



PIONEER

**Radial Bond & V.D.L.,
Gamma-Ray & C.C.L. Log**

Pioneer Wireline Services

Company Anadarko Petroleum Corporation

Well Dreiling 27N-32HZ
Field Wattenberg
County Weld State Colorado

Company **Anadarko Petroleum Corporation**
Well **Dreiling 27N-32HZ**
Field **Wattenberg**
County **Weld** State **Colorado**

Location: API # : 05123384050000 Other Services
687' FSL & 310' FEL
SEC 32 TWP 2N RGE 65W
Permanent Datum GL Elevation 4924'
Log Measured From KB
Drilling Measured From KB Elevation 4937'
D.F. 4938'
G.L. 4924'

| | | | |
|---------------------------|--------------------|------|---------|
| Date of Service | 2-5-14 | | |
| Run Number | ONE | | |
| Depth Driller or PBTD | 7644' | | |
| Depth Logger | 6797' | | |
| Bottom Log Interval | 6797' | | |
| Top Log Interval | SURFACE | | |
| Open Hole Size | 8.75" | | |
| Type Fluid | WATER | | |
| Fluid Level | SURFACE | | |
| Fluid Density | NA | | |
| Max. Recorded Temperature | 220 | | |
| Max. Wellhead Pressure | 2300# | | |
| Wellhead Connection | 10K 7/16 Flange | | |
| Estimated Cement Top | 908' | | |
| Unit Number | 9605 | | |
| Wireline Size | 9/32 | | |
| Location | Fort Morgan | | |
| Recorded By | John Hollis | | |
| Witnessed By | Mr. Trevor Daniels | | |
| | Size | WMFt | Top |
| Tubing Record | | | Bottom |
| Surface Casing | | | |
| Production Casing | 7" | 26# | Surface |
| Liner Record | | | 7835' |

<<< Fold Here >>>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services will not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Pioneer Wireline Services's general terms and conditions set out in our current Price Schedule.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
S.O.# 2-204564

Corrected to liner top

WCR 14 & WCR 41, North .2, West into

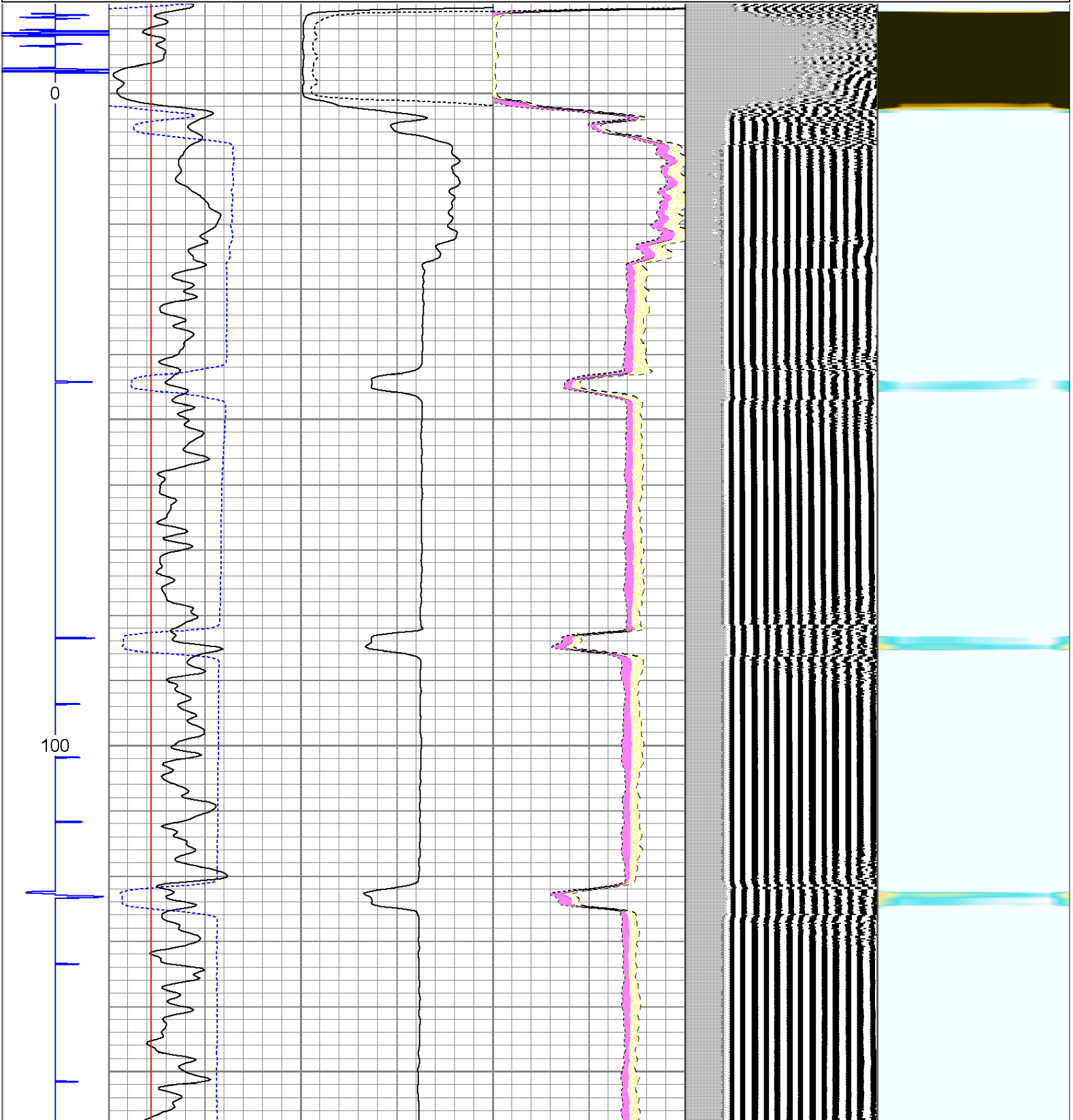
THANK YOU FOR USING PIONEER WIRELINE SERVICES

