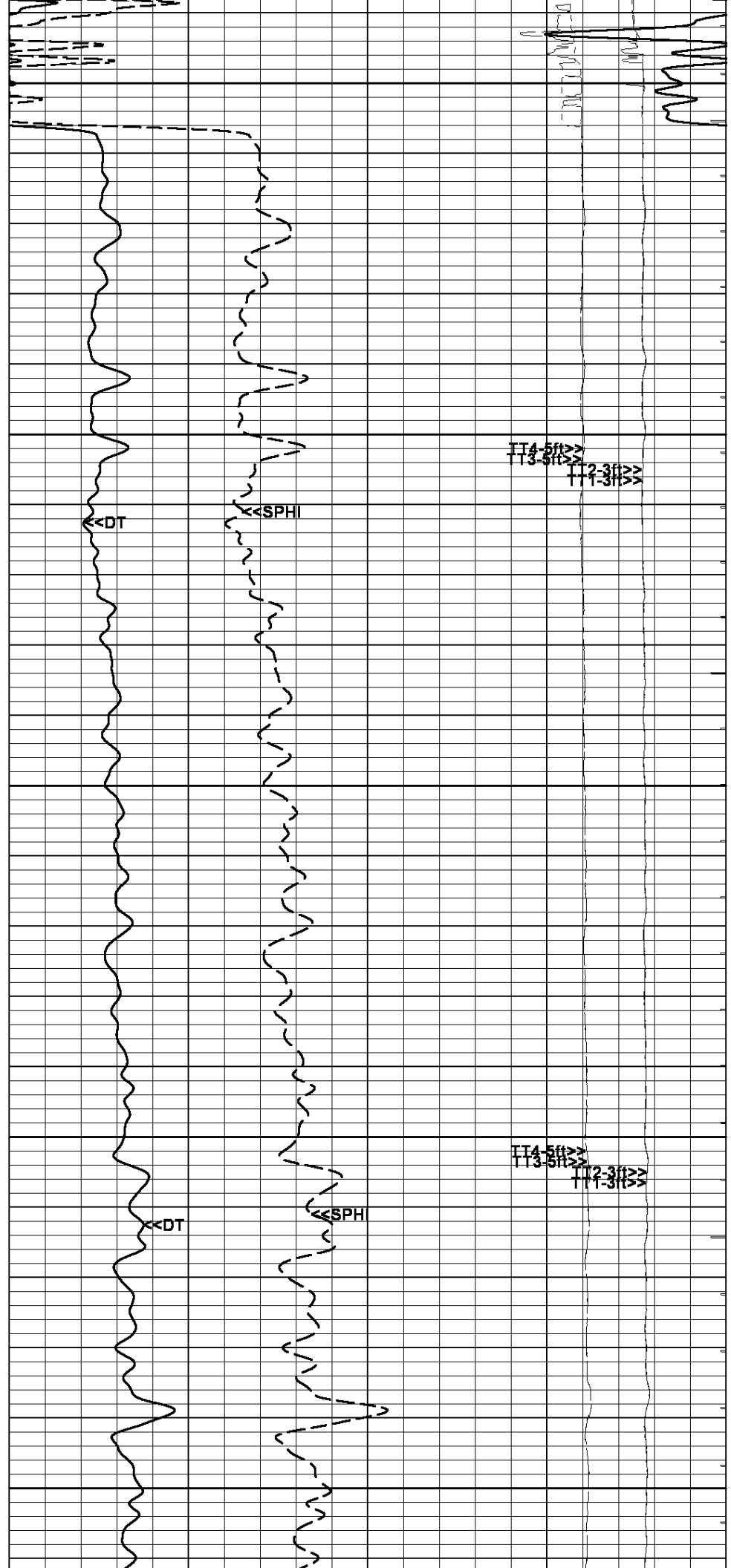
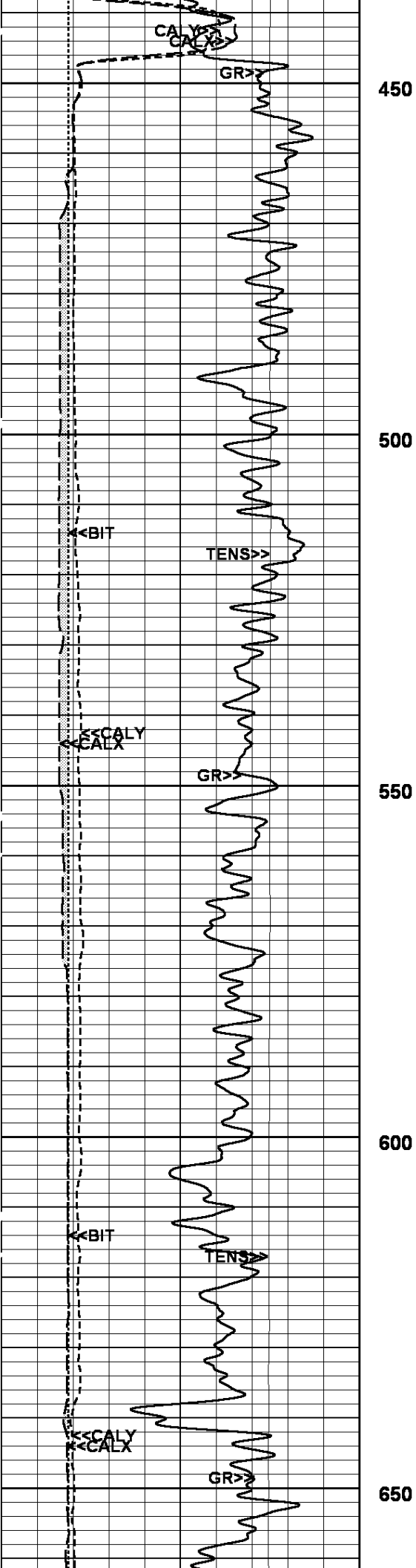


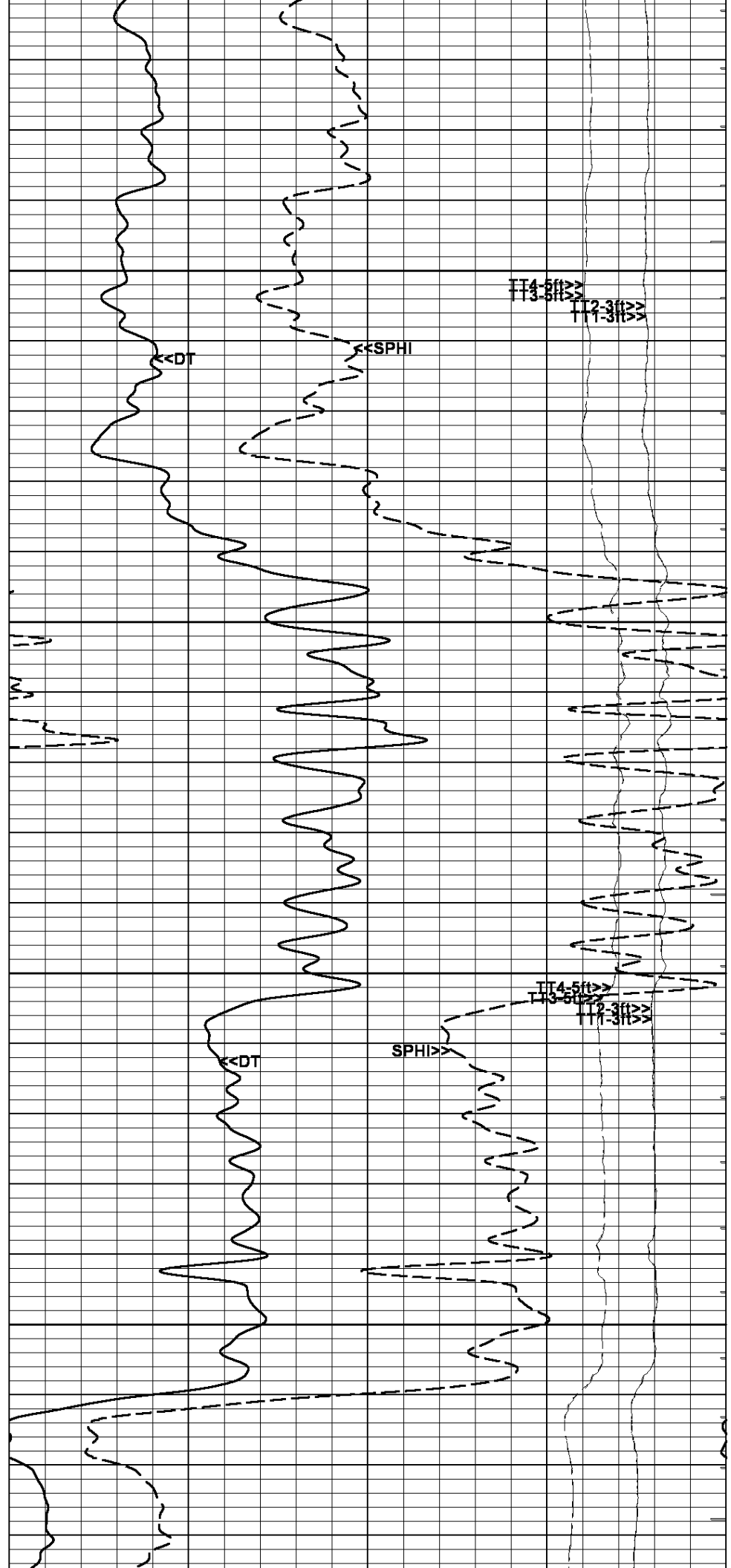
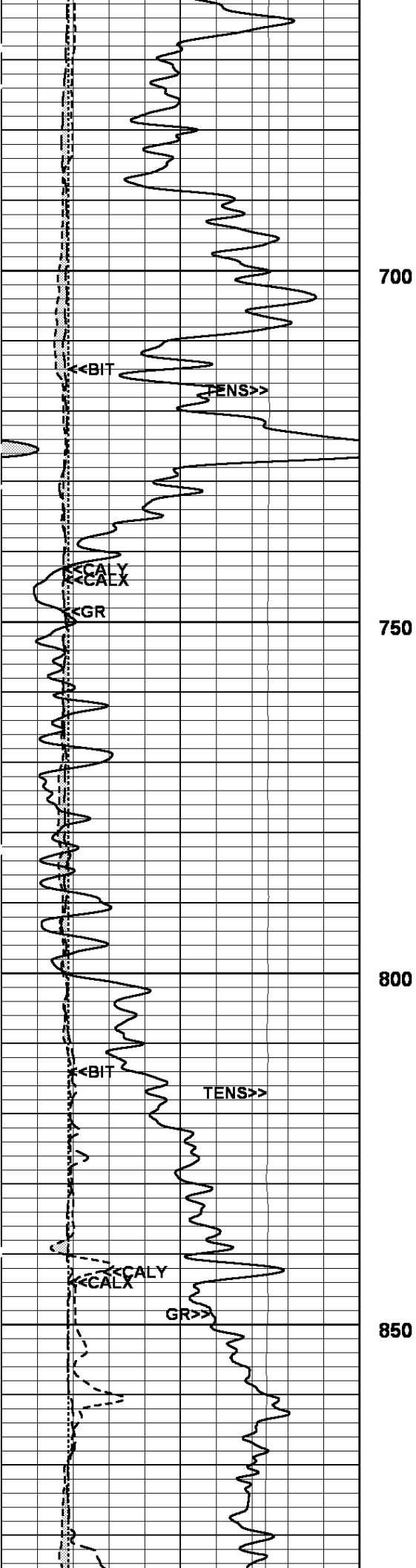
12/07/2014  
22:42:19 => End Time

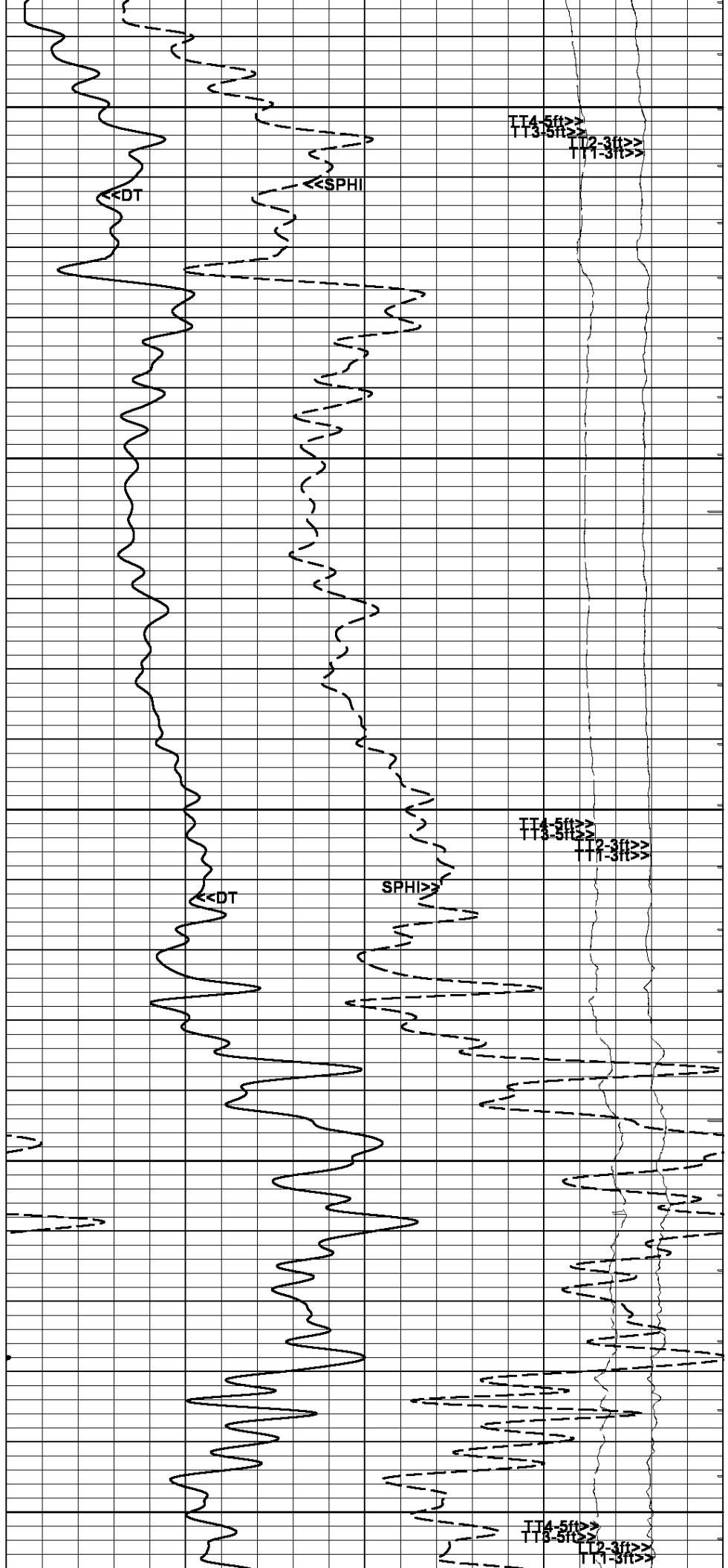
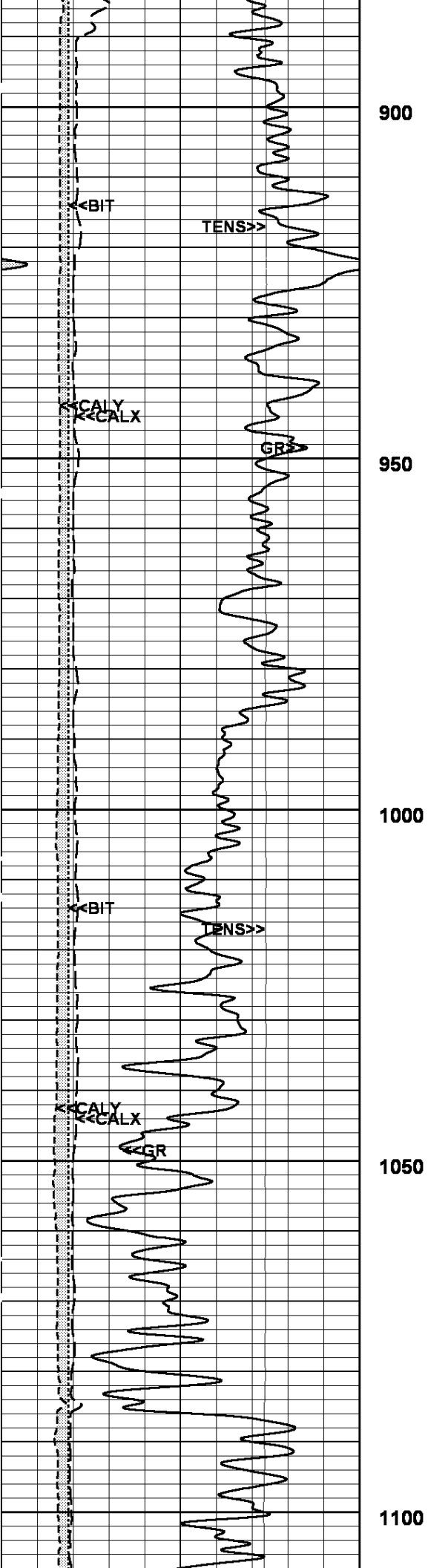
**MAIN PASS - LIMESTONE (5"/100ft)**

Log UP - (VER 11.10)  
End Depth=> 399.90 Feet

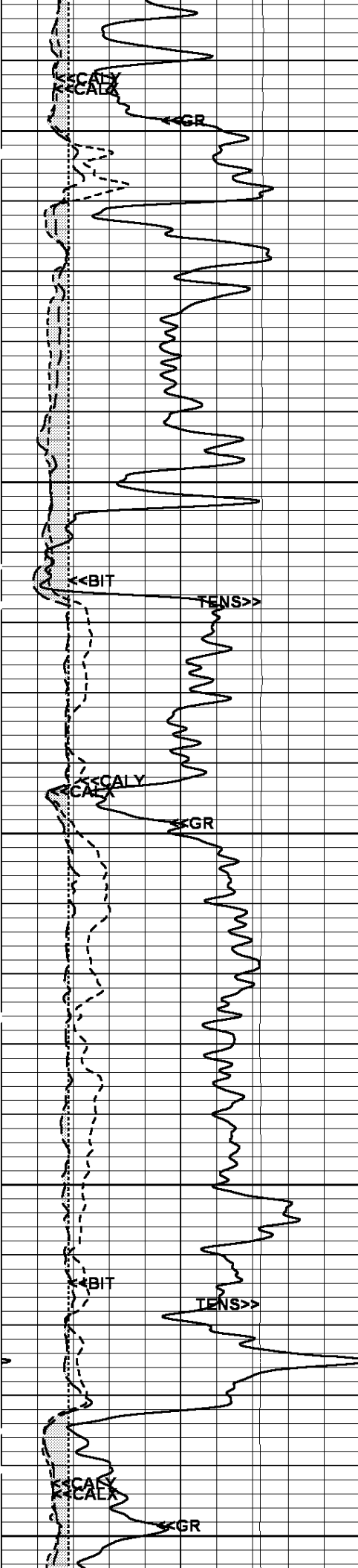












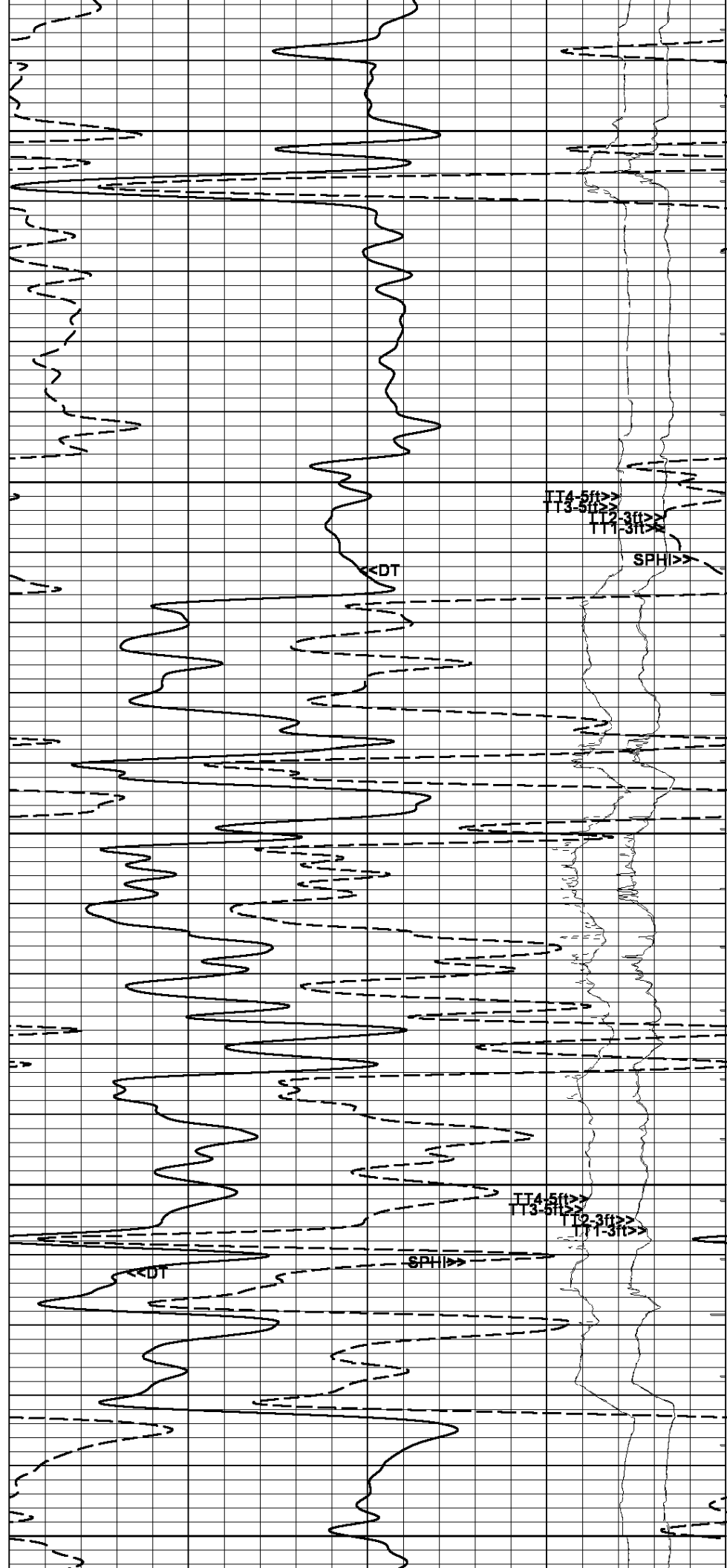
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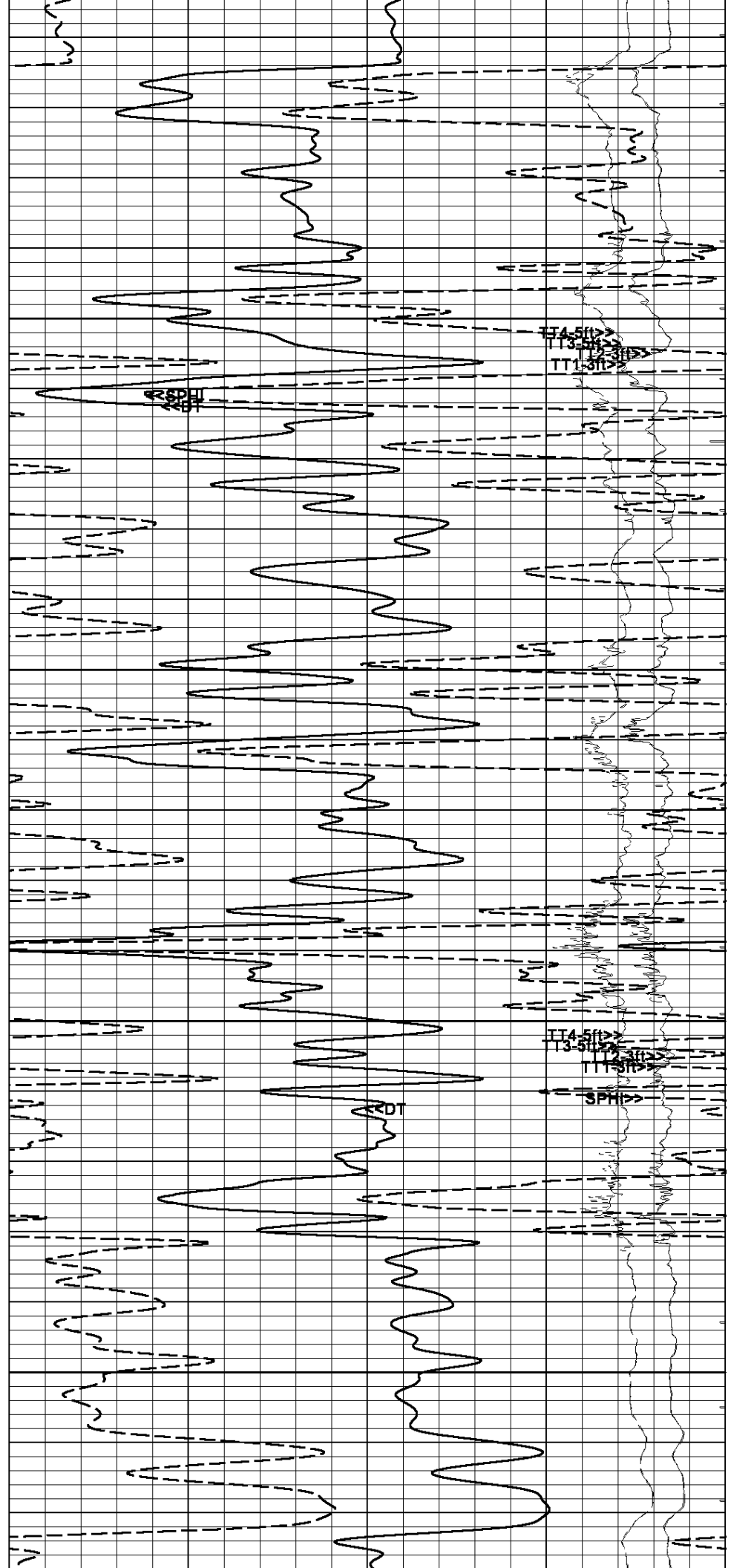
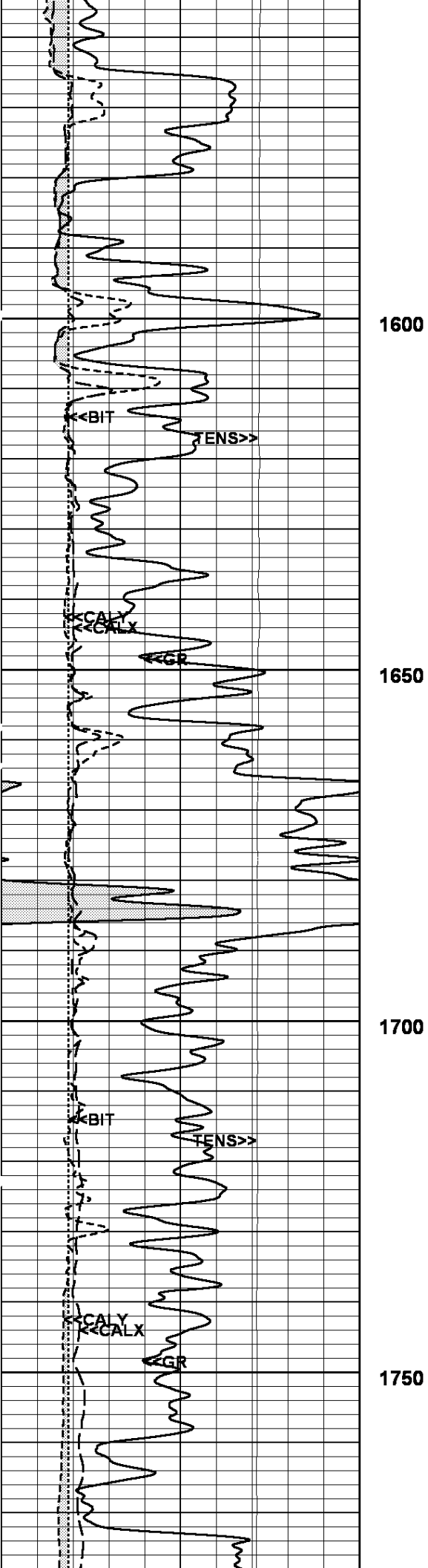
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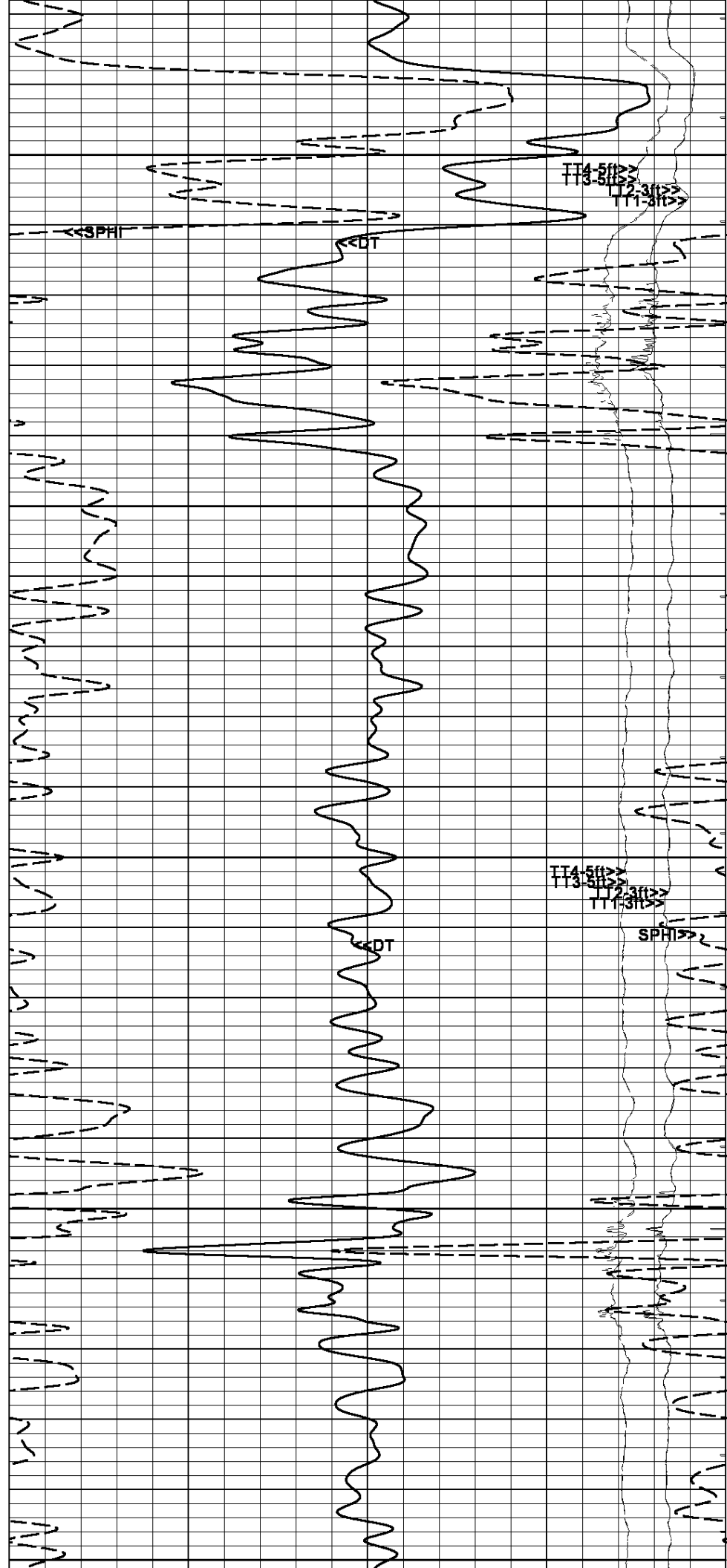
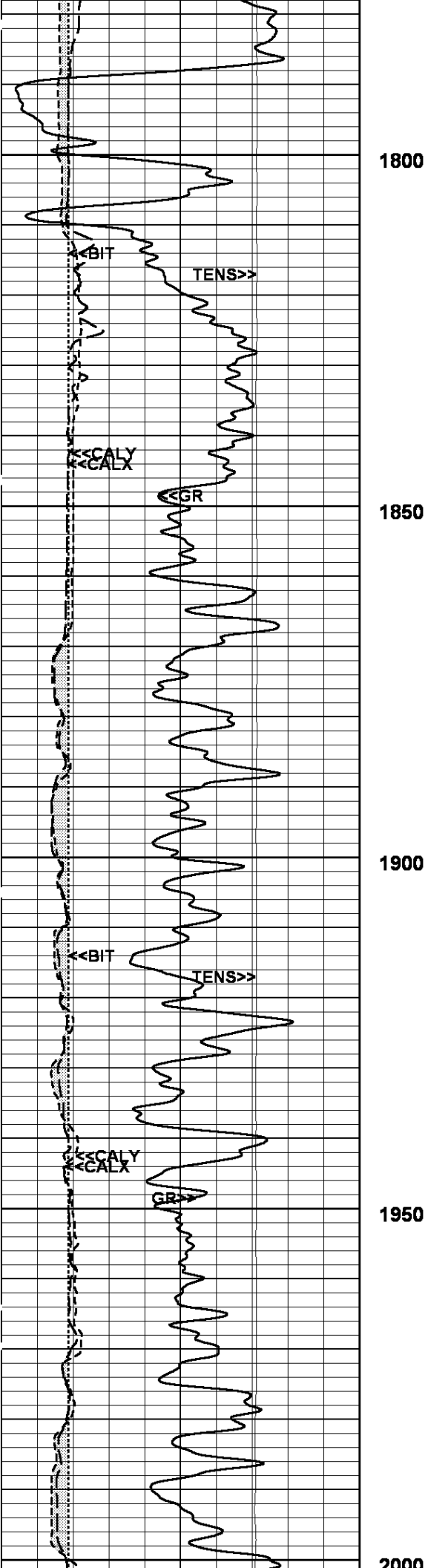
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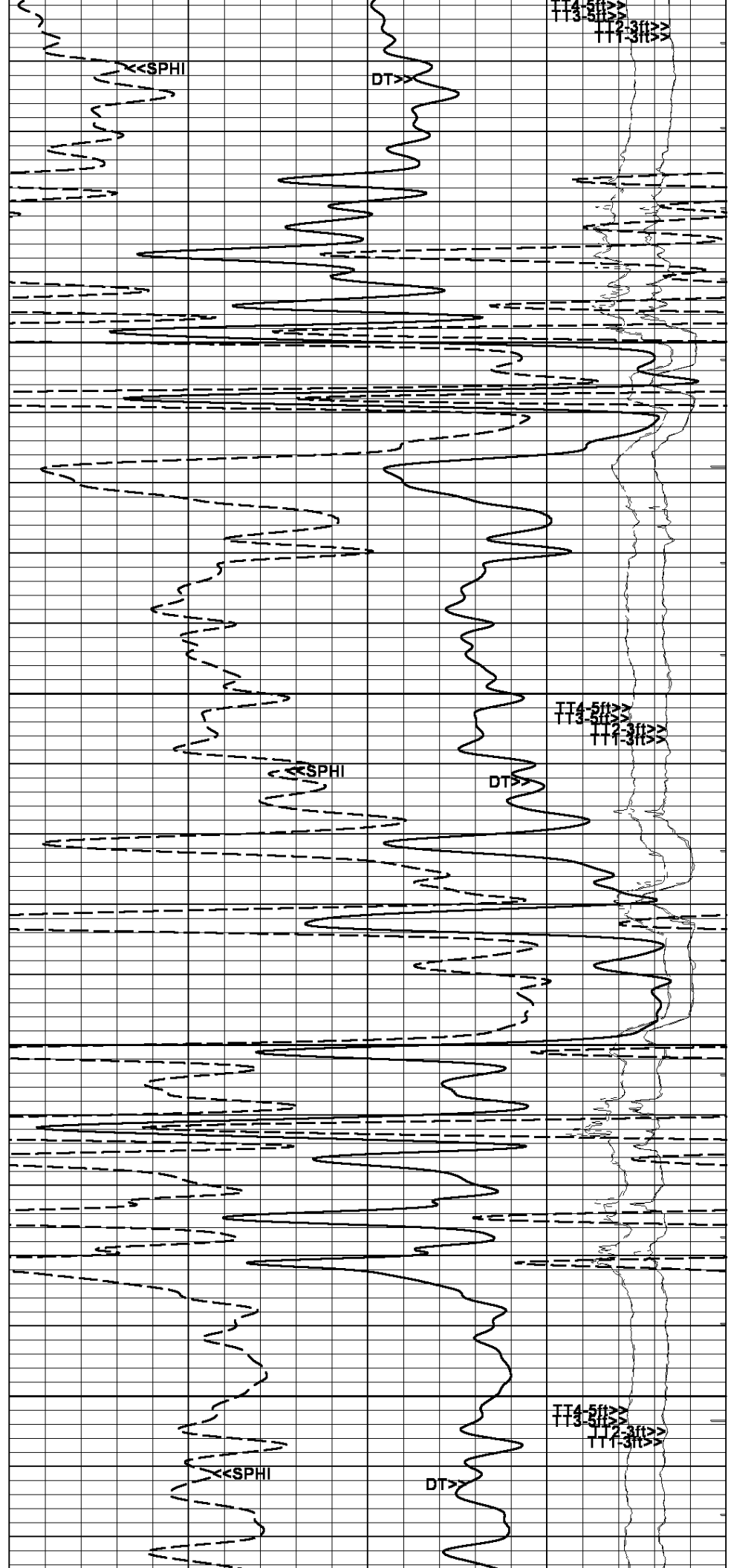
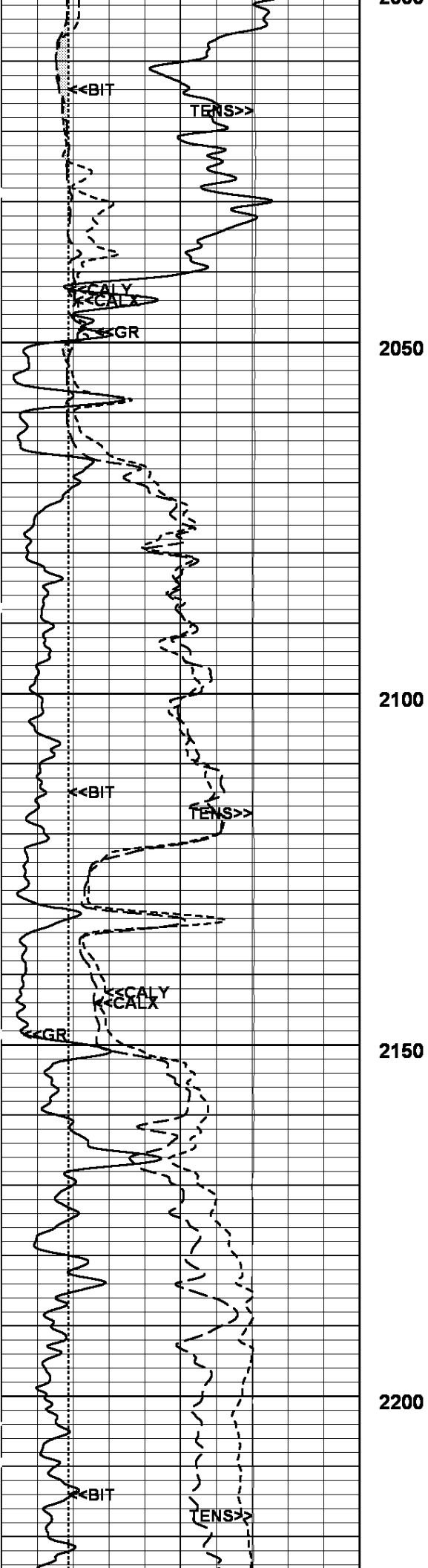
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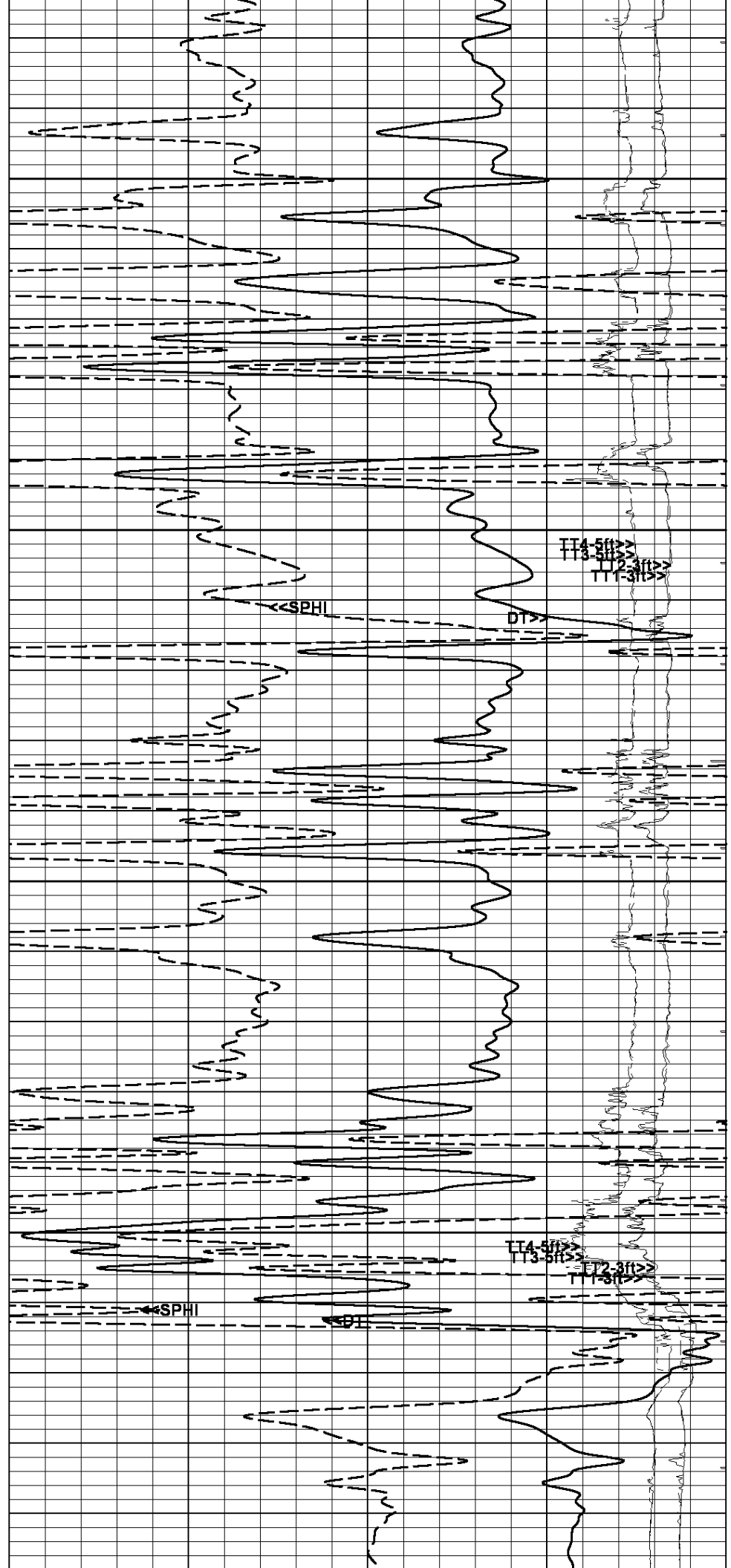
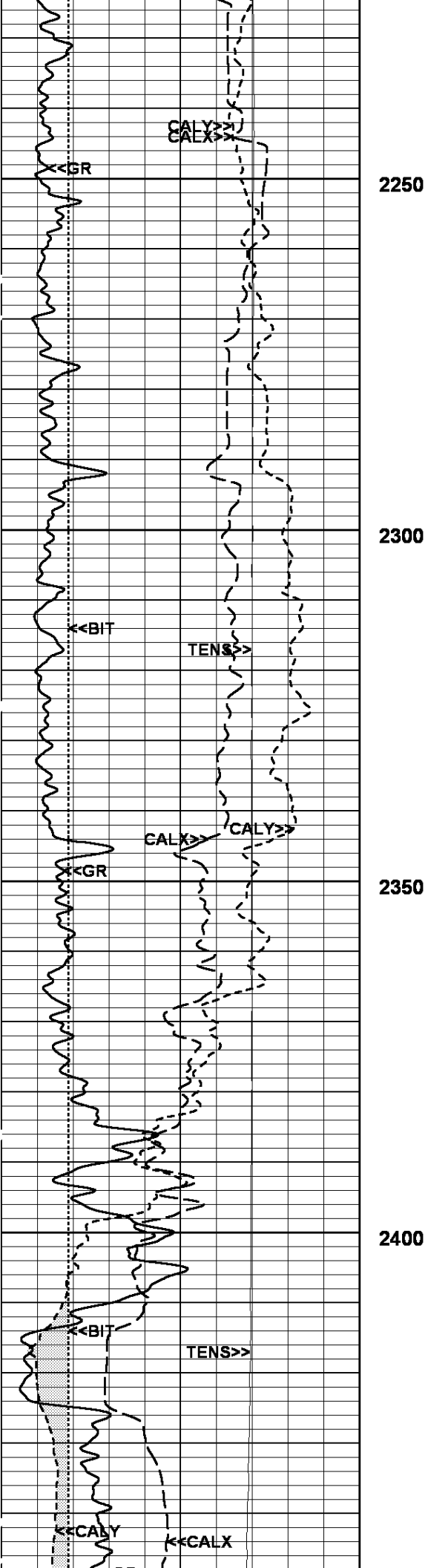
1550