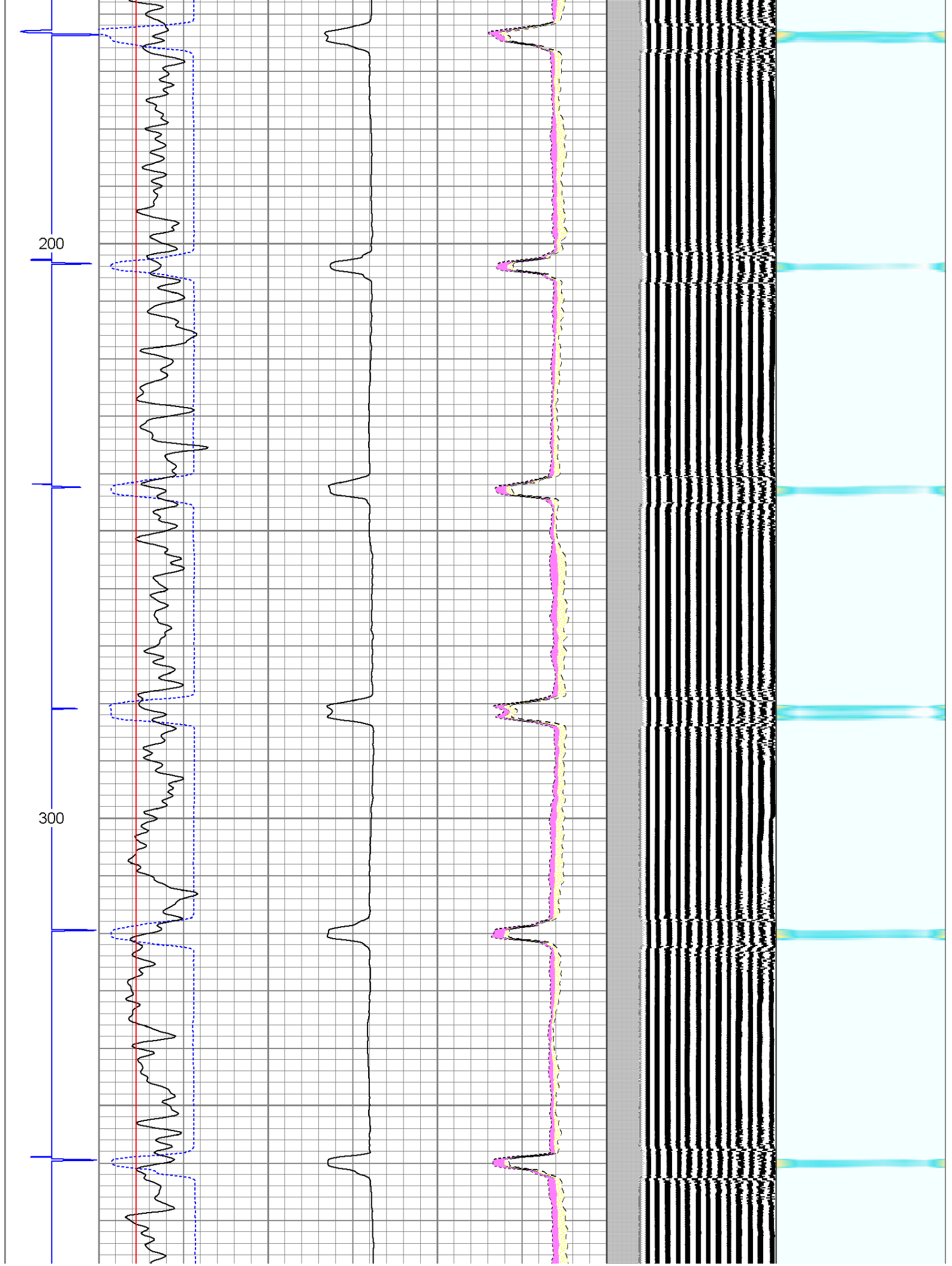
| Your Pioneer Wireline Services Crew | Tool Data - Services | Serial Number |
|---|----------------------|---------------|
| Engineer: Nathan Bivens Operator: John Hollis Operator: Todd Krein Operator: | | |

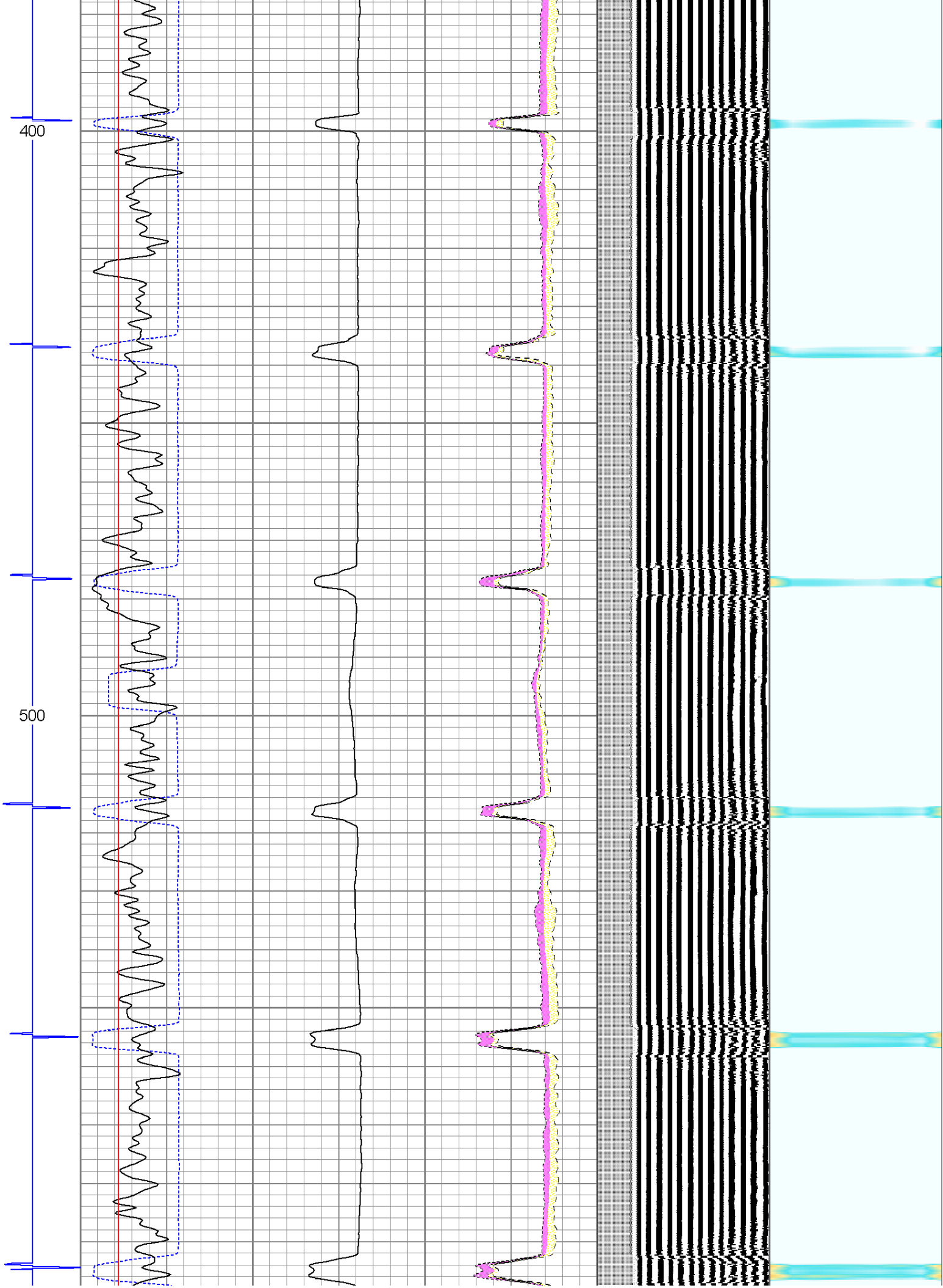
| Sensor | Offset (ft) | Schematic | Description | Len (ft) | OD (in) | Wt (lb) |
|--------|-------------|-----------|---|----------|---------|---------|
| | | | PTS275 | 2.83 | 2.75 | |
| WVF3FT | 11.78 | | RBT-Probe (4.5040904) Prototype Probe Radii Bond Tool with Digital Telemetry | 8.88 | 2.75 | 90.00 |
| WVFCAL | 11.78 | | | | | |
| WVFS1 | 11.78 | | | | | |
| WVFS2 | 11.78 | | | | | |
| WVFS3 | 11.78 | | | | | |
| WVFS4 | 11.78 | | | | | |
| WVFS5 | 11.78 | | | | | |
| WVFS6 | 11.78 | | | | | |
| WVFS7 | 11.78 | | | | | |
| WVFS8 | 11.78 | | | | | |
| WVF5FT | 10.78 | | | | | |
| | | | PTS275 | 2.83 | 2.75 | |
| CCL | 3.84 | | | | | |
| TEMP | 3.14 | | | | | |
| GR | 2.30 | | GCT-GRCCCLTEMP (130608) Probe GCT | 4.69 | 2.75 | 100.00 |