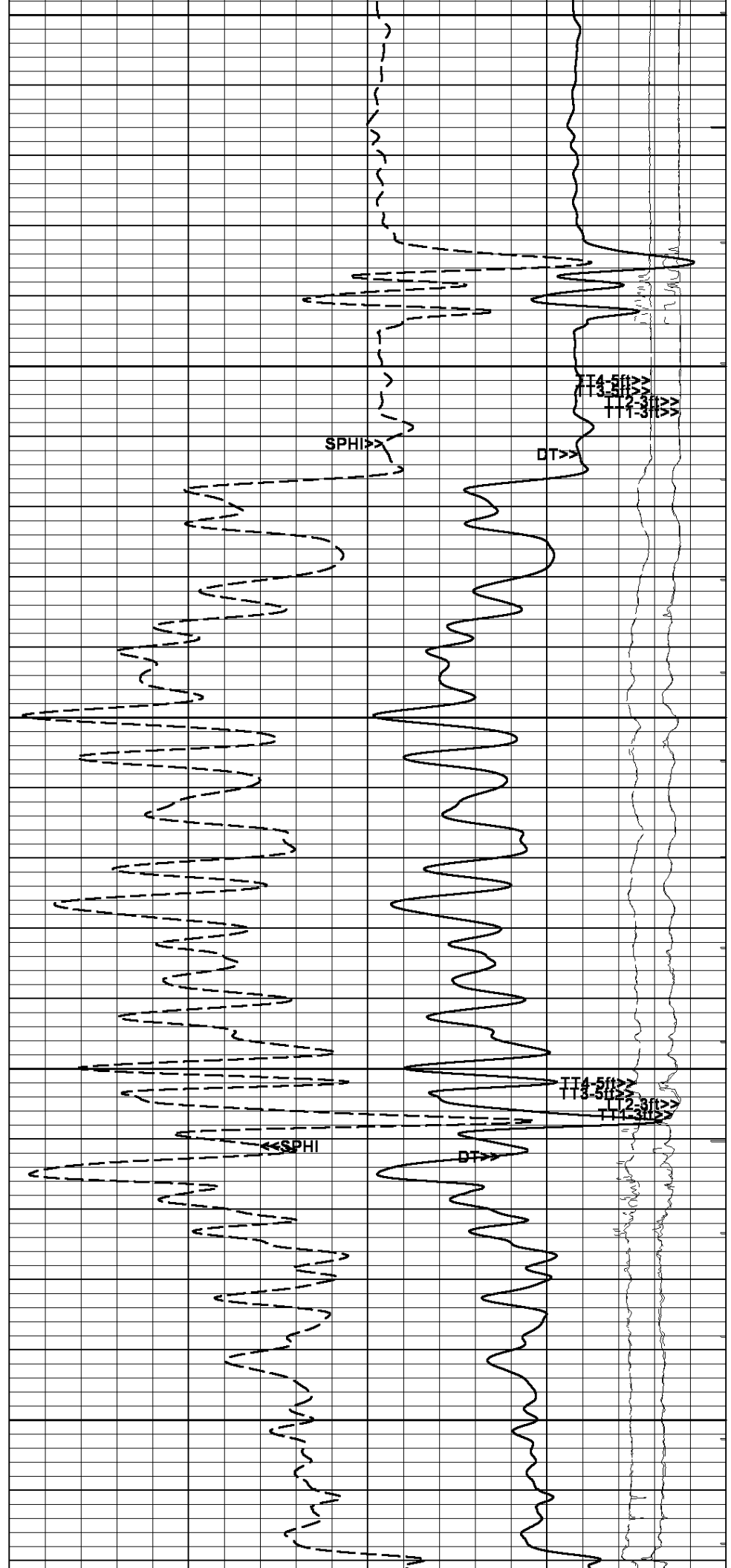
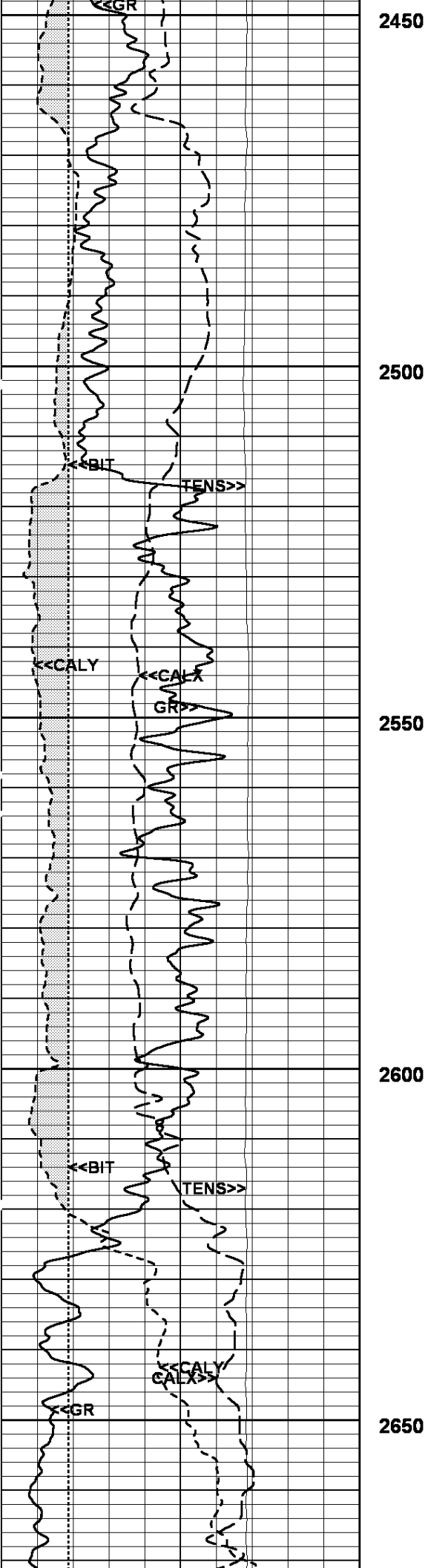


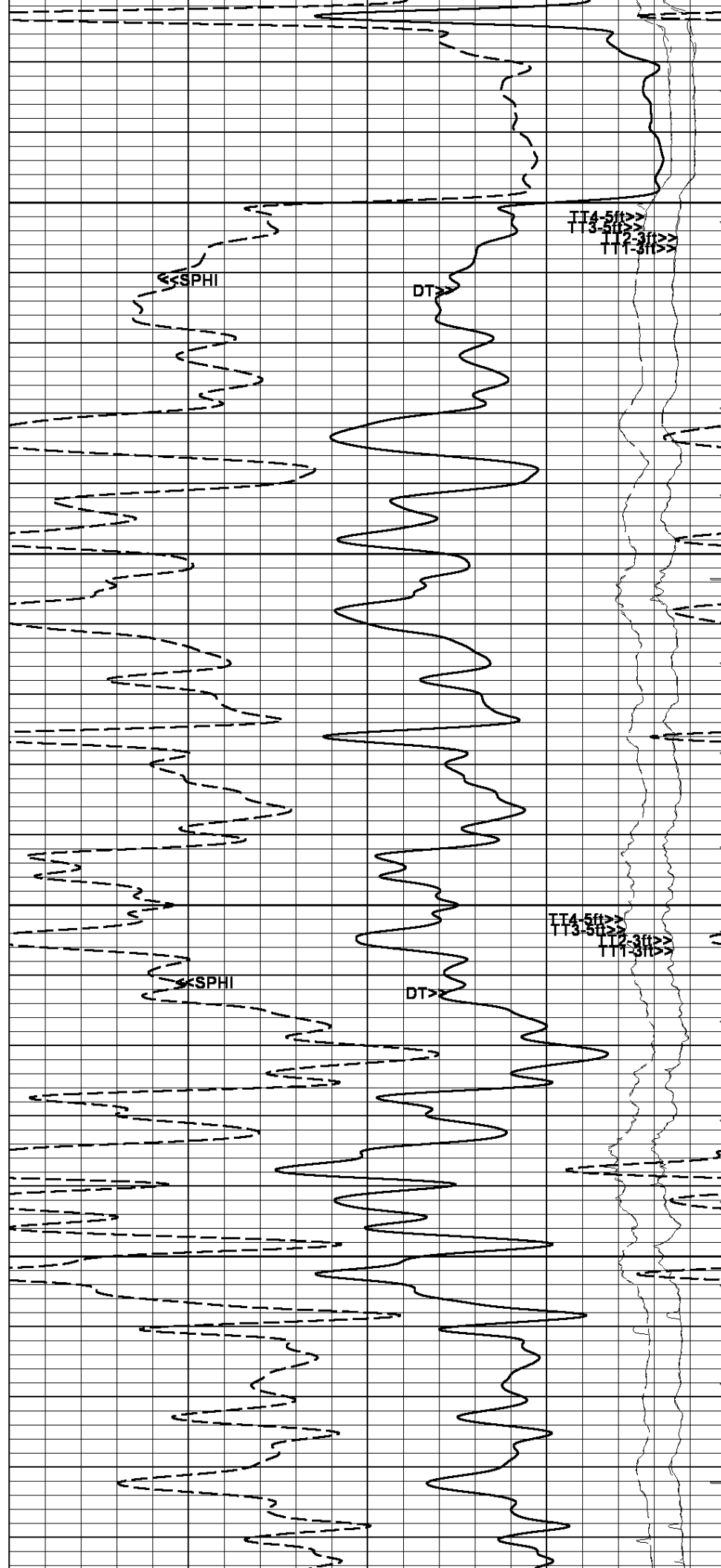
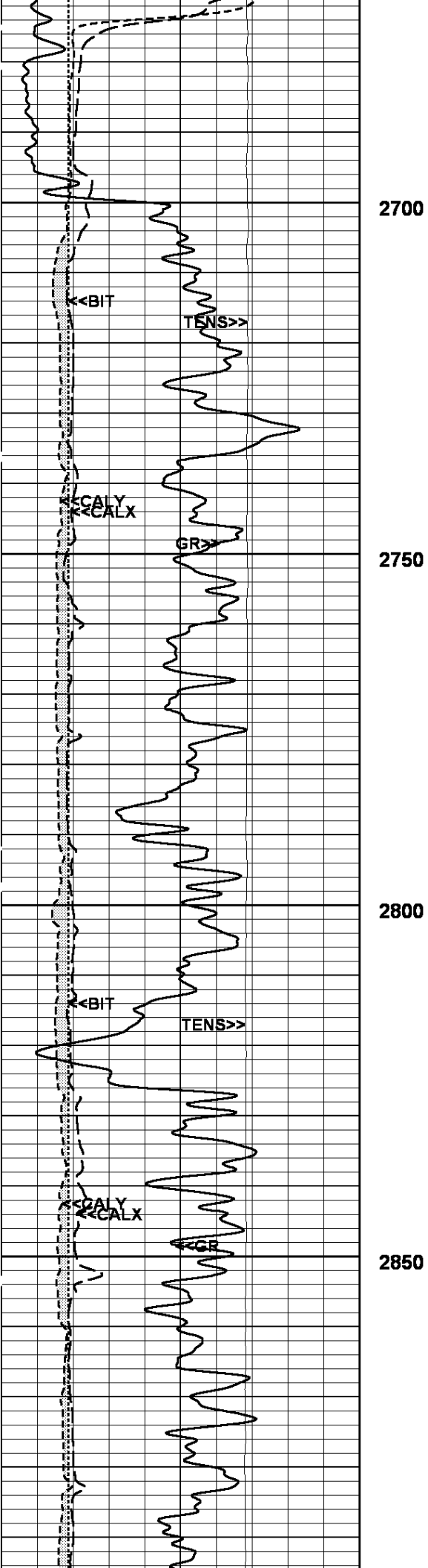


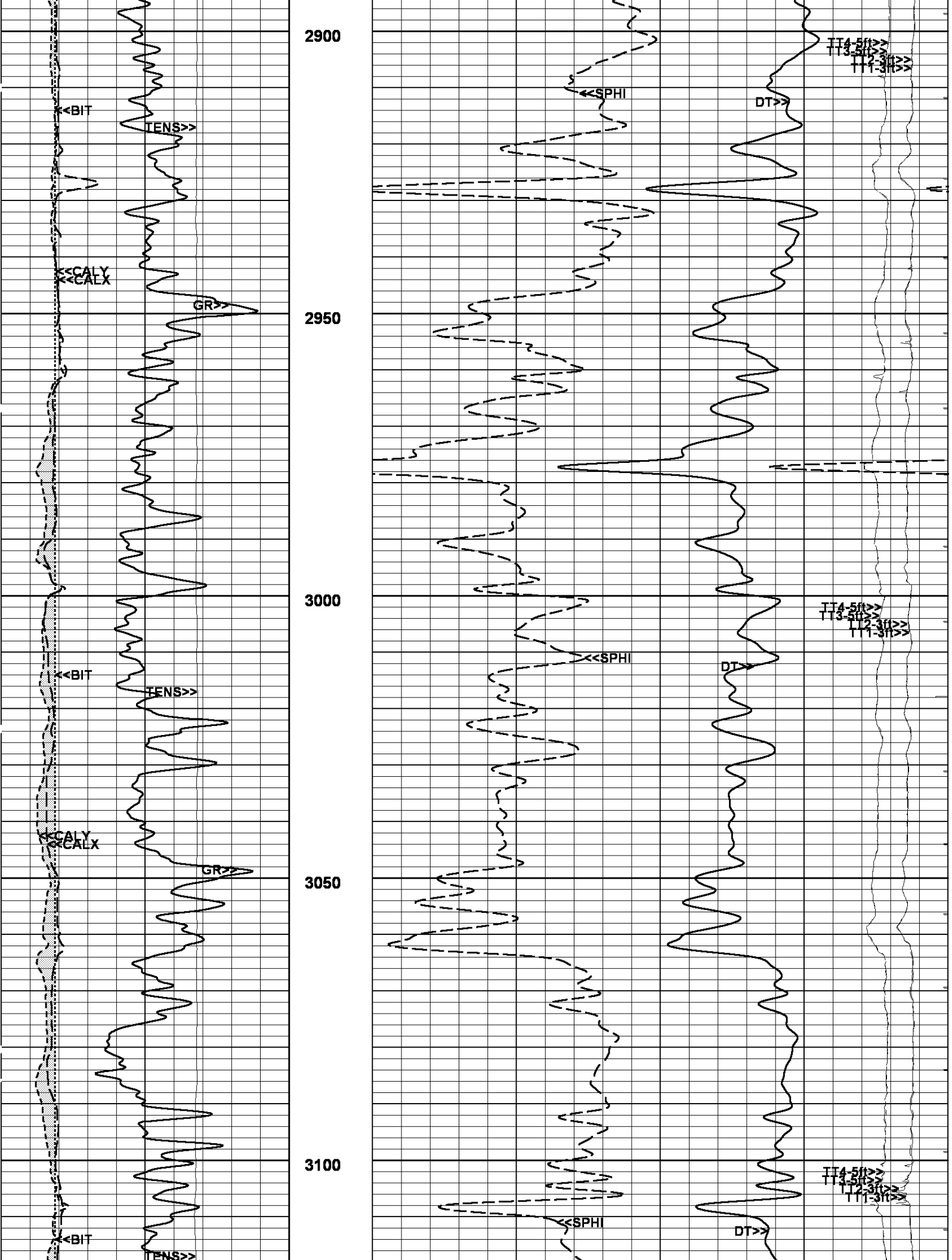


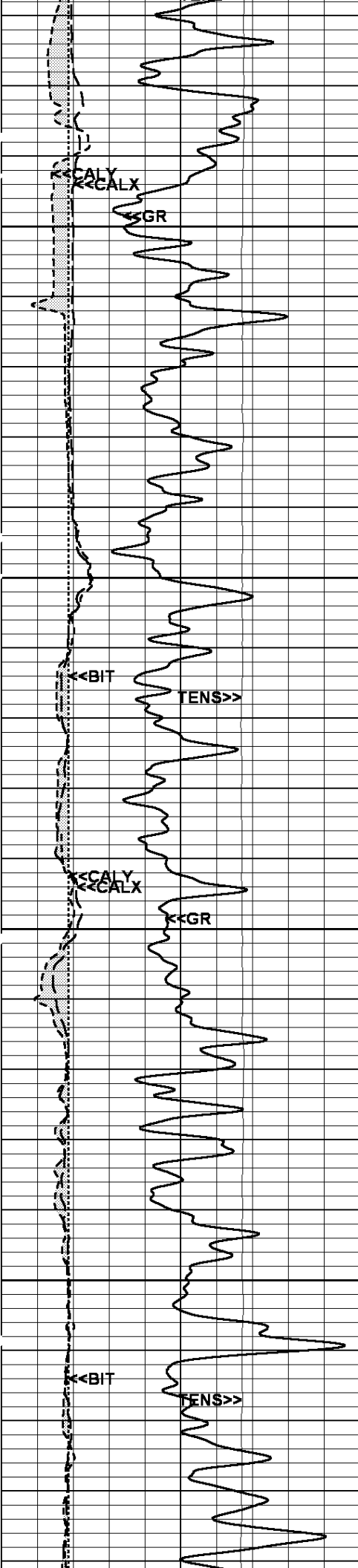










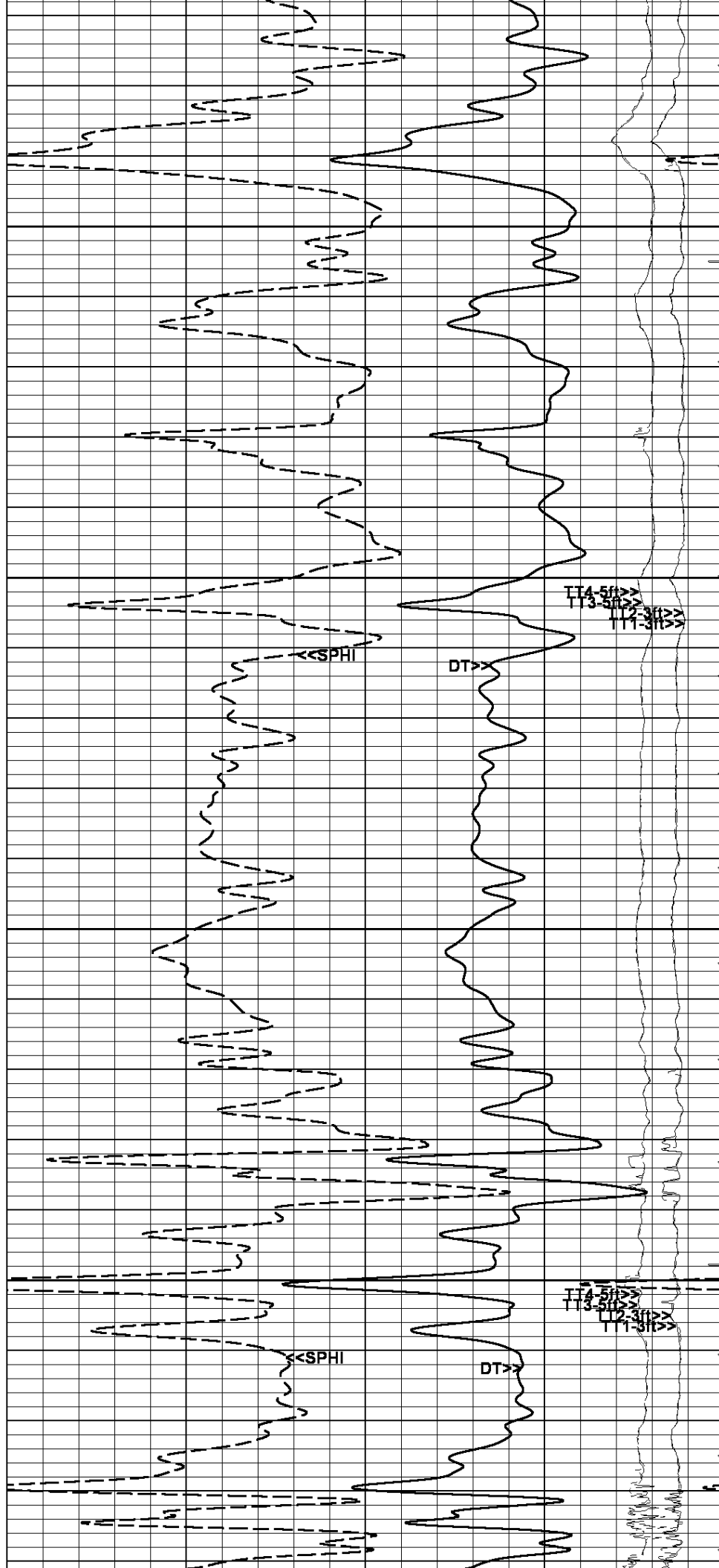


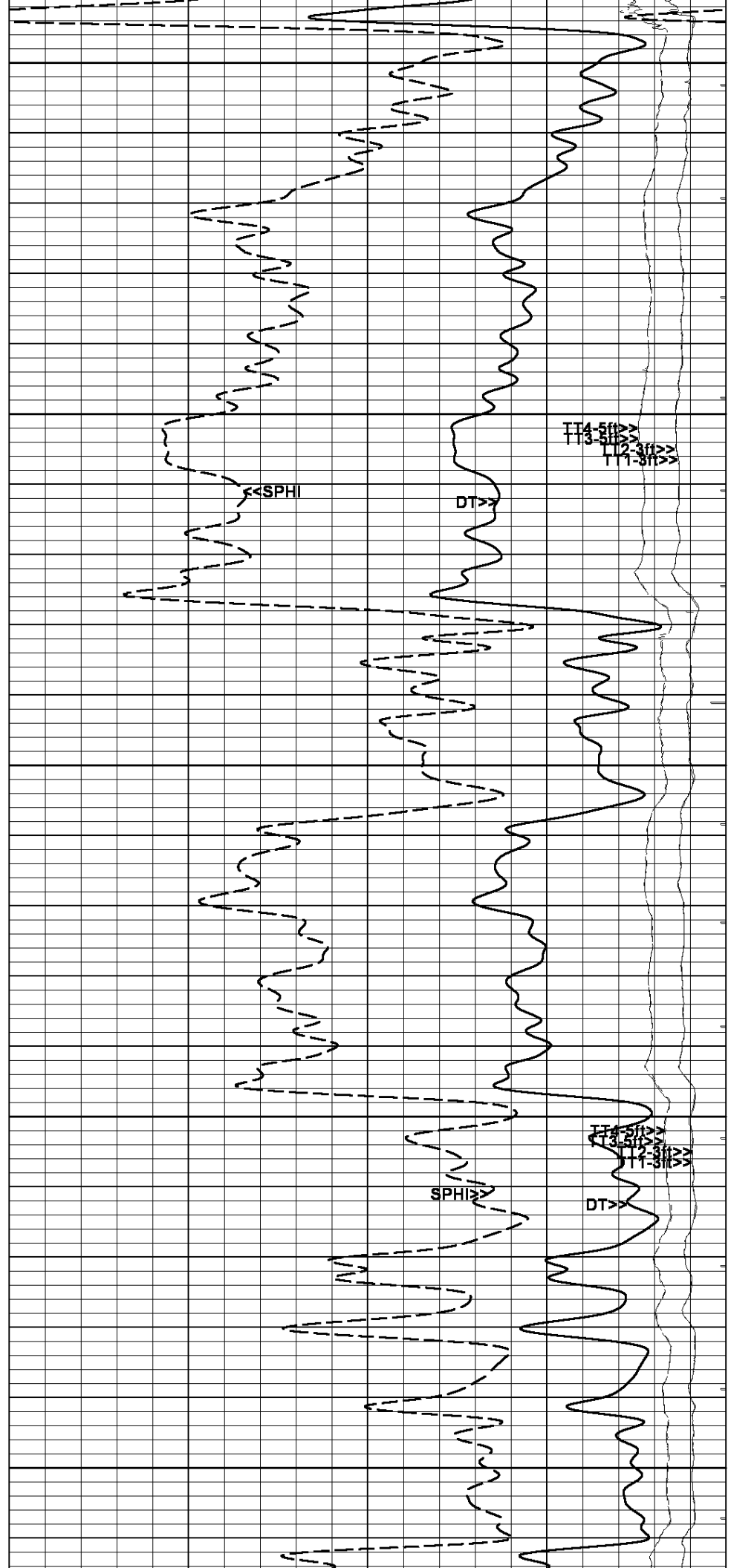
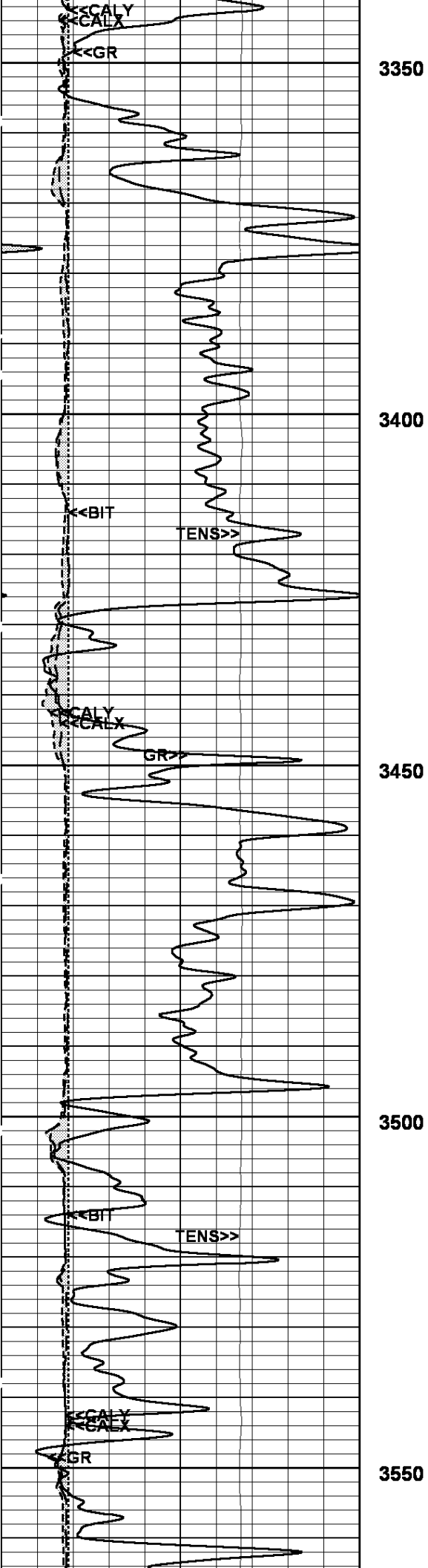
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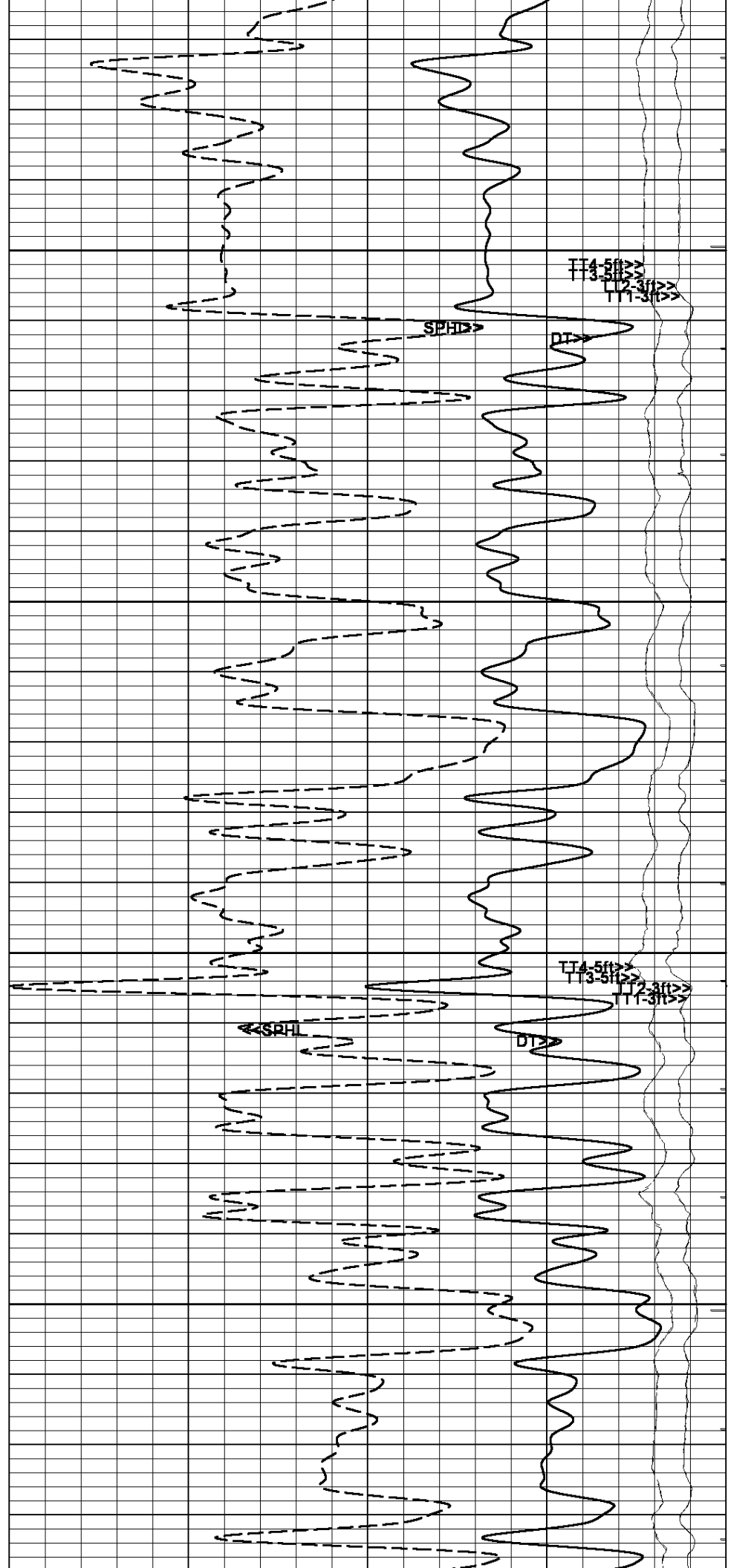
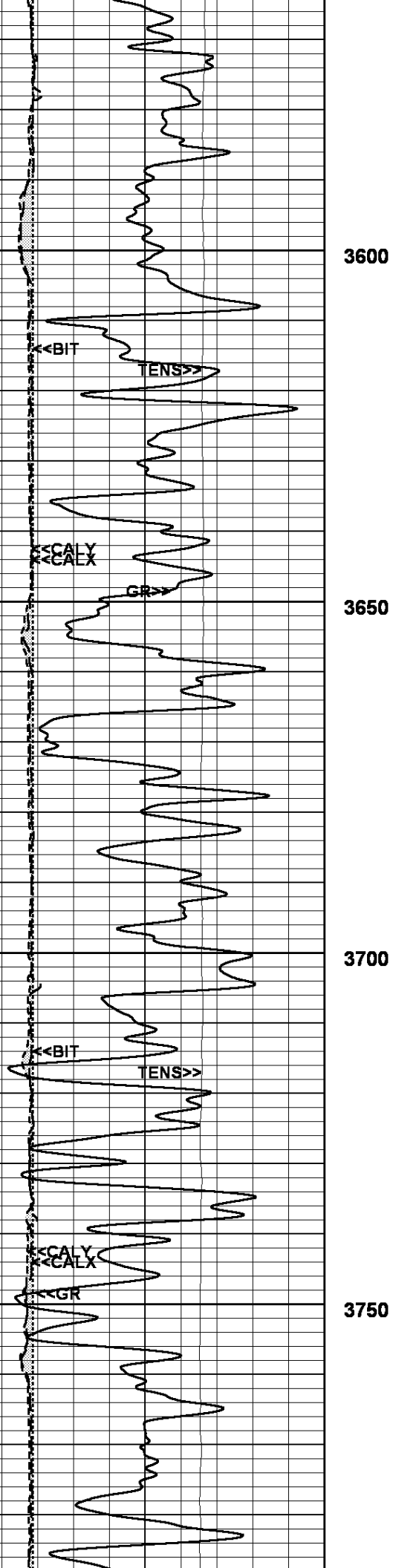
3200

3250

3300







3800

<<BIT  
TENS>>

<<CALX  
GR>

3850

3900

<<BIT  
TENS>>

<<CALX  
GR>

3950

4000

TT4-5H>>  
TT3-5H>>  
TT1-3H>>

SPHI>>

DT>>

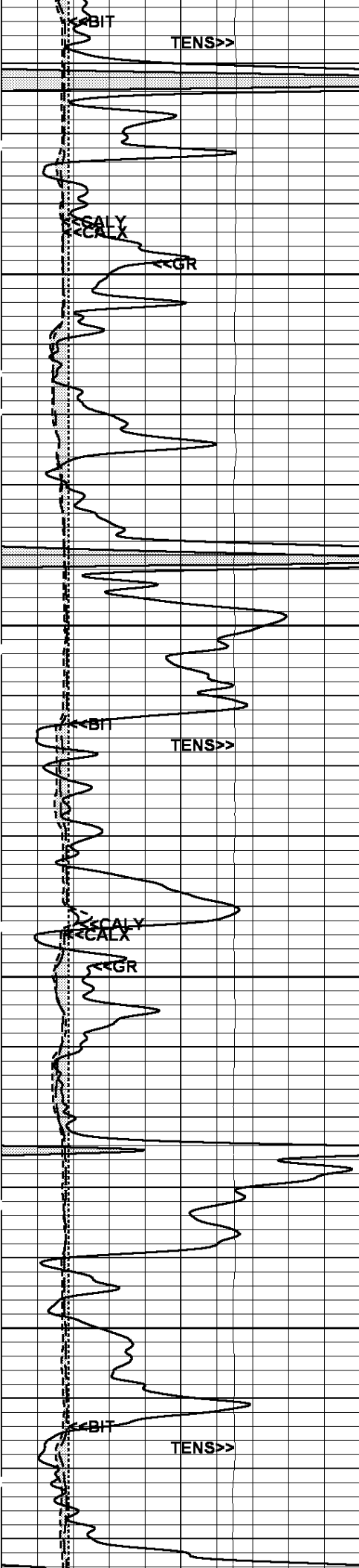
TT4-5H>>  
TT3-5H>>  
TT1-3H>>

<<SPHI

DT>>

TT4-5H>>  
TT3-5H>>  
TT1-3H>>

SPHI>>

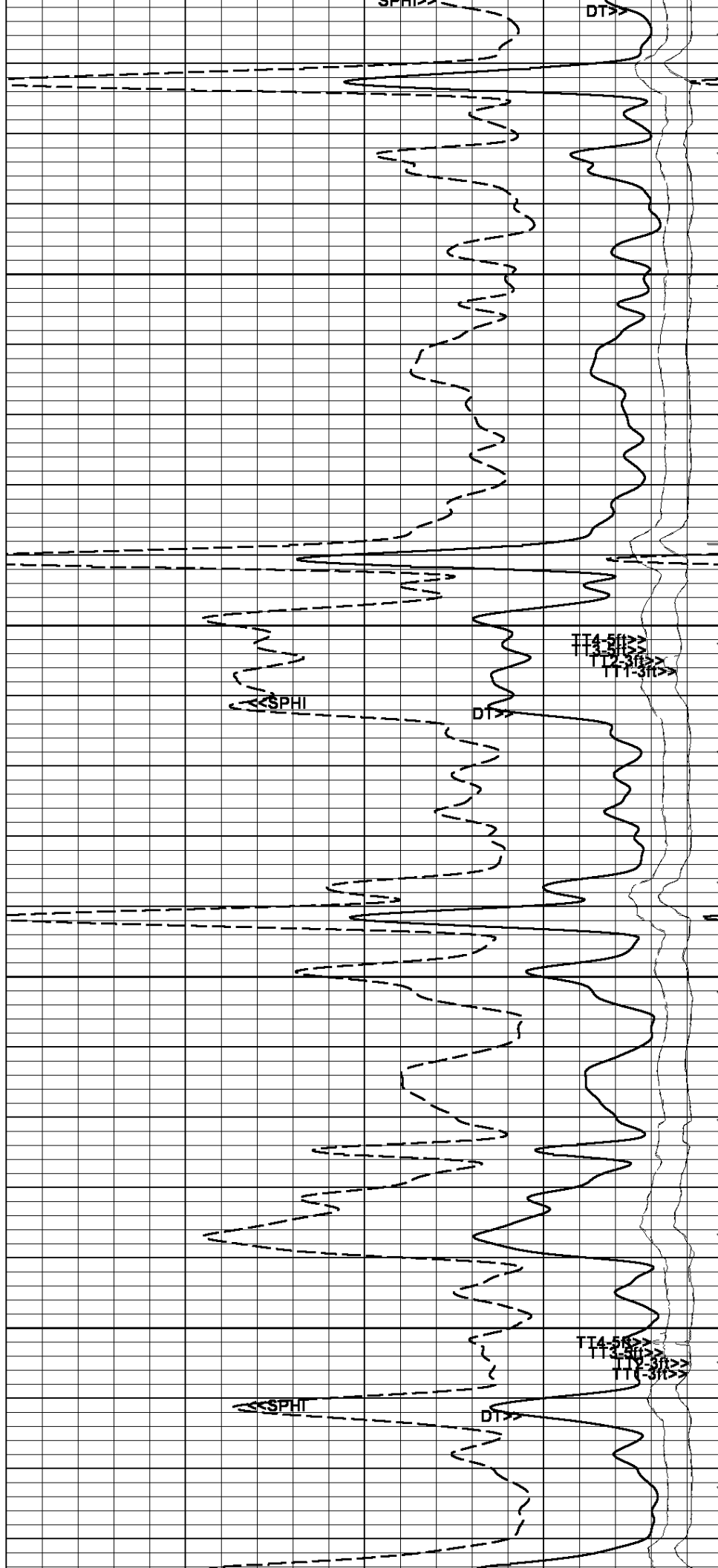


4050

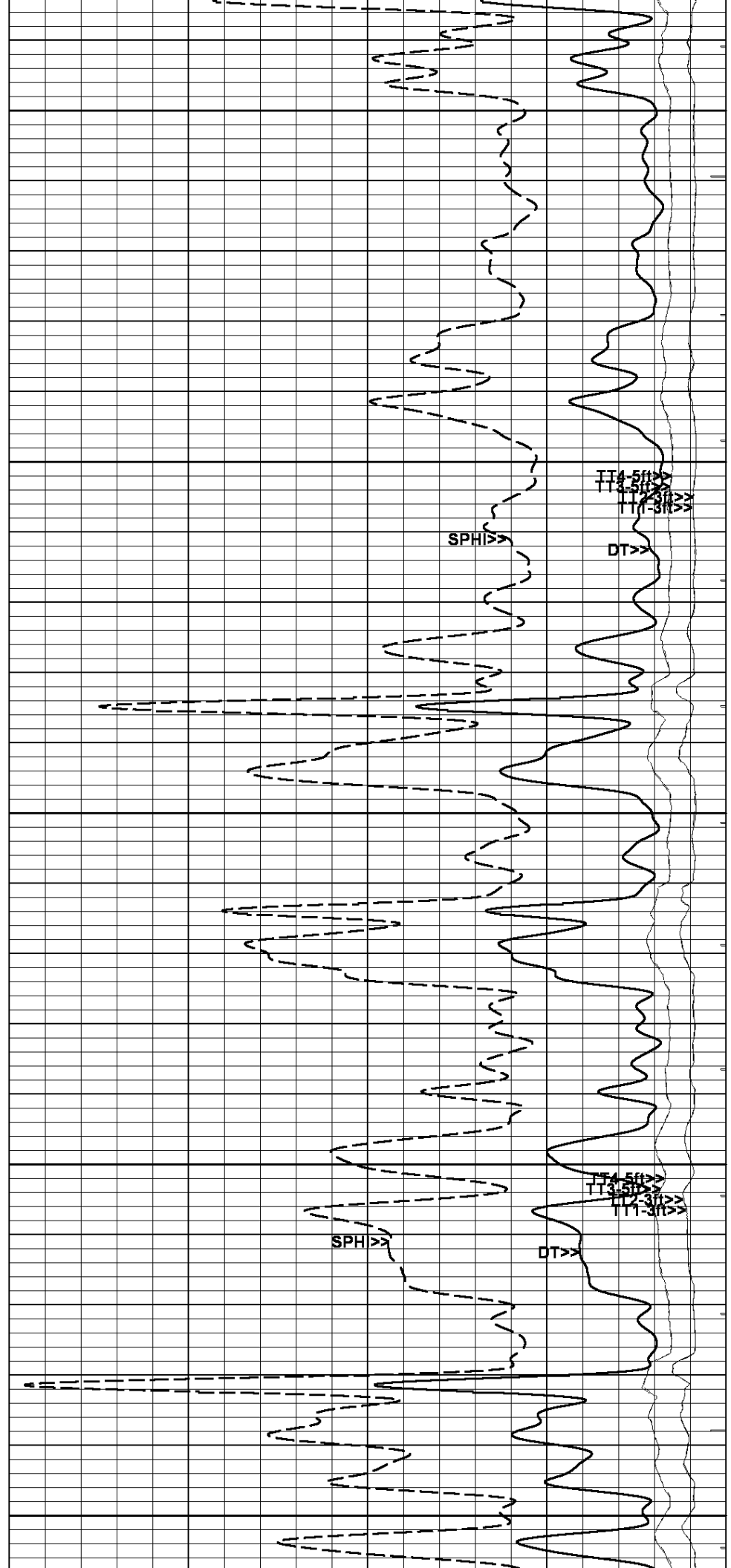
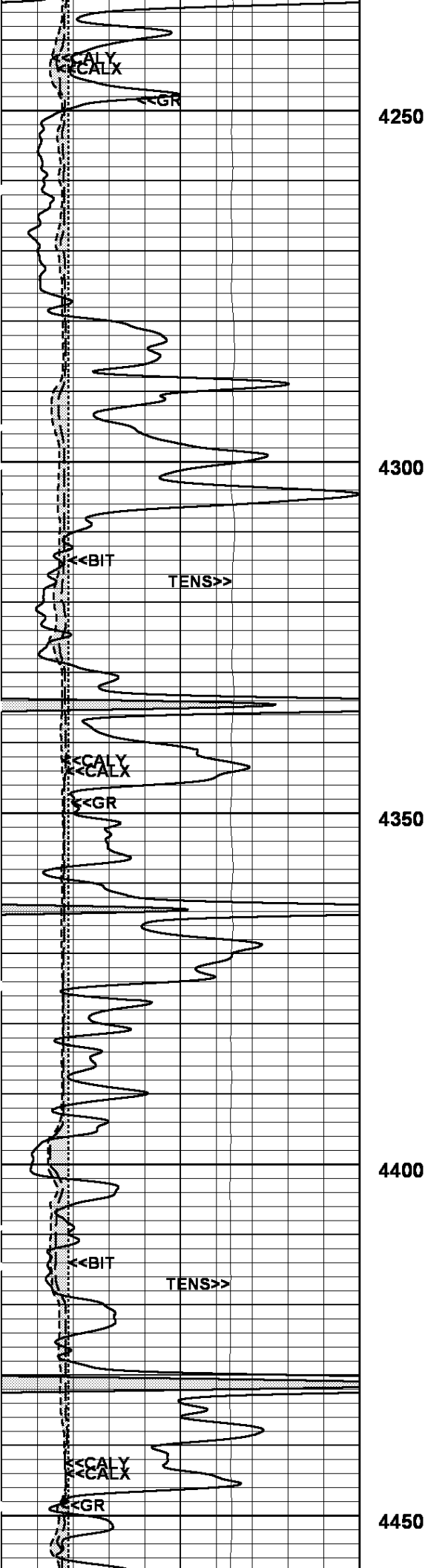
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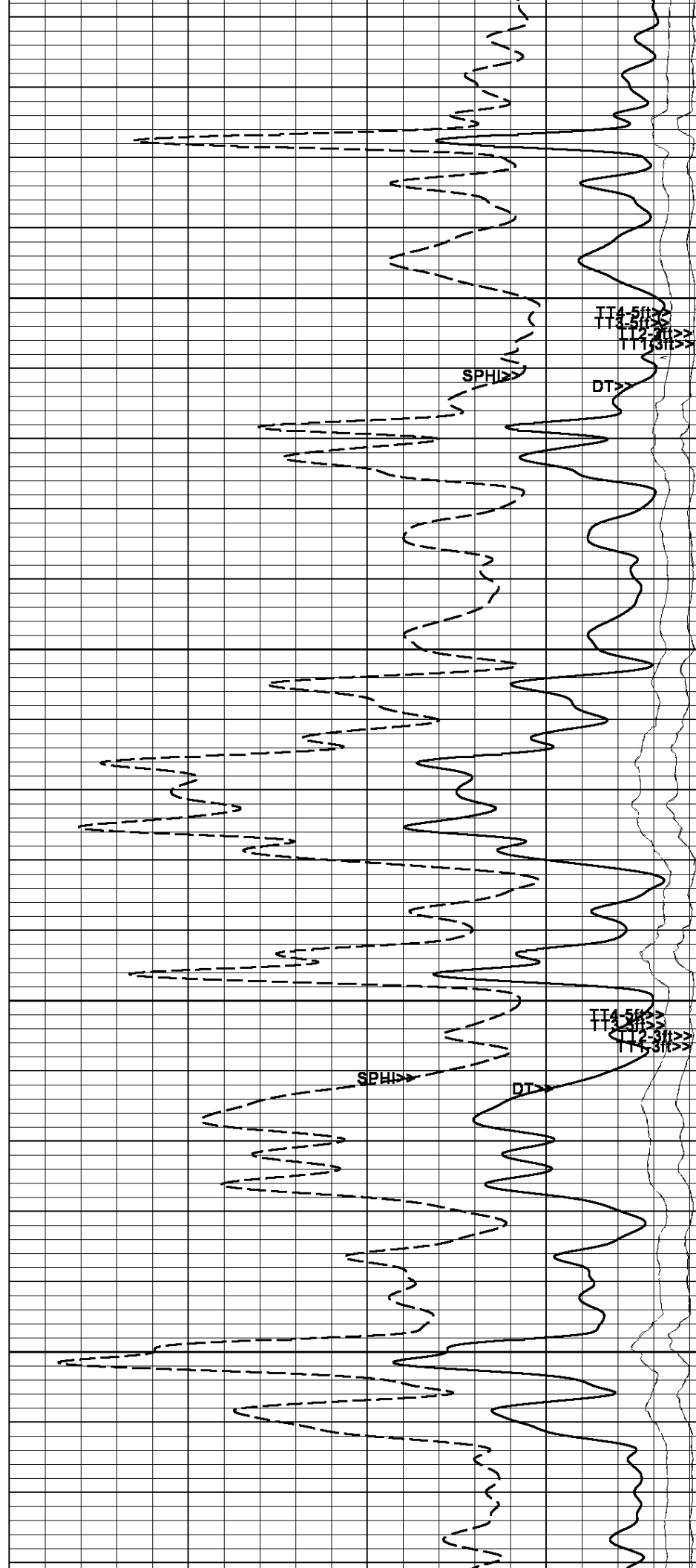
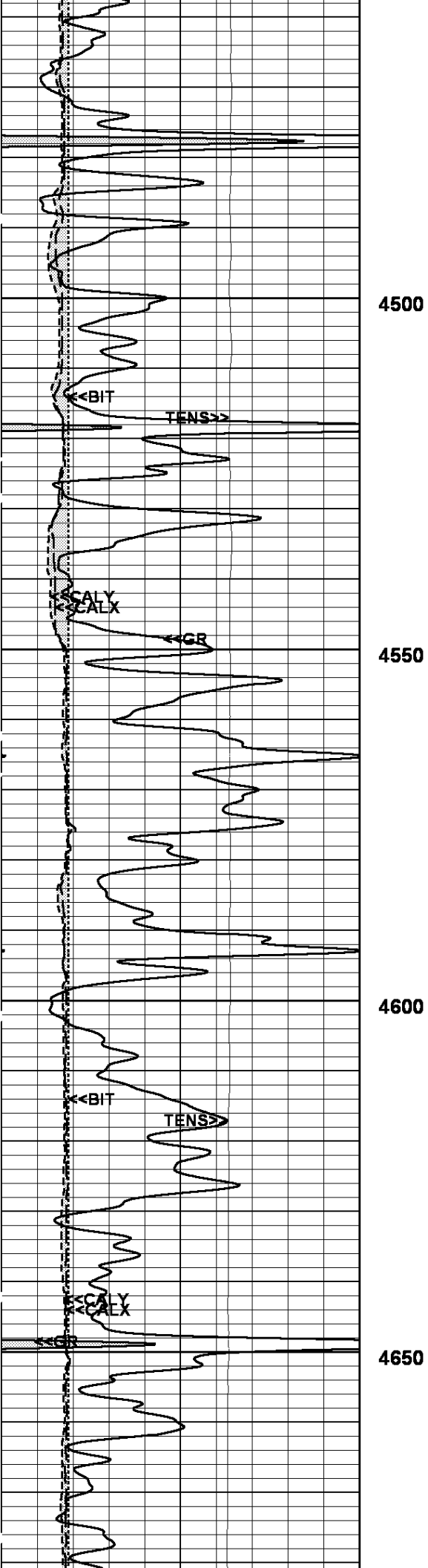
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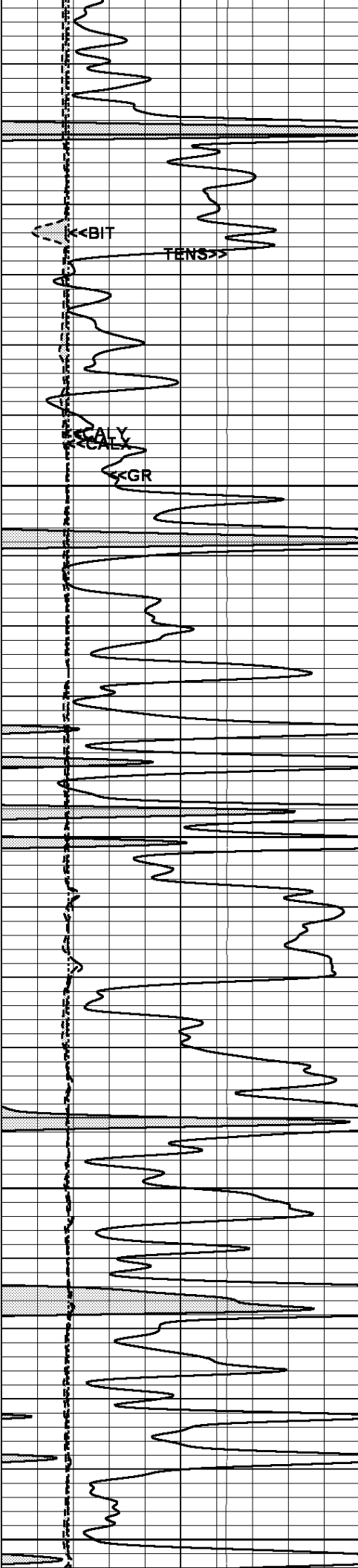
4200