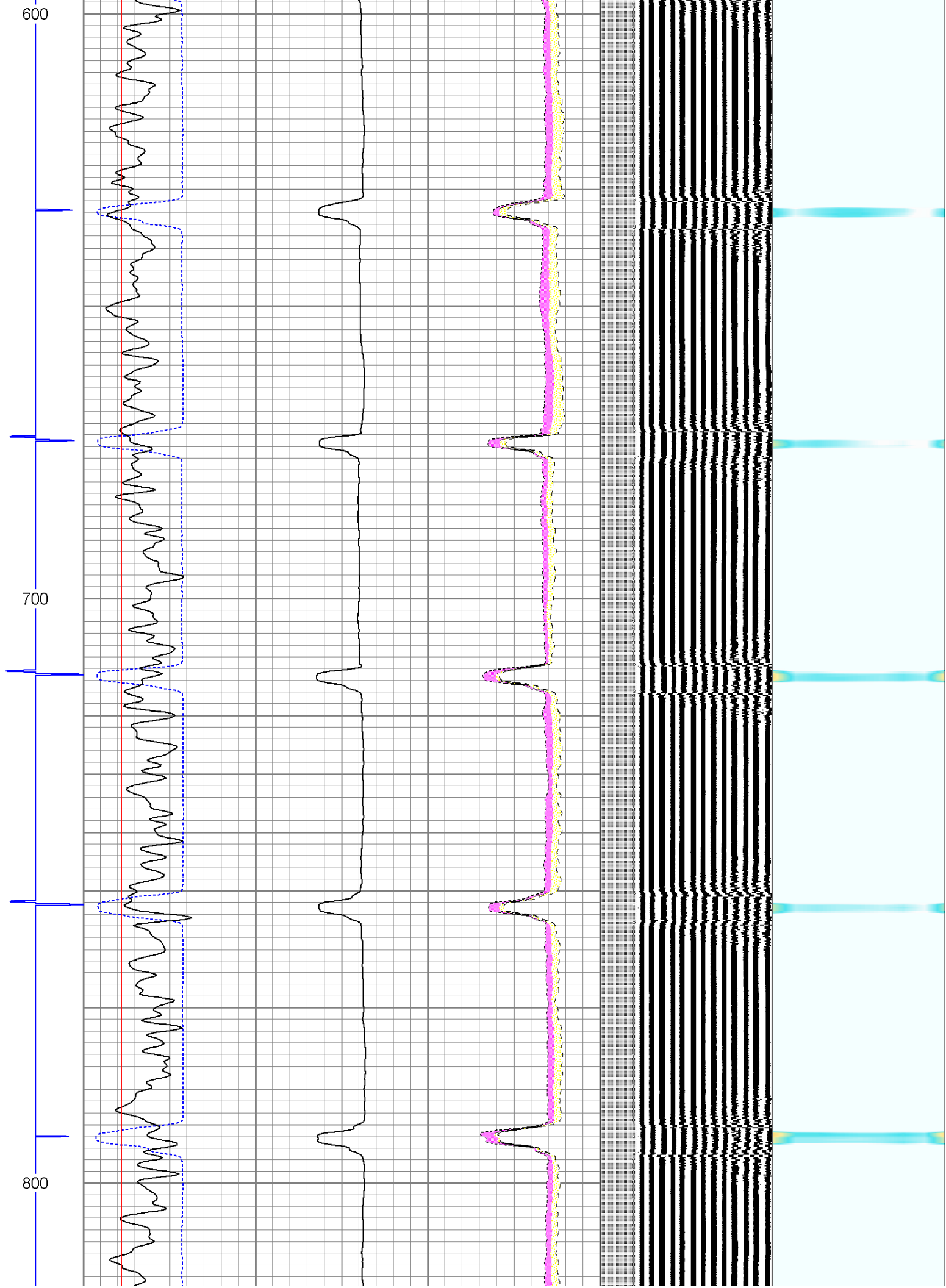
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Presentation Format: scbl02
Dataset Creation: Wed Feb 05 15:55:34 2014 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240

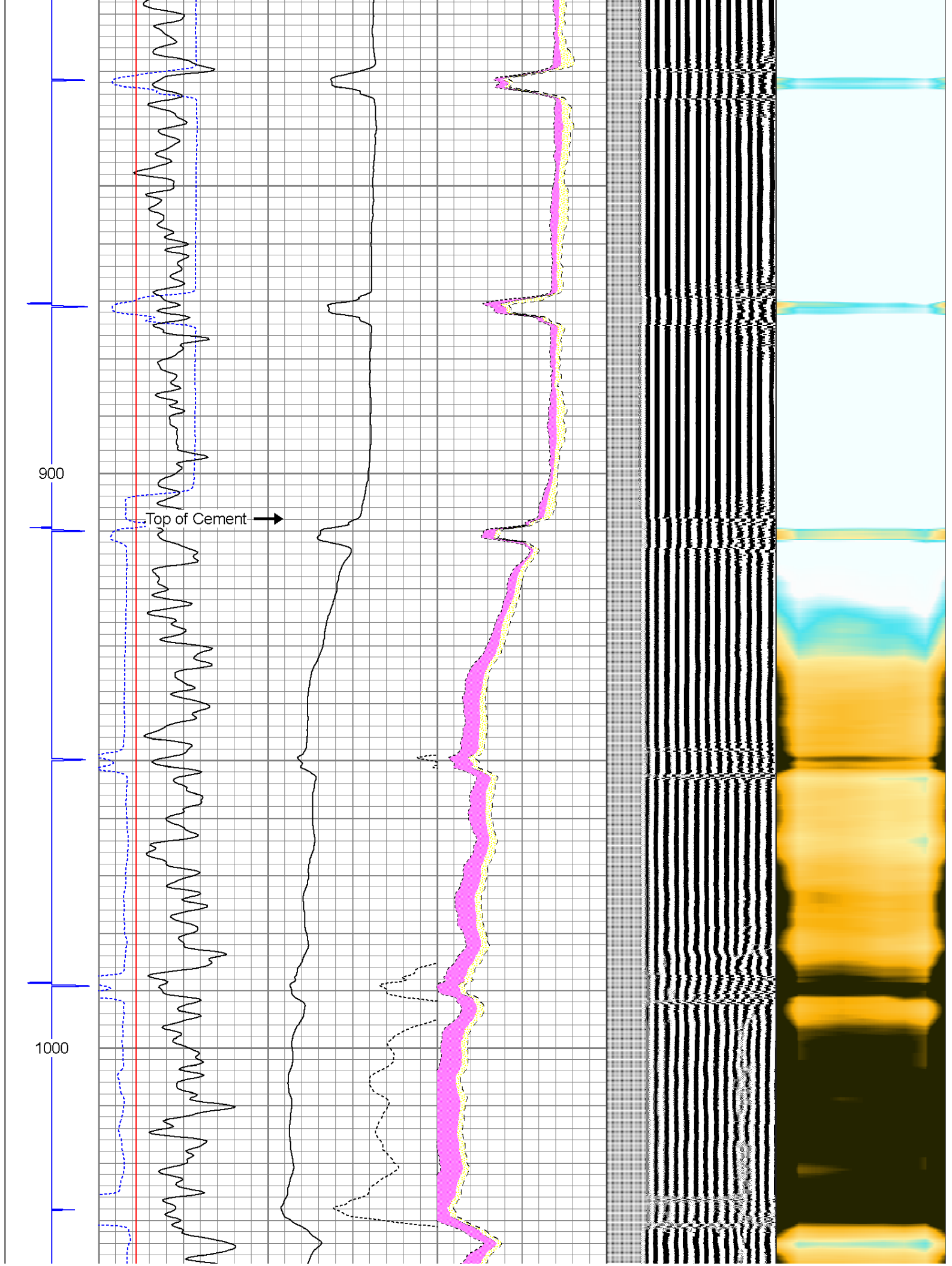
| | | | | | | | | | | | | | | | | | |
|---|-----|----|-------------|-----------|-----|---|------------|-----|---|--------|-----|-----|-----|------|----|------------|----|
| 5 | CCL | -5 | 362 | TT (usec) | 262 | 0 | AMP (mV) | 100 | 0 | AMPAVG | 150 | 200 | VDL | 1200 | 1 | SECTOR MAP | 8 |
| | | | 0 | GR (GAPI) | 150 | 0 | AMPx5 (mV) | 20 | 0 | AMPMAX | 150 | | | | 25 | | 75 |
| | | | TEMPERATURE | | | | | | 0 | AMPMIN | 150 | | | | | | |
| | | | 100 | (degF) | 200 | | | | | | | | | | | | |