TT4.5H>>  
TT3.5H>>  
TT1.3H>>







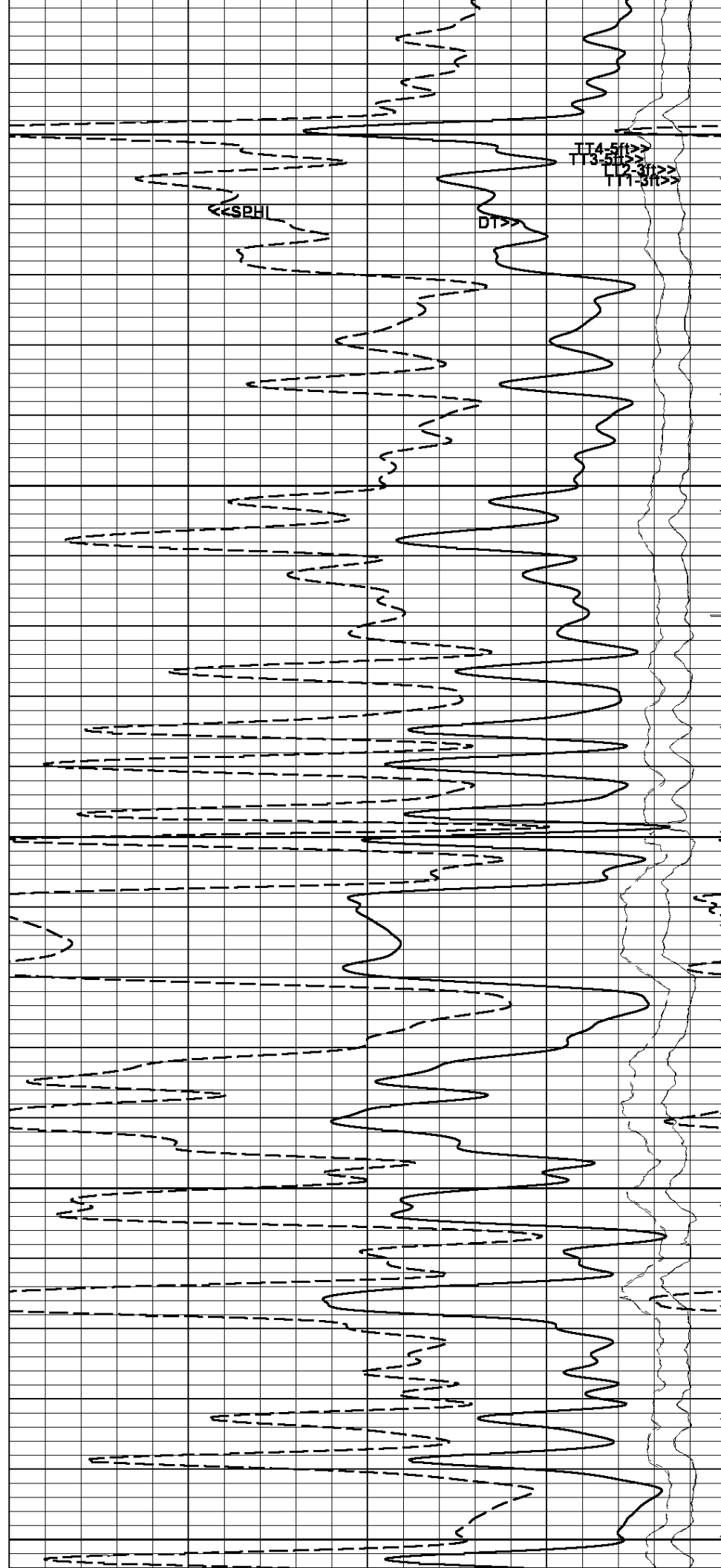
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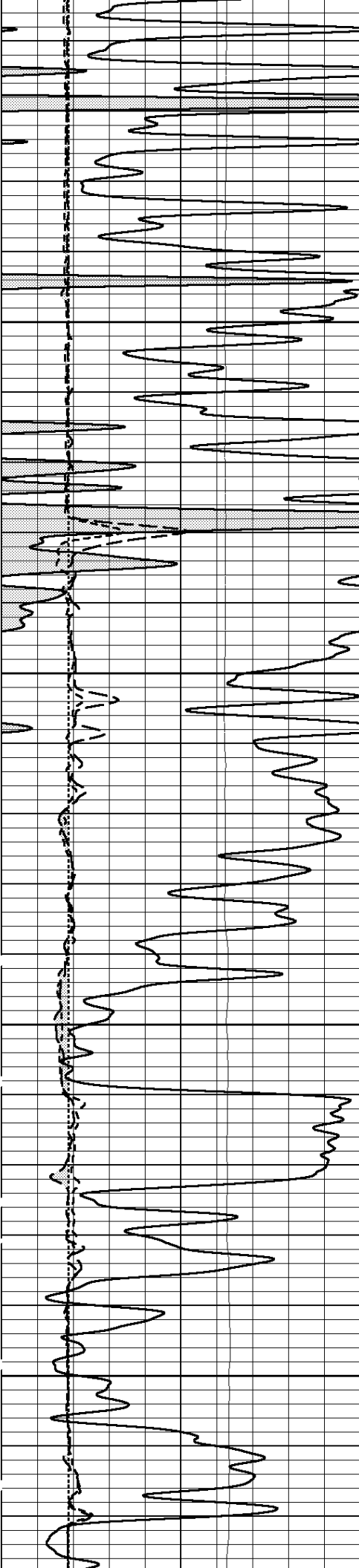
4750

4800

4850

4900



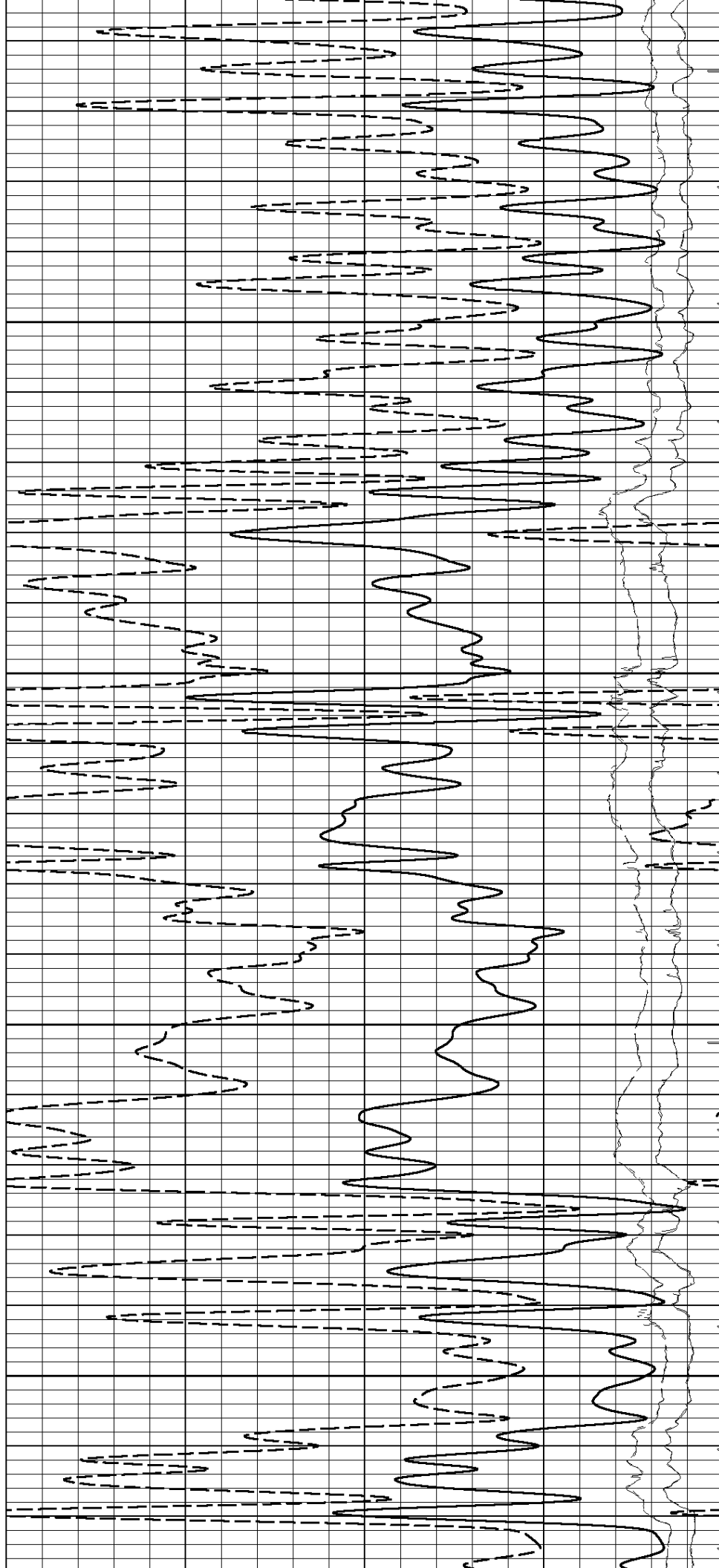


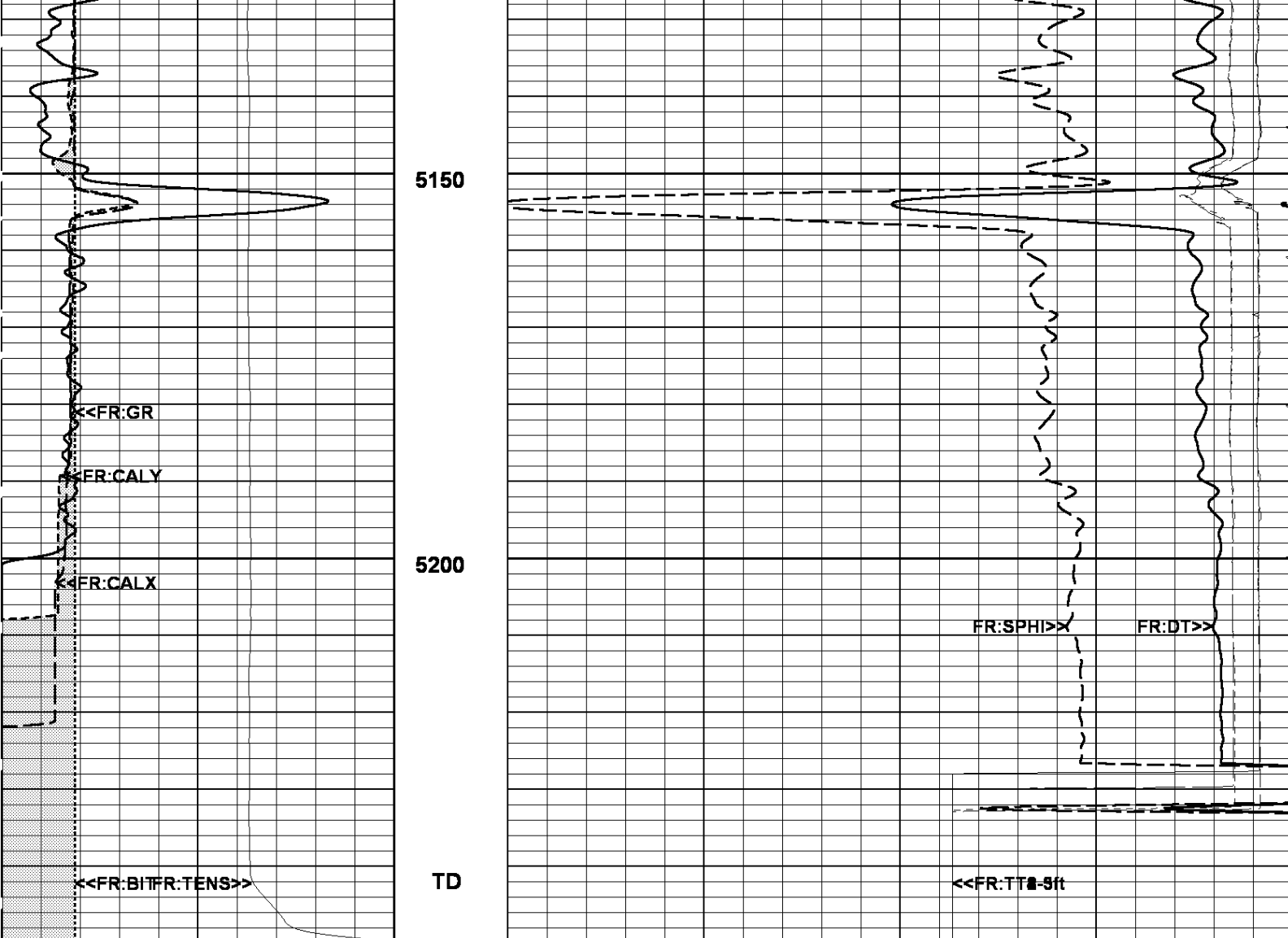
4950

5000

5050

5100





|                  |        |                       |      |
|------------------|--------|-----------------------|------|
| Gamma Ray (GR)   |        | Delta T (DT)          |      |
| 0.               | API    | 140.                  | 40.  |
| X-Caliper (CALX) |        | Sonic-Porosity (SPHI) |      |
| 6.               | in     | 30.                   | -10. |
| Y-Caliper (CALY) |        | TT (TT1-3ft)          |      |
| 6.               | in     | 1500.                 | 0.   |
| Tension (TENS)   |        | TT (TT2-3ft)          |      |
| 10000.           | Lbs    | 1500.                 | 0.   |
| Bit Size (BIT)   |        | TT (TT3-5ft)          |      |
| 6.               | Ref in | 1500.                 | 0.   |
|                  |        | TT (TT4-5ft)          |      |
|                  |        | 1500.                 | 0.   |