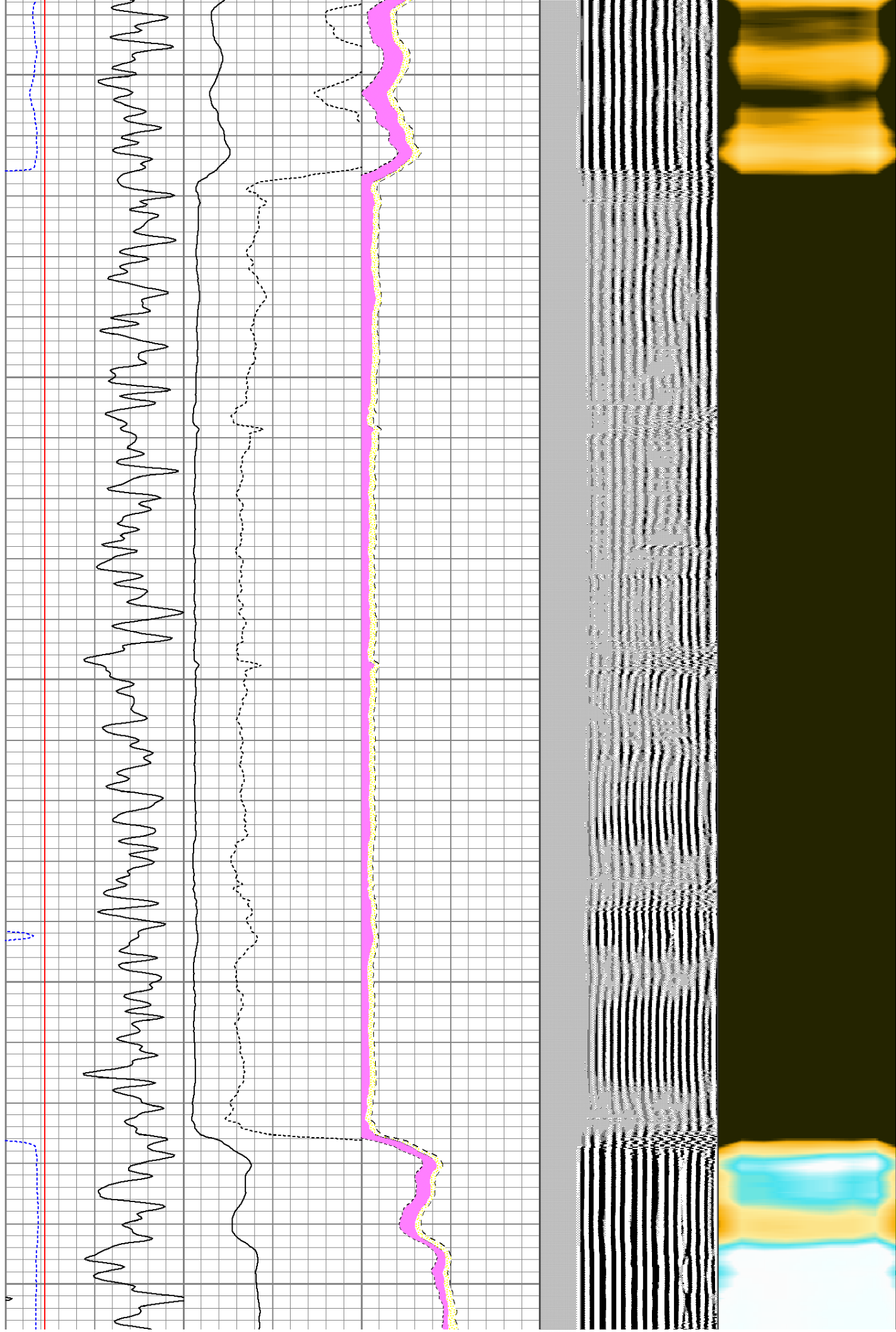


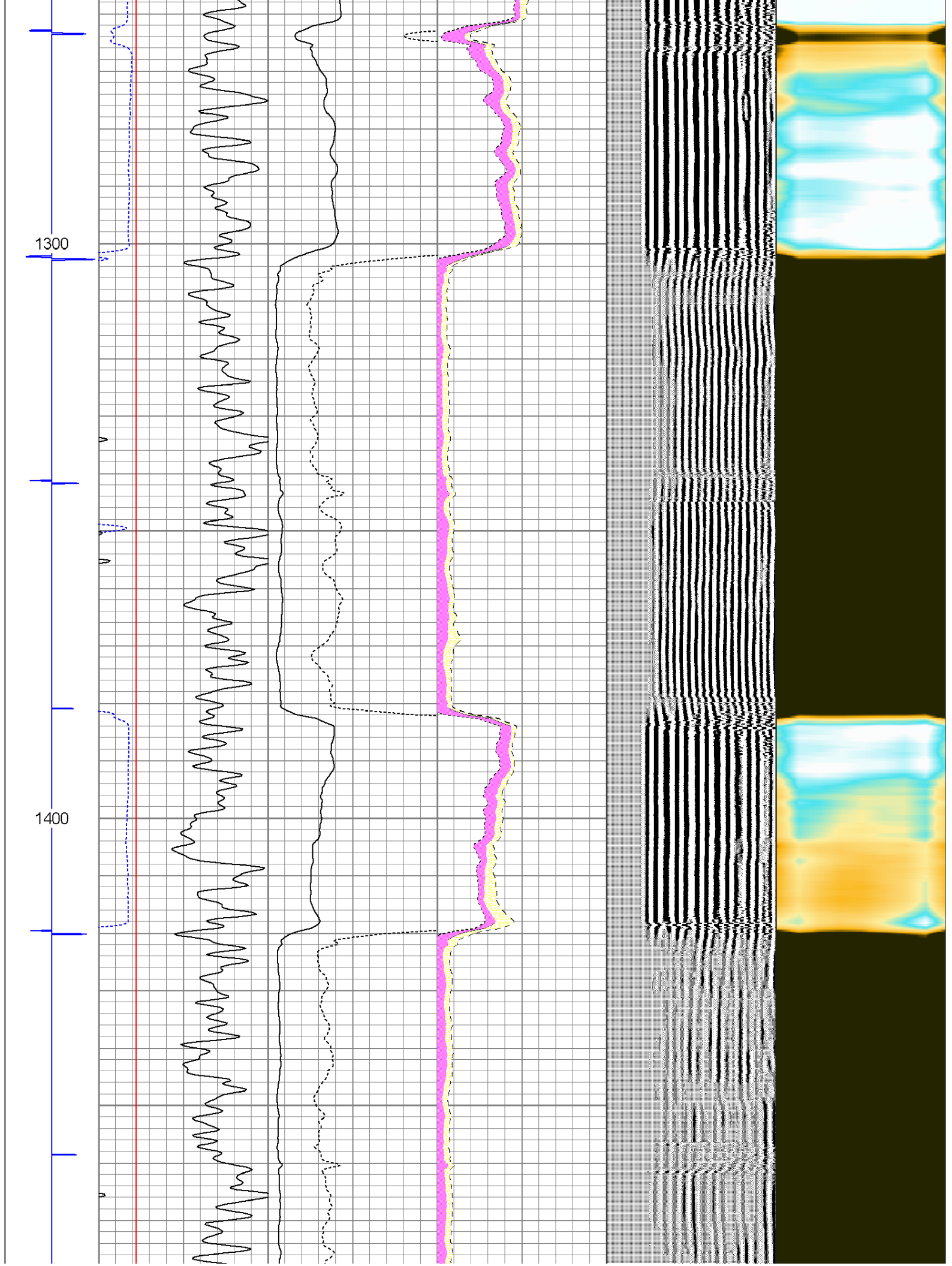


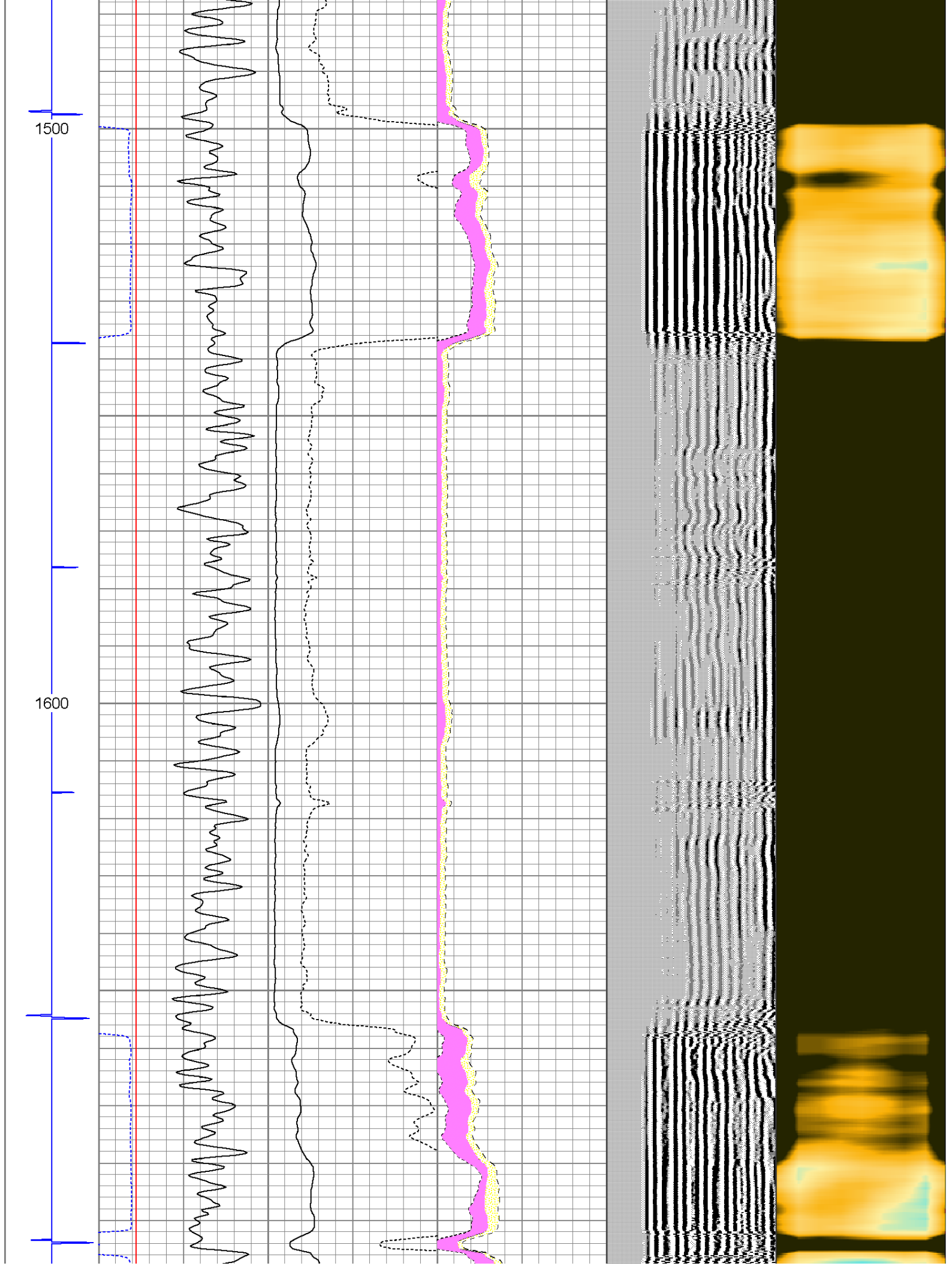


1100

1200



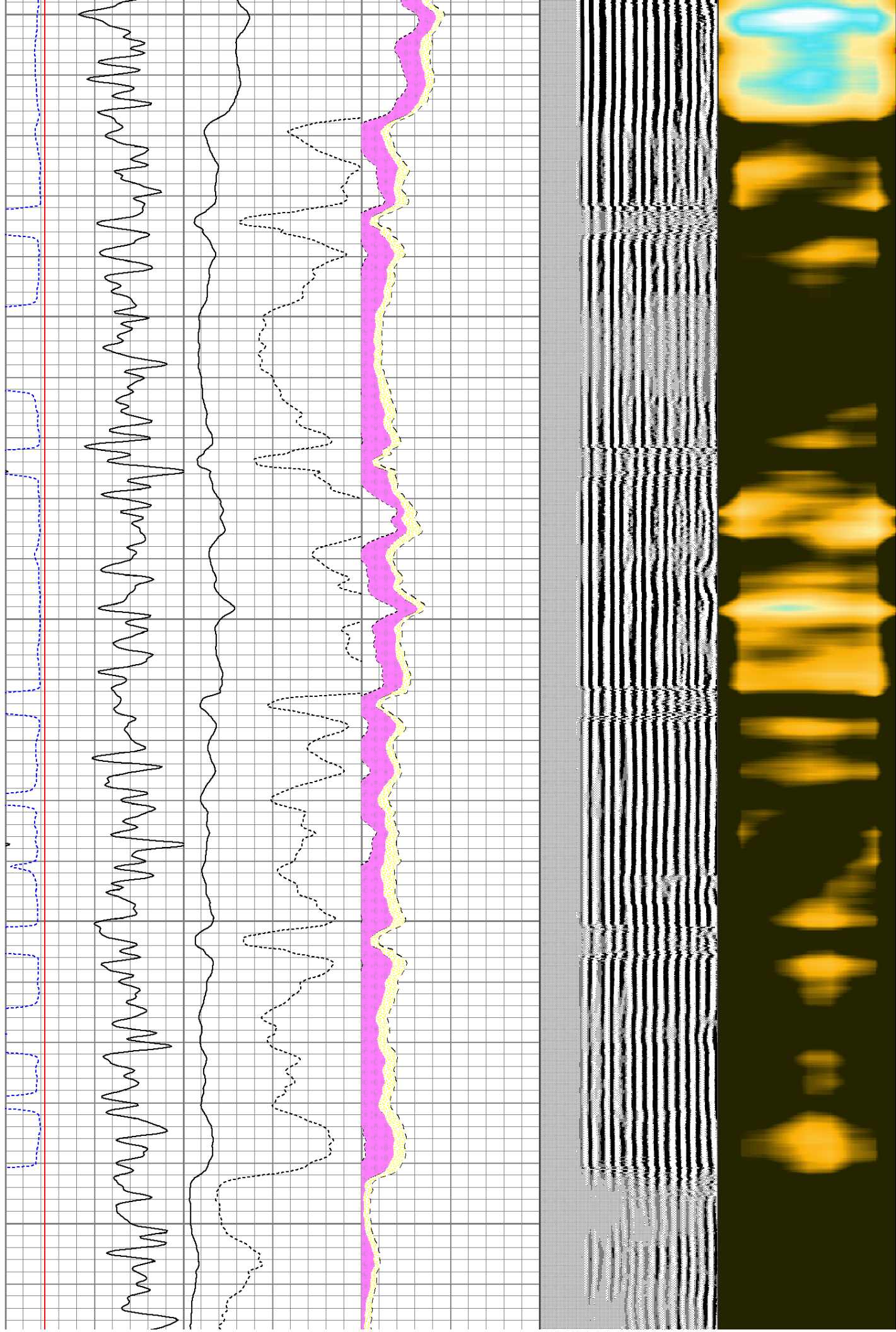