12/07/2014  
20:50:55 => Start Time

**MAIN PASS - LIMESTONE (5"/100ft)**

Log UP - (VER 11.10)  
Start Depth=> 5249.90 Feet

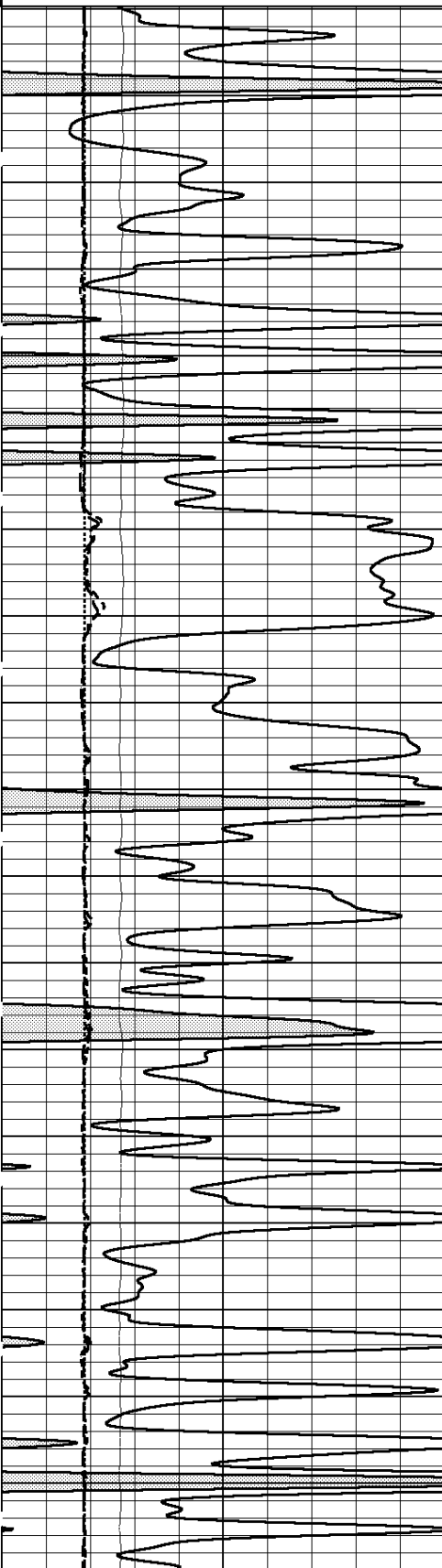
12/08/2014  
11:26:44 => End Time

**REPEAT PASS - LIMESTONE -LOWER SECTION (5"/100ft)**

Log UP - (VER 11.10)  
End Depth=> 4749.90 Feet

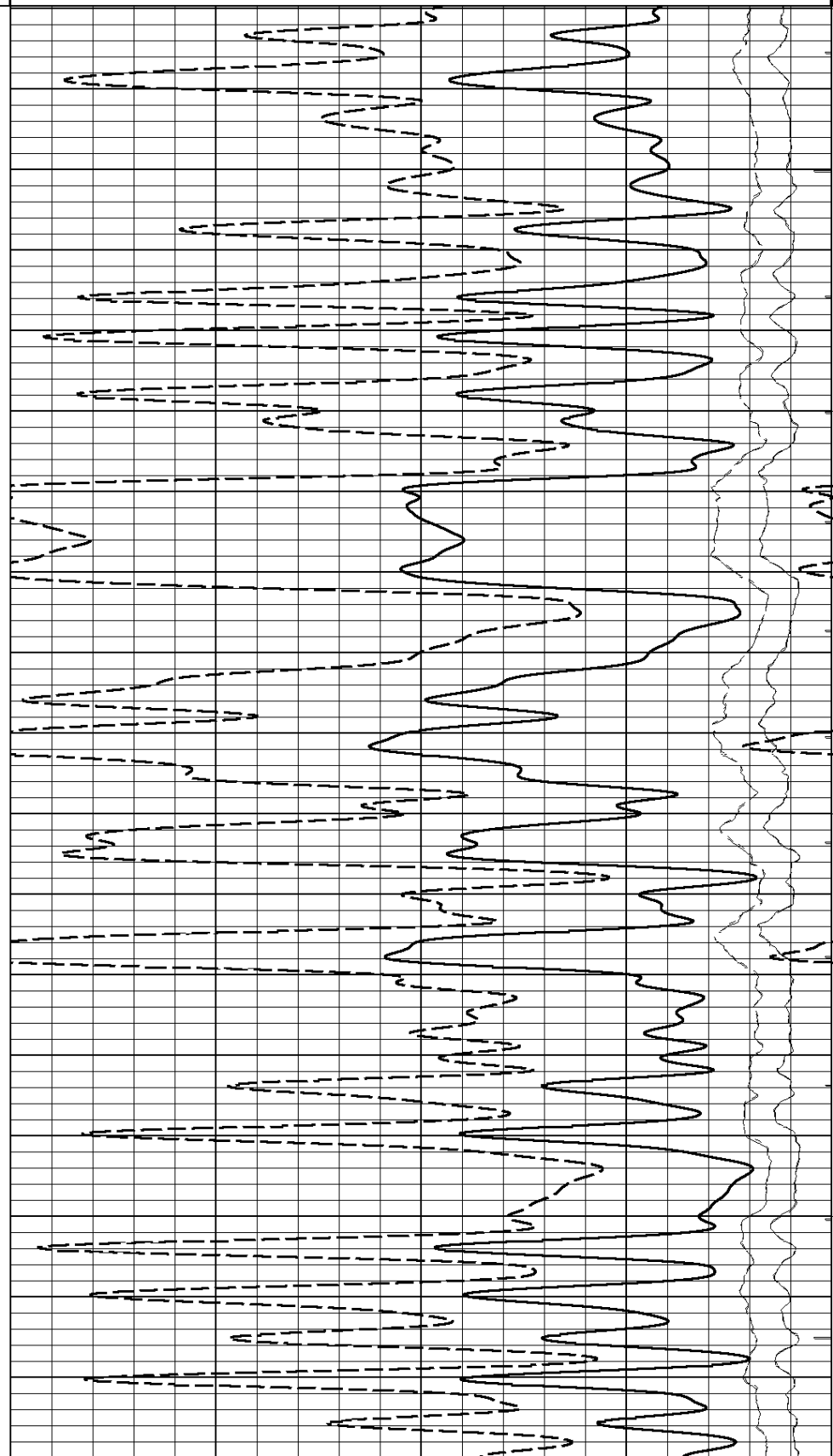
|  |  |              |    |
|--|--|--------------|----|
|  |  | TT (TT4-5ft) |    |
|  |  | 1500.        | 0. |

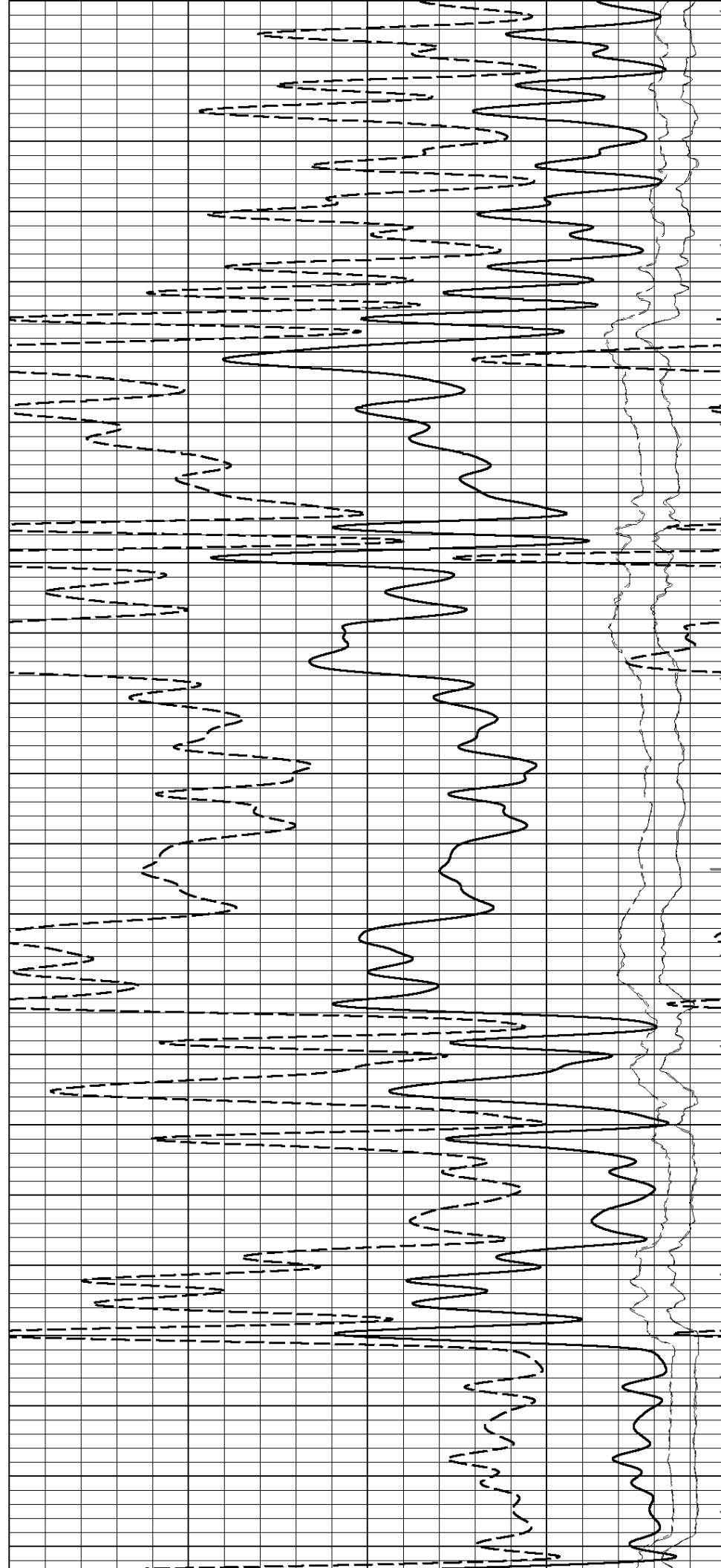
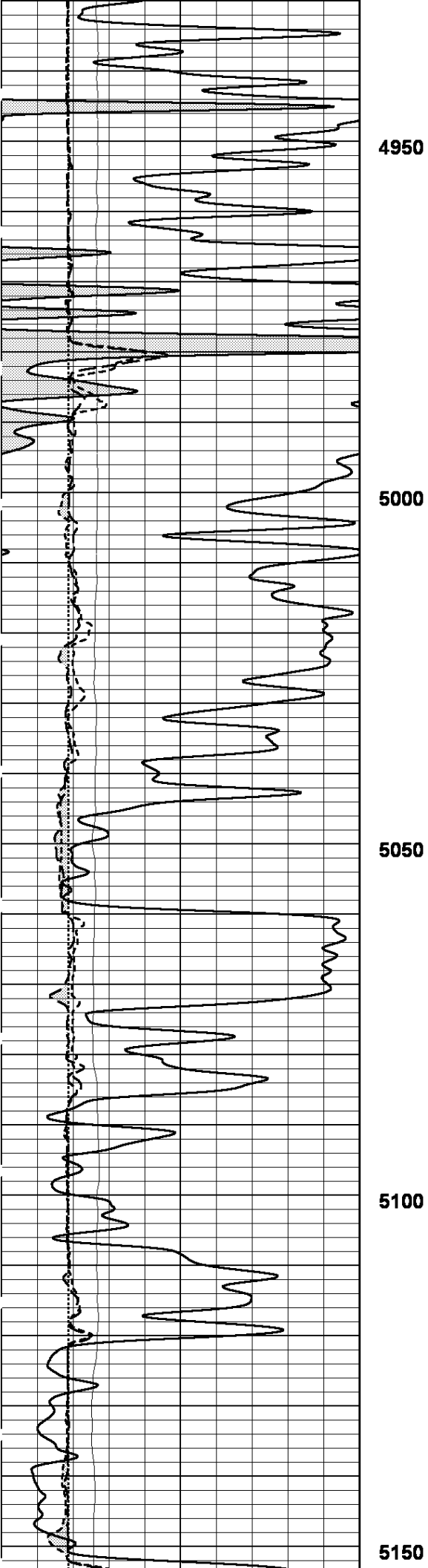
|                  |        |      |
|------------------|--------|------|
| Bit Size (BIT)   |        |      |
| 6.               | Ref in | 16.  |
| Tension (TENS)   |        |      |
| 5000.            | Lbs    | 0.   |
| Y-Caliper (CALY) |        |      |
| 6.               | in     | 16.  |
| X-Caliper (CALX) |        |      |
| 6.               | in     | 16.  |
| Gamma Ray (GR)   |        |      |
| 0.               | API    | 150. |

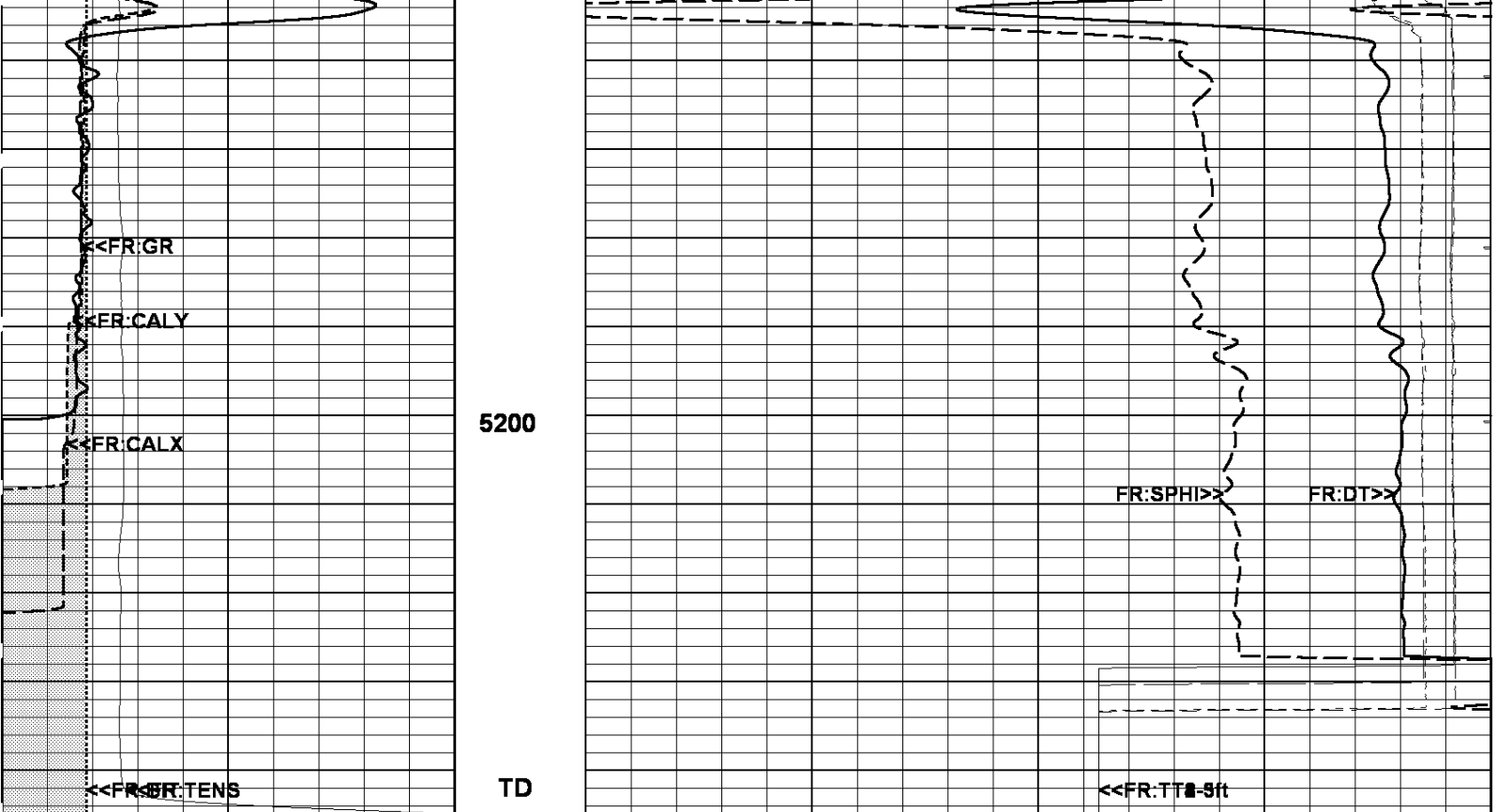


|               |       |    |
|---------------|-------|----|
| TT (TT13-5ft) |       |    |
| 1500.         | usecs | 0. |
| TT (TT2-3ft)  |       |    |
| 1500.         | usecs | 0. |
| TT (TT1-3ft)  |       |    |
| 1500.         | usecs | 0. |

|                       |          |      |
|-----------------------|----------|------|
| Sonic-Porosity (SPHI) |          |      |
| 30.                   | Percent  | -10. |
| Delta T (DT)          |          |      |
| 140.                  | usecs/ft | 40.  |







| Gamma Ray (GR)   |        |      | Delta T (DT)          |          |      |
|------------------|--------|------|-----------------------|----------|------|
| 0.               | API    | 150. | 140.                  | usecs/ft | 40.  |
| X-Caliper (CALX) |        |      | Sonic-Porosity (SPHI) |          |      |
| 6.               | in     | 16.  | 30.                   | Percent  | -10. |
| Y-Caliper (CALY) |        |      | TT (TT1-3ft)          |          |      |
| 6.               | in     | 16.  | 1500.                 | usecs    | 0.   |
| Tension (TENS)   |        |      | TT (TT2-3ft)          |          |      |
| 5000.            | Lbs    | 0.   | 1500.                 | usecs    | 0.   |
| Bit Size (BIT)   |        |      | TT (TT3-5ft)          |          |      |
| 6.               | Ref in | 16.  | 1500.                 | usecs    | 0.   |
|                  |        |      | TT (TT4-5ft)          |          |      |
|                  |        |      | 1500.                 | usecs    | 0.   |

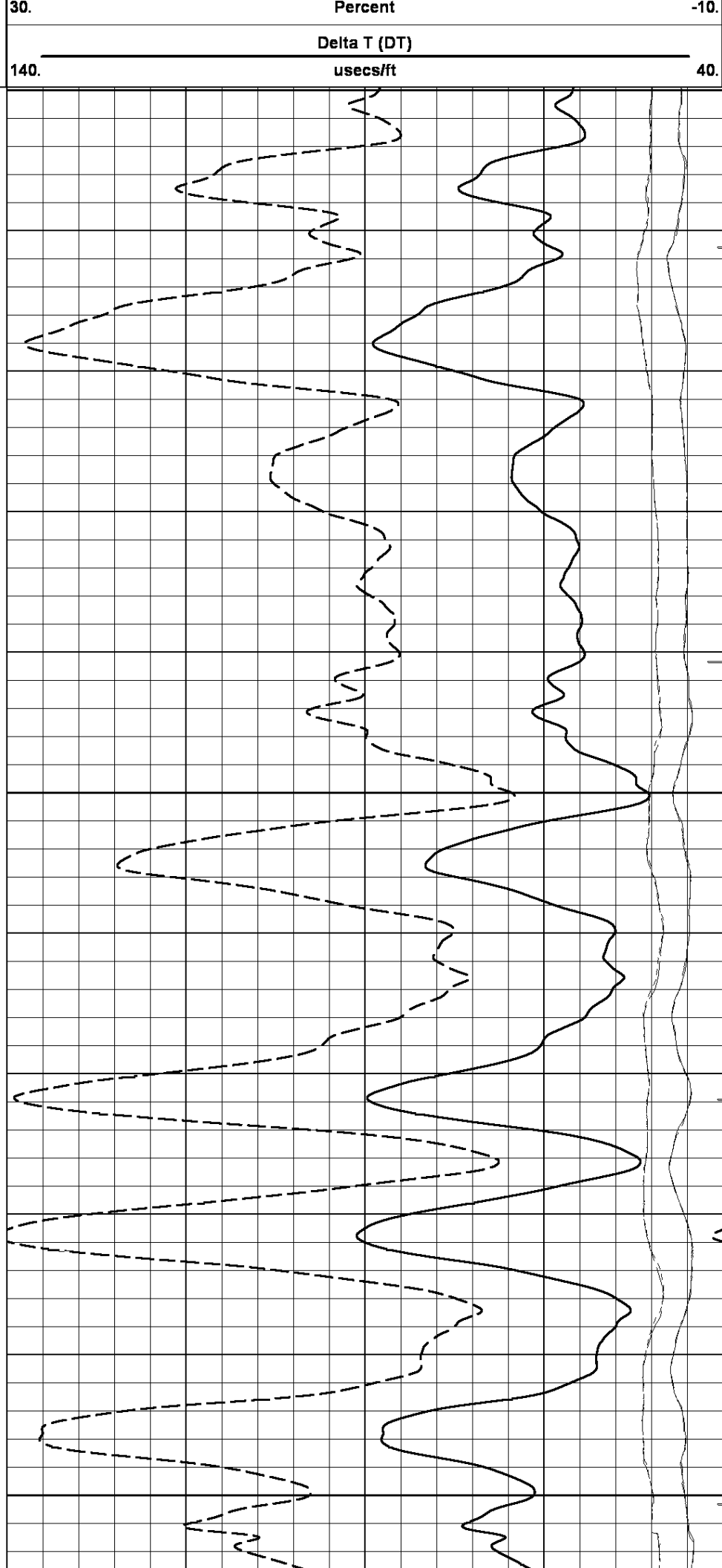
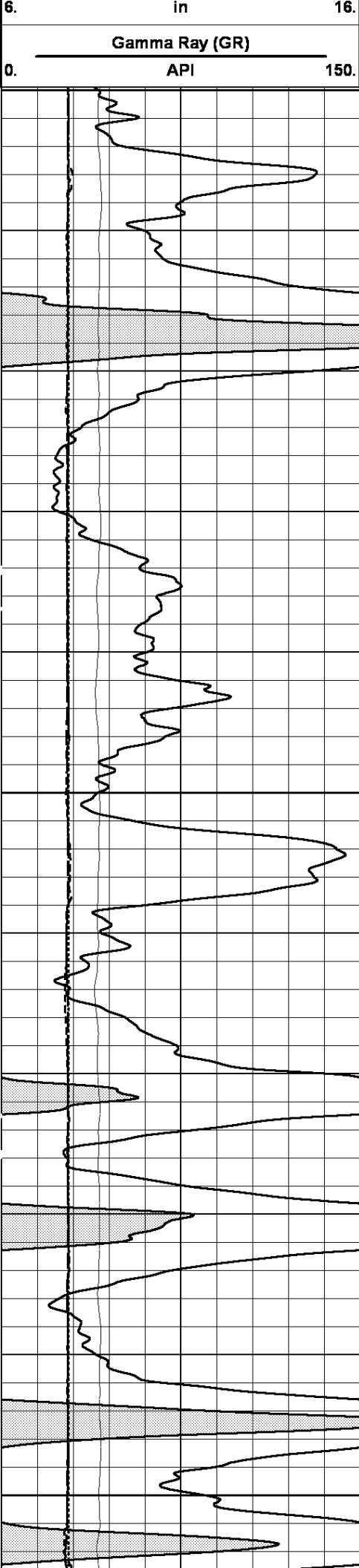
12/08/2014  
11:29:15 => Start Time

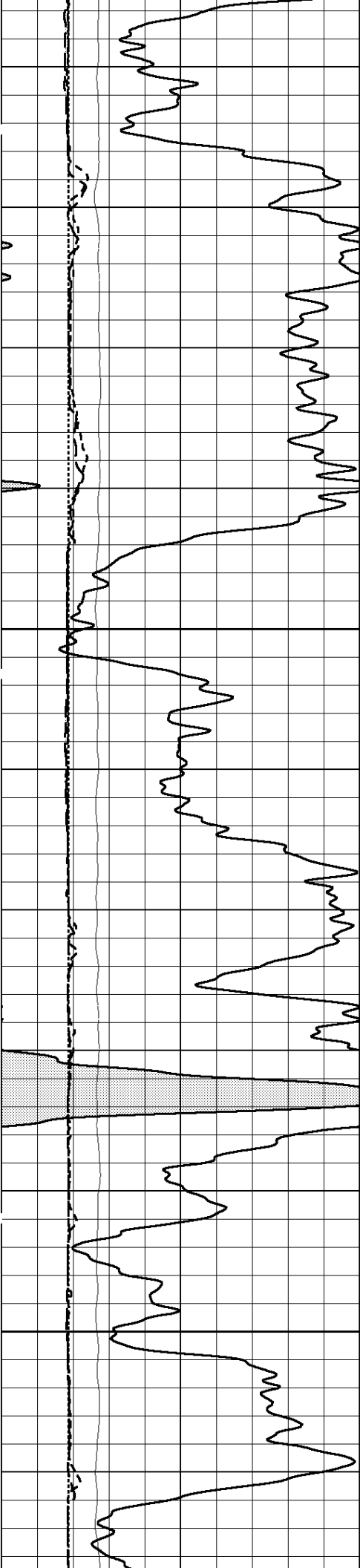
**REPEAT PASS - LIMESTONE -LOWER SECTION (5"/100ft)** Log UP - (VER 11.10)  
Start Depth=> 5244.90 Feet

12/08/2014  
11:26:44 => End Time

**HIGH DEFINITION PASS - LIMESTONE (20"/100ft)** Log UP - (VER 11.10)  
End Depth=> 4749.95 Feet

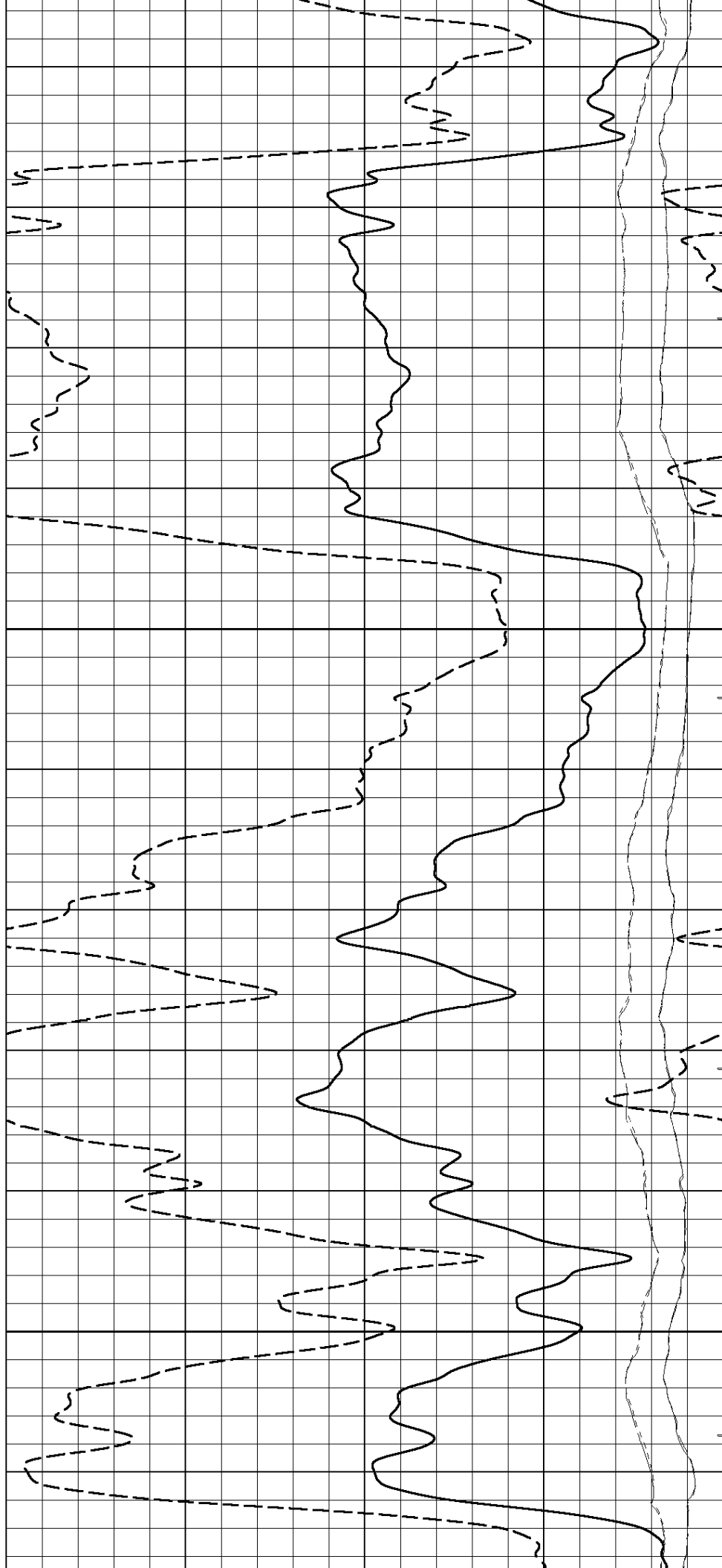
| Bit Size (BIT)   |        |     | TT (TT4-5ft)          |       |    |
|------------------|--------|-----|-----------------------|-------|----|
| 6.               | Ref in | 16. | 1500.                 | usecs | 0. |
| Tension (TENS)   |        |     | TT (TT3-5ft)          |       |    |
| 5000.            | Lbs    | 0.  | 1500.                 | usecs | 0. |
| Y-Caliper (CALY) |        |     | TT (TT2-3ft)          |       |    |
| 6.               | in     | 16. | 1500.                 | usecs | 0. |
| X-Caliper (CALX) |        |     | TT (TT1-3ft)          |       |    |
|                  |        |     | 1500.                 | usecs | 0. |
|                  |        |     | Sonic-Porosity (SPHI) |       |    |
|                  |        |     |                       |       |    |

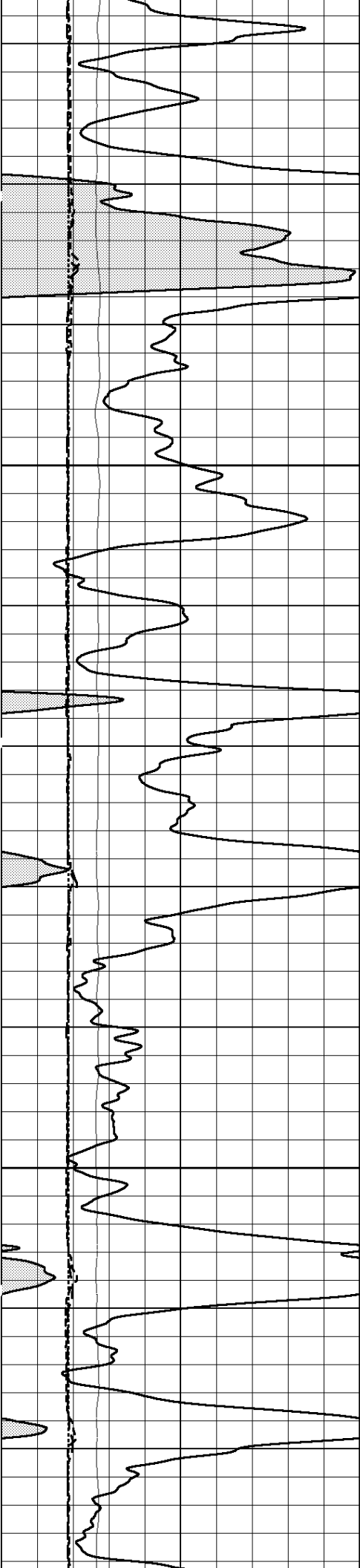




4825

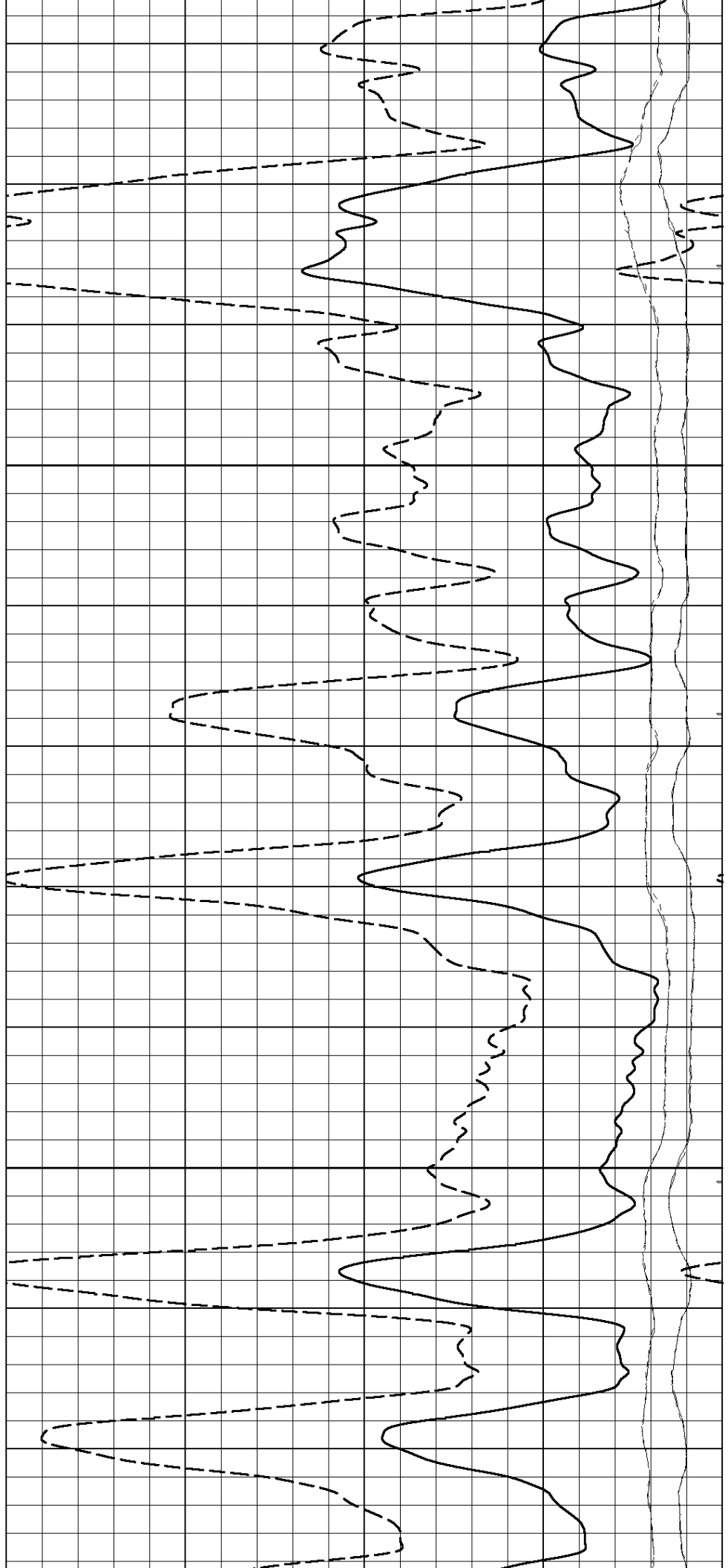
4850

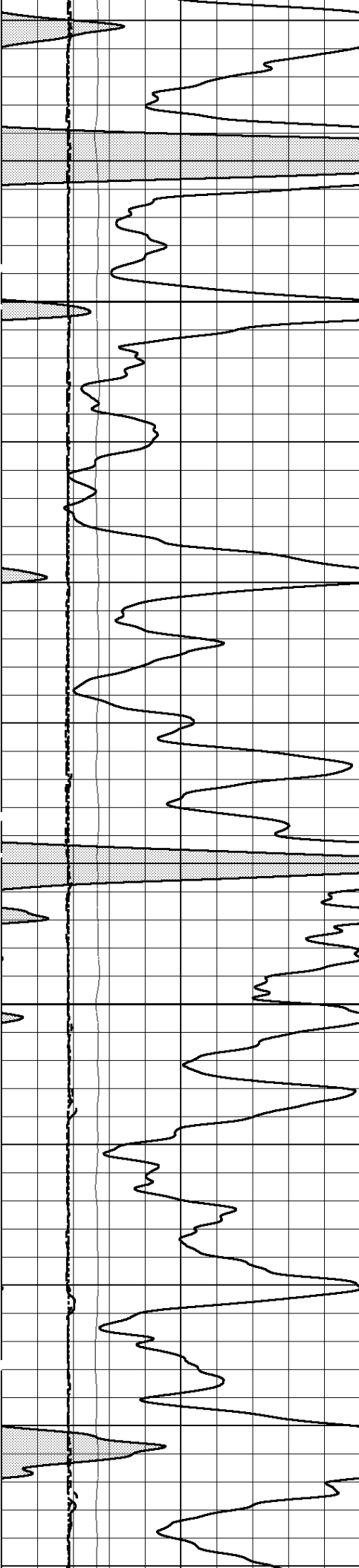




4875

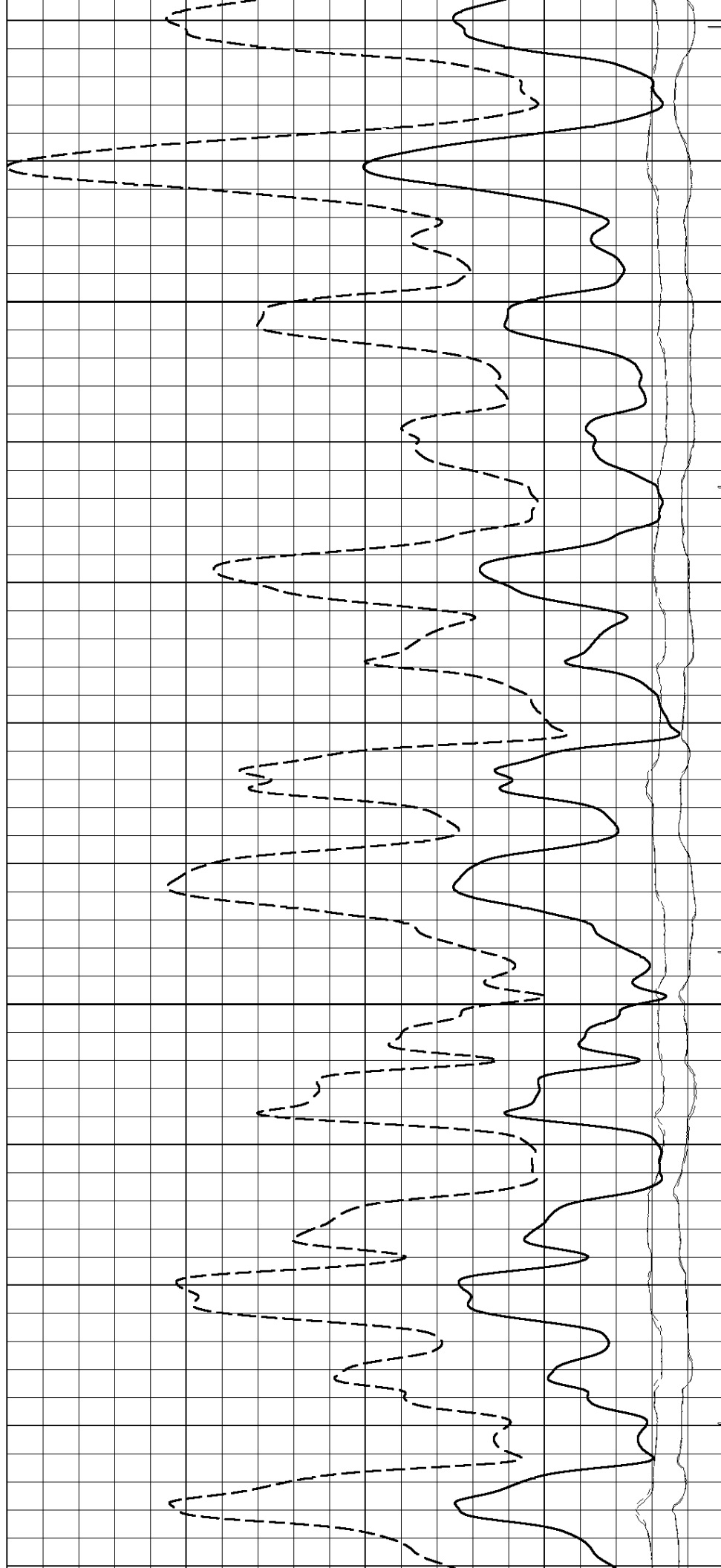
4900

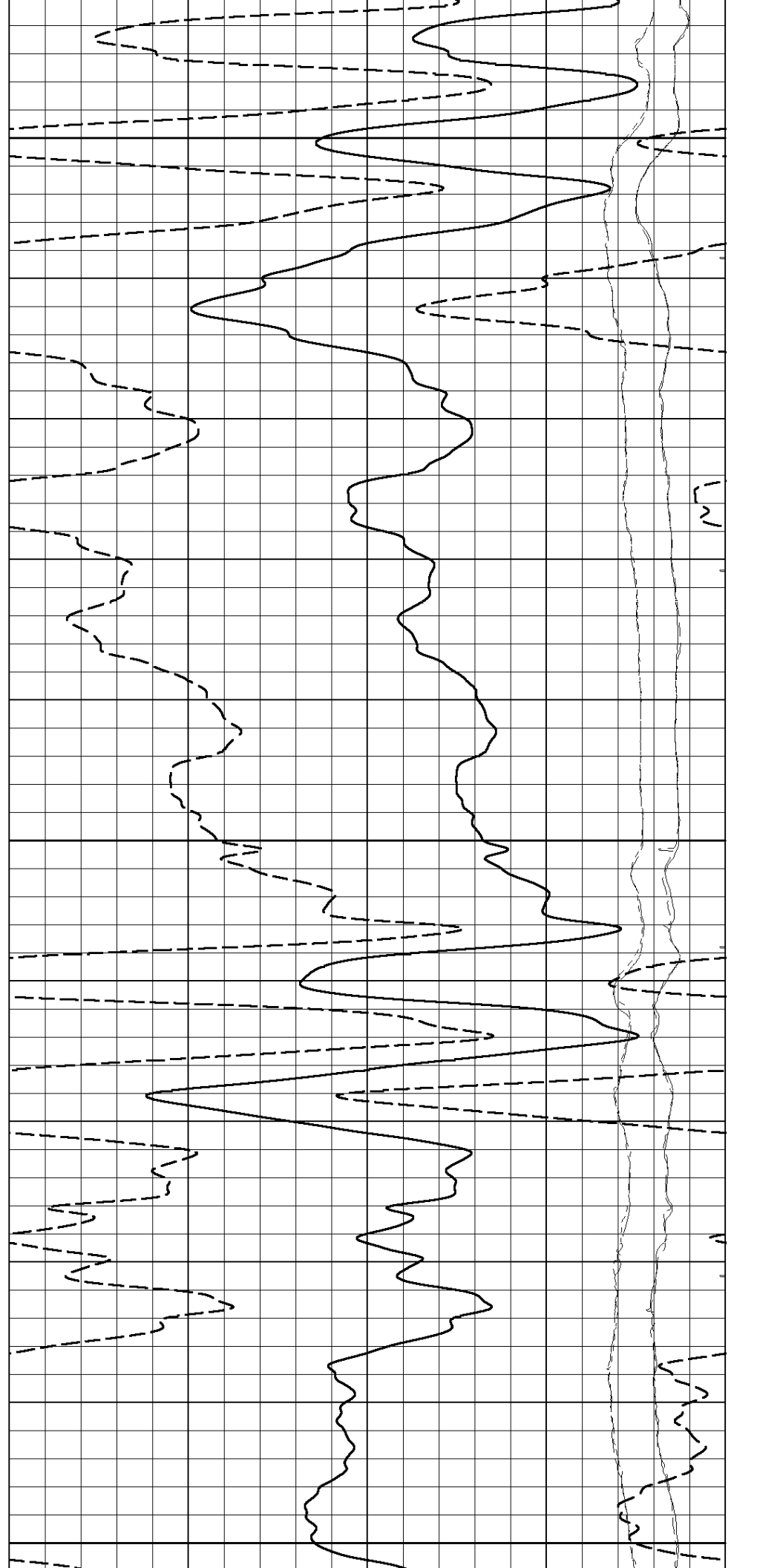
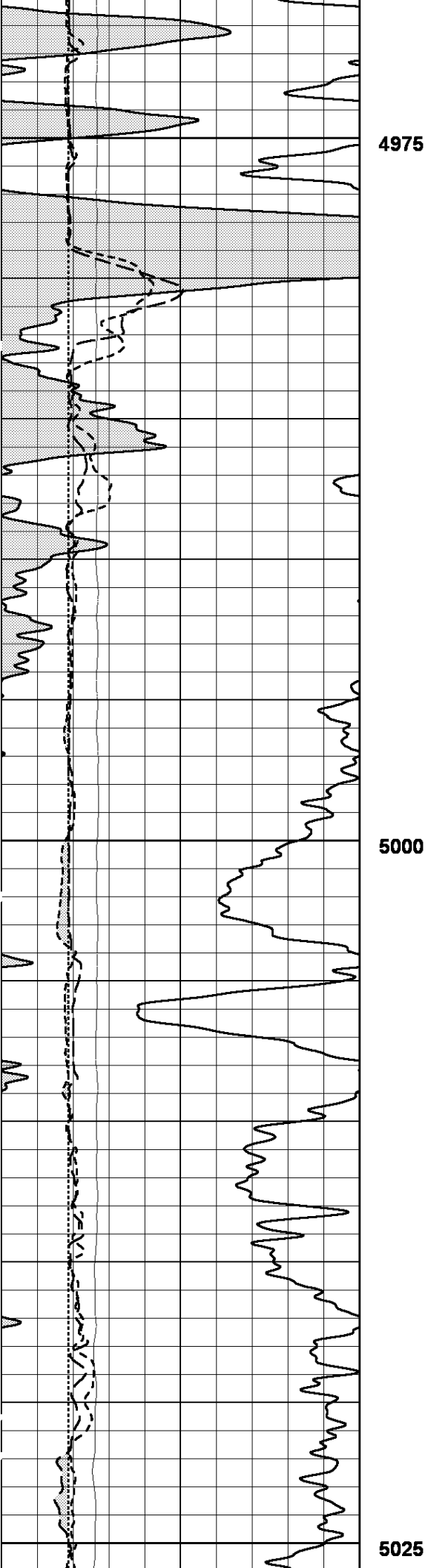