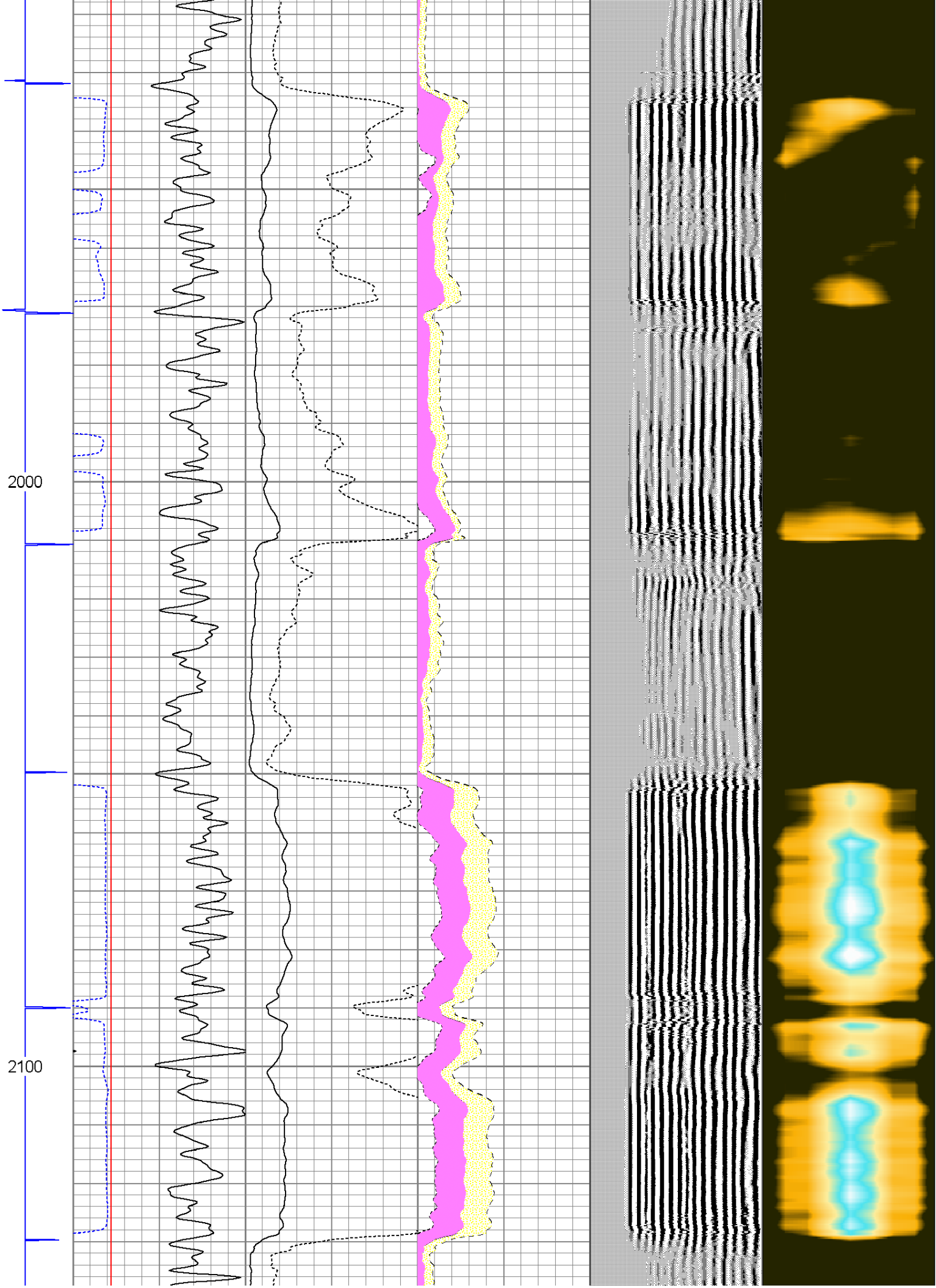


1700

1800

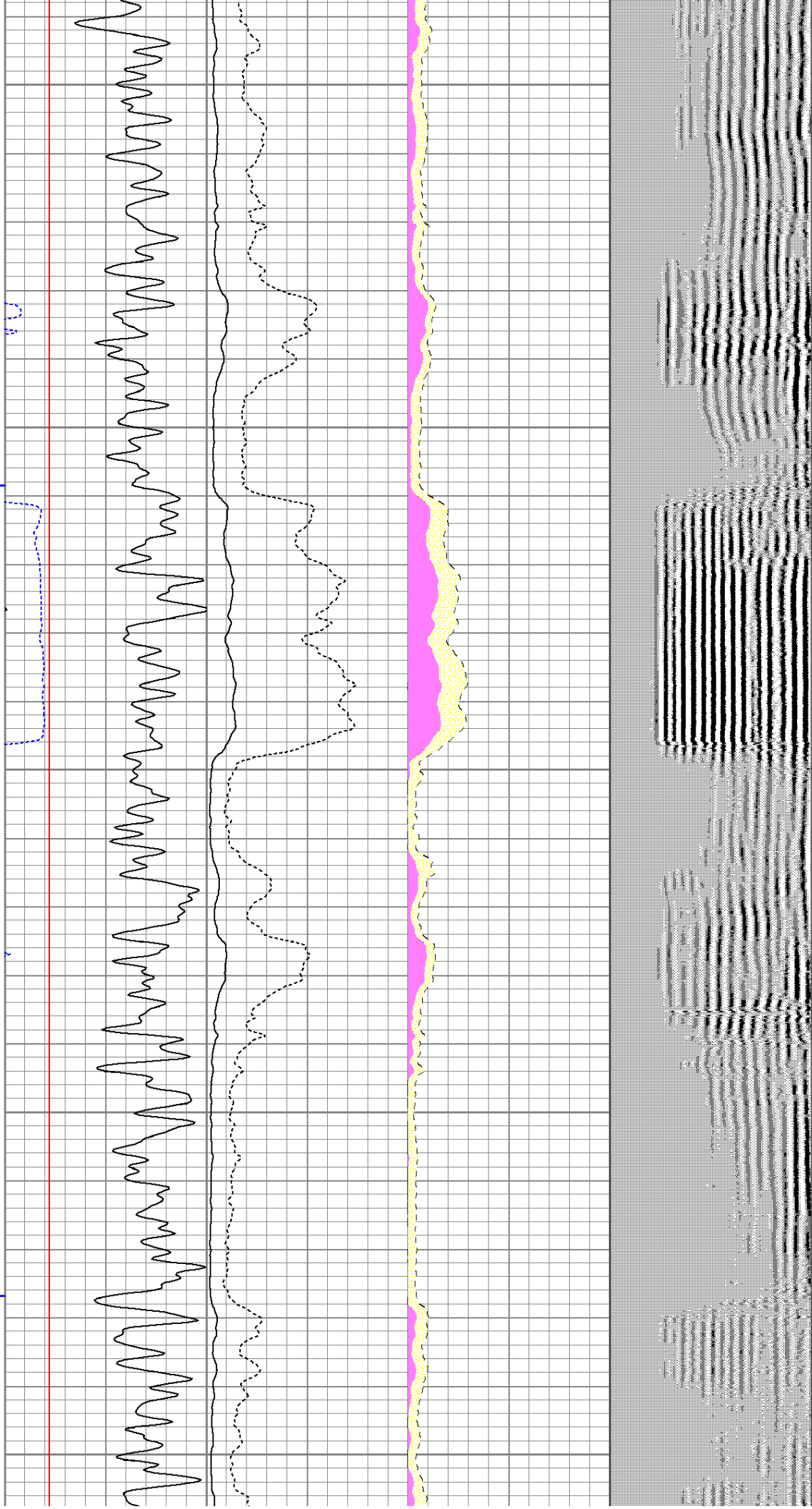