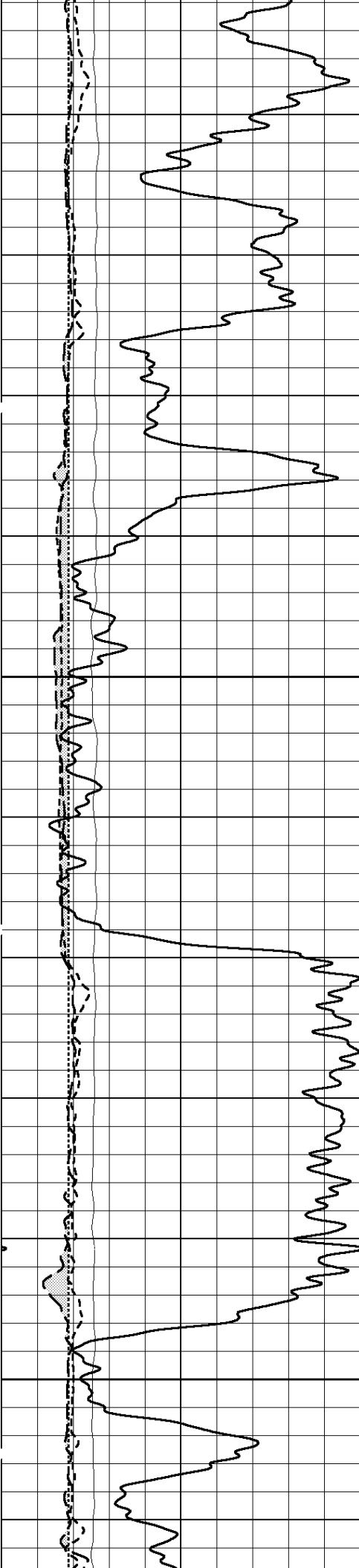


4925

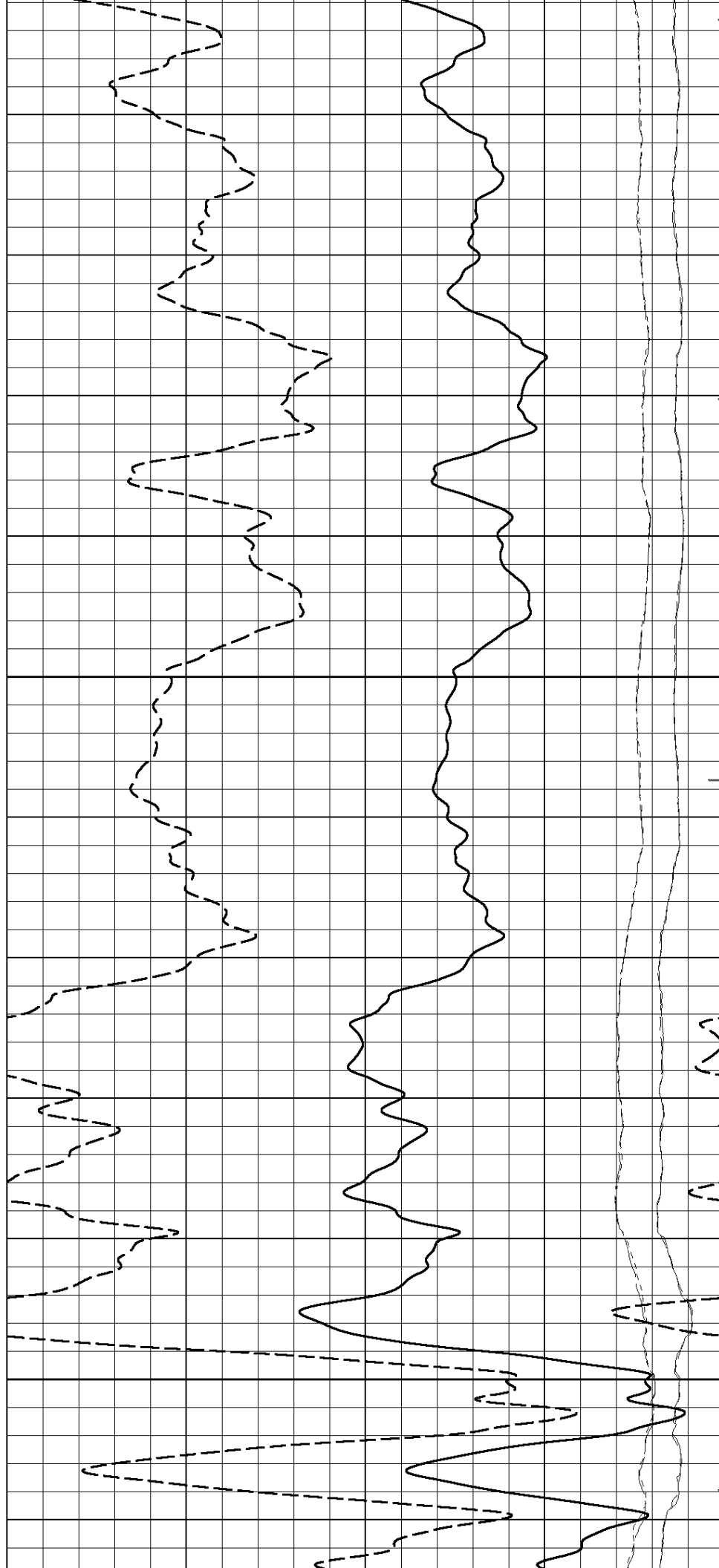
4950



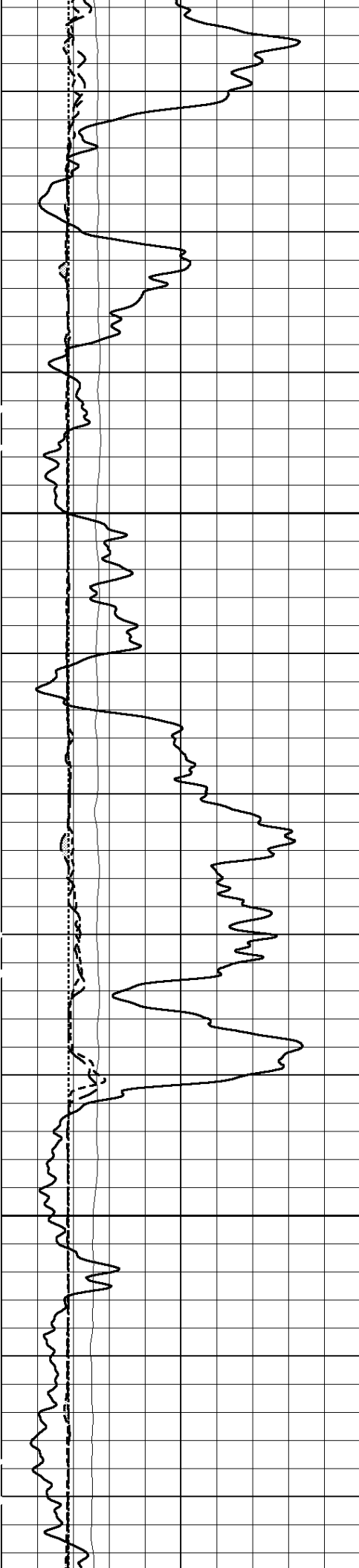




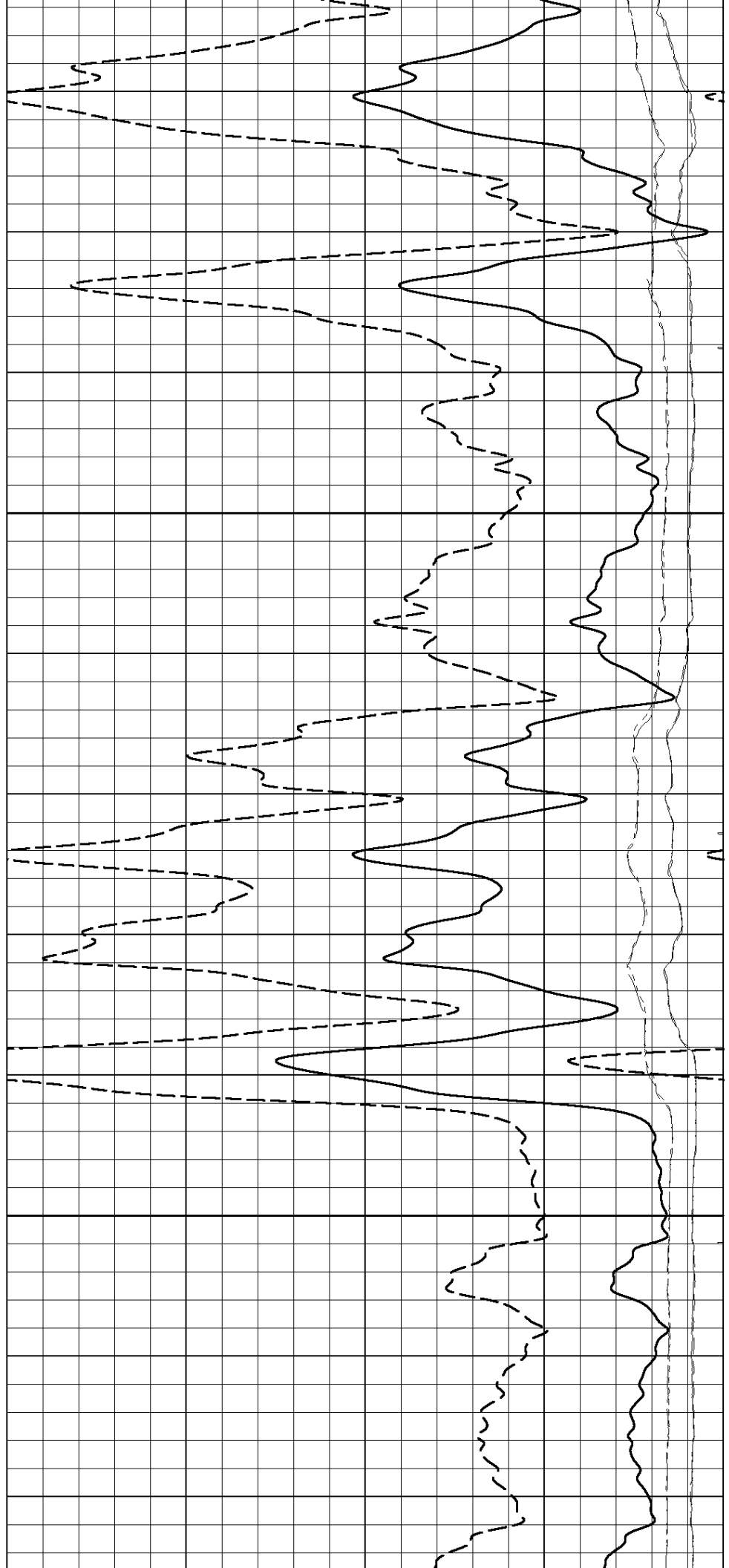
5050



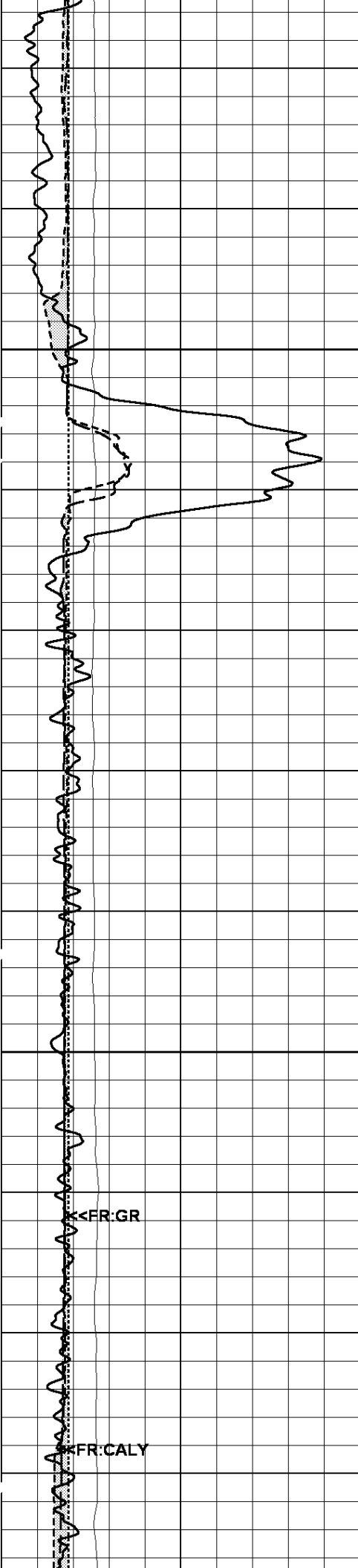
5075



5100

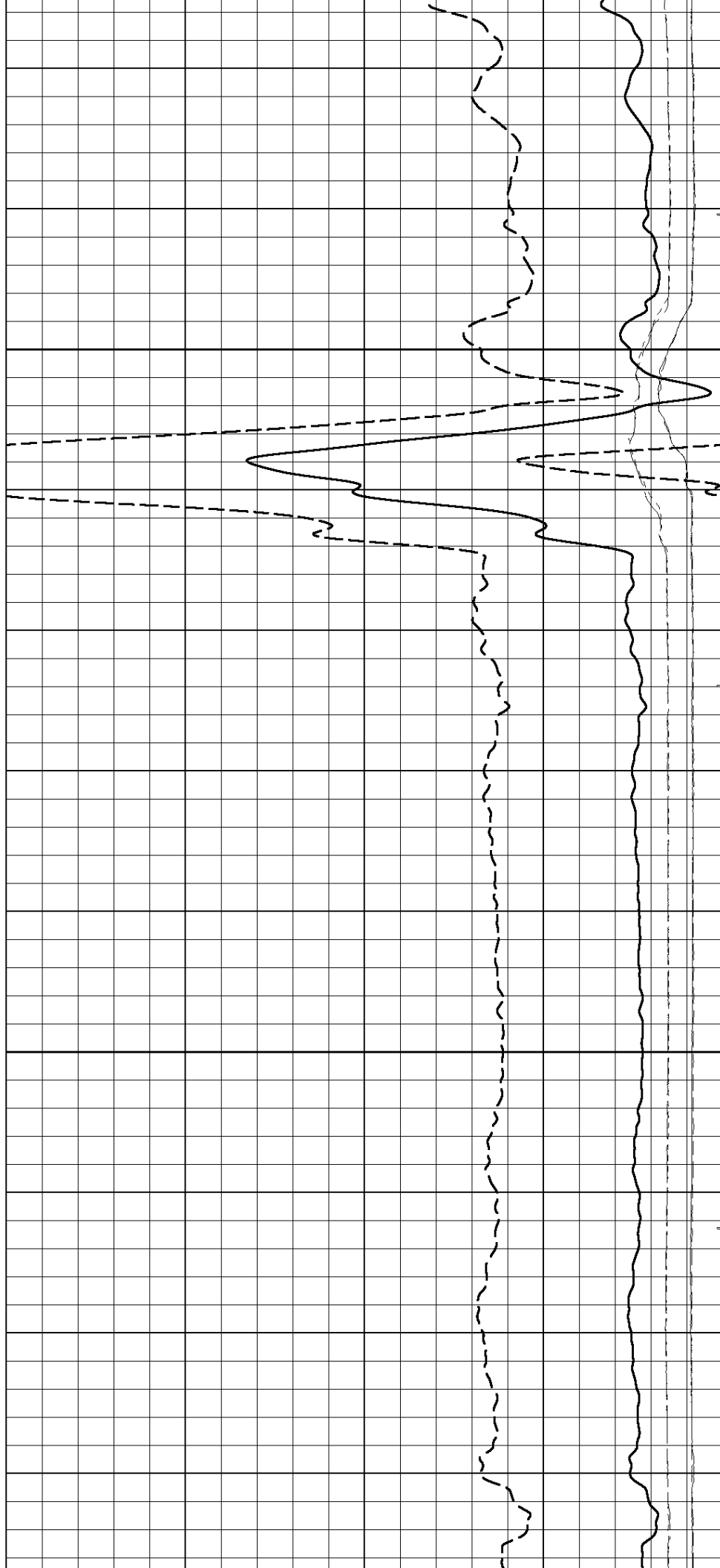


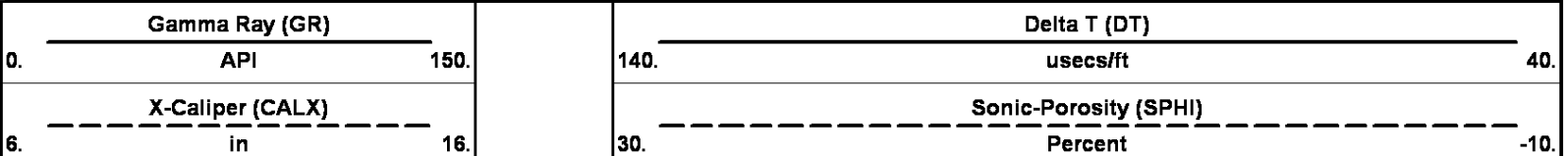
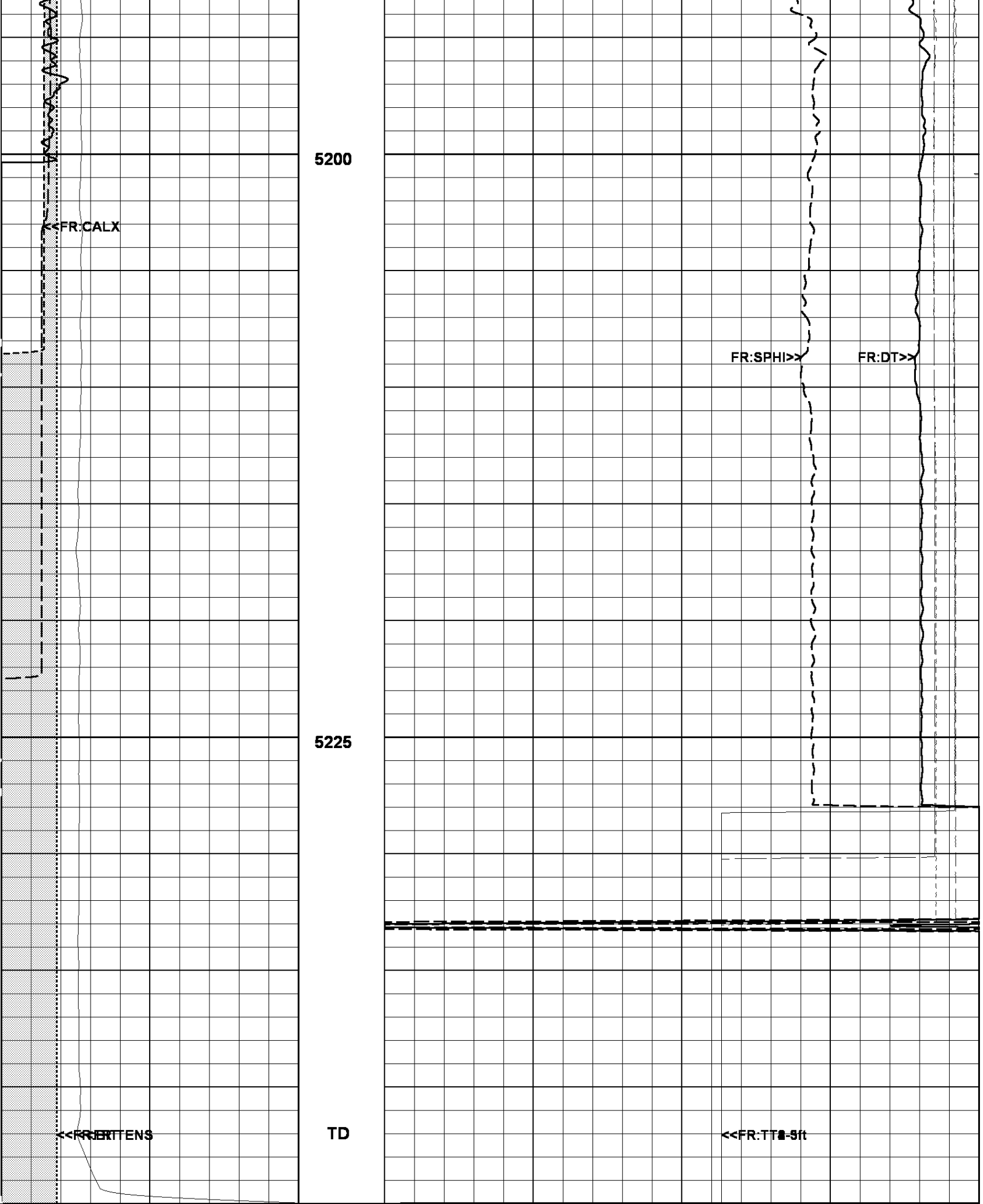
5125



5150

5175





|                                                              |  |                                                             |  |
|--------------------------------------------------------------|--|-------------------------------------------------------------|--|
| <div>Y-Caliper (CALY)<div>6. <div>in</div> 16.</div></div>   |  | <div>TT (TT1-3ft)<div>1500. <div>usecs</div> 0.</div></div> |  |
| <div>Tension (TENS)<div>5000. <div>Lbs</div> 0.</div></div>  |  | <div>TT (TT2-3ft)<div>1500. <div>usecs</div> 0.</div></div> |  |
| <div>Bit Size (BIT)<div>6. <div>Ref in</div> 16.</div></div> |  | <div>TT (TT3-5ft)<div>1500. <div>usecs</div> 0.</div></div> |  |
|                                                              |  | <div>TT (TT4-5ft)<div>1500. <div>usecs</div> 0.</div></div> |  |

12/08/2014  
11:29:15 => Start Time

HIGH DEFINITION PASS - LIMESTONE (20"/100Ft)

Log UP - (VER 11.10)  
Start Depth=> 5244.98 Feet

GAMMA RAY CALIBRATION

|             |        |
|-------------|--------|
| SERIAL NUM  | RG3006 |
| BLANKET NUM | 1A     |

MASTER CALIBRATIONS

|           | BackGrnd      | CalVal: 159.000 API | Gain/Offset                 | CALIBRATION DATE | CALIBRATION TIME |
|-----------|---------------|---------------------|-----------------------------|------------------|------------------|
| BASE CALS | 118.034 - raw | 636.485 - raw       | 0.307 - gain<br>0.000 - off | M/D/Y> 12/4/2014 | H:M:S> 12:34:14  |

WELL SITE CALIBRATIONS

|         | BackGrnd     | CalVal: 100.000 Mknu | Gain/Offset  | CALIBRATION DATE  | CALIBRATION TIME |
|---------|--------------|----------------------|--------------|-------------------|------------------|
| PRE CAL | -0.059 - raw | 26.967 - raw         | 3.700 - gain | M/D/Y> 11/12/2004 | H:M:S> 12:40:27  |

X CALIPER

|            |        |
|------------|--------|
| SERIAL NUM | RL4101 |
|            |        |

MASTER CALIBRATIONS

|           | ZeroVal: 6.000 In | CalVal: 10.000 In | Gain/Offset                 | CALIBRATION DATE  | CALIBRATION TIME |
|-----------|-------------------|-------------------|-----------------------------|-------------------|------------------|
| BASE CALS | 2759.988 - raw    | 4867.911 - raw    | 0.002 - gain<br>0.763 - off | M/D/Y> 11/26/2014 | H:M:S> 13:32:35  |

Y CALIPER CALIBRATIONS

|            |        |
|------------|--------|
| SERIAL NUM | RN2007 |
|            |        |

MASTER CALIBRATIONS

|           | ZeroVal: 6.000 in | CalVal: 10.000 in | Gain/Offset                 | CALIBRATION DATE | CALIBRATION TIME |
|-----------|-------------------|-------------------|-----------------------------|------------------|------------------|
| BASE CALS | 772.211 - raw     | 1474.102 - raw    | 0.006 - gain<br>1.599 - off | M/D/Y> 12/3/2014 | H:M:S> 15:58:17  |

|         |                   |
|---------|-------------------|
| Company | BANKS RESOURCES   |
| Well    | SUNRAY FARMS #1-9 |
| Field   | WILDCAT           |
| County  | GREELEY           |

County

GREENE

State

KANSAS

***RECON***

BHC SONIC  
GAMMA RAY  
X-Y CALIPER

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