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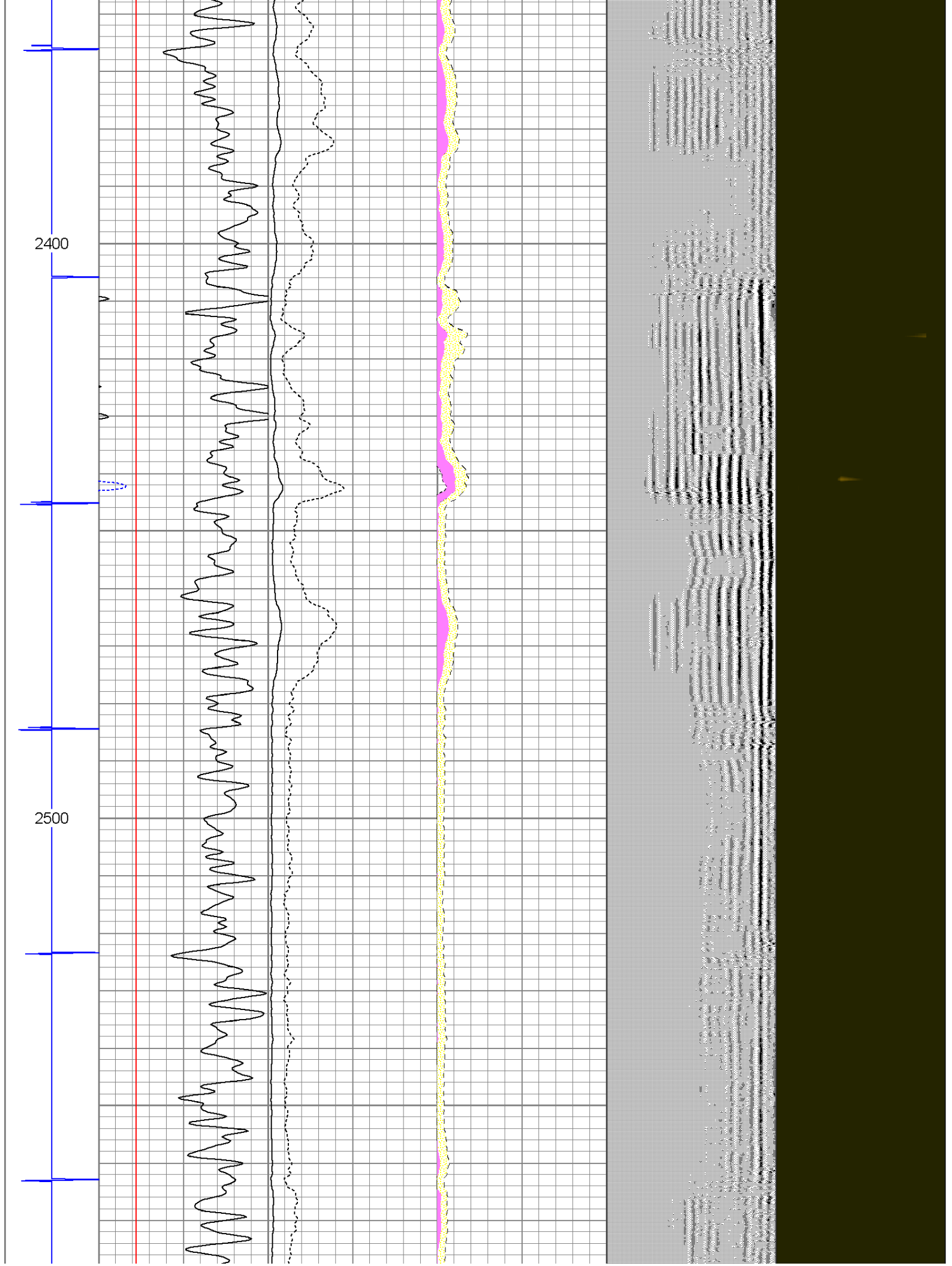


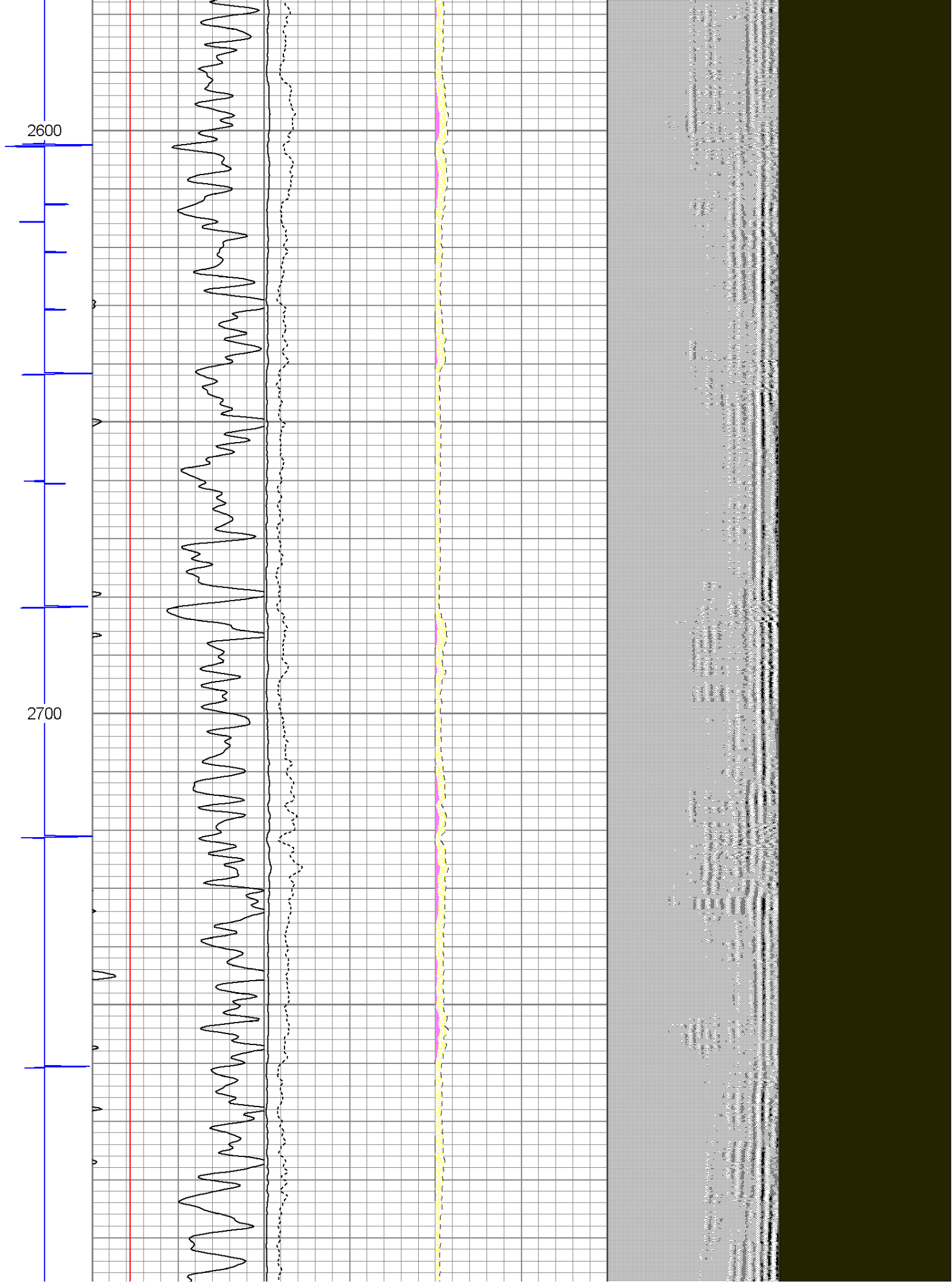


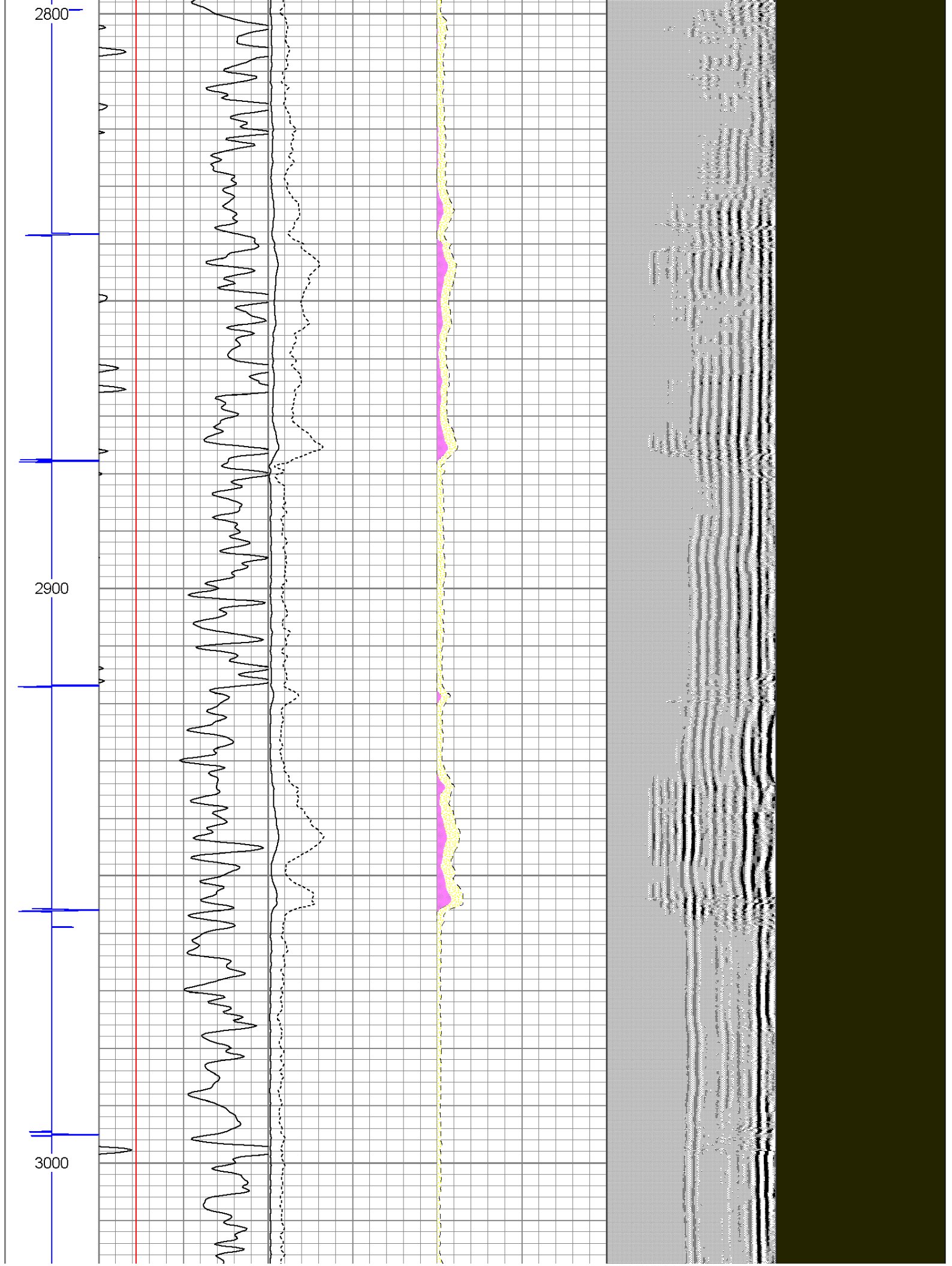
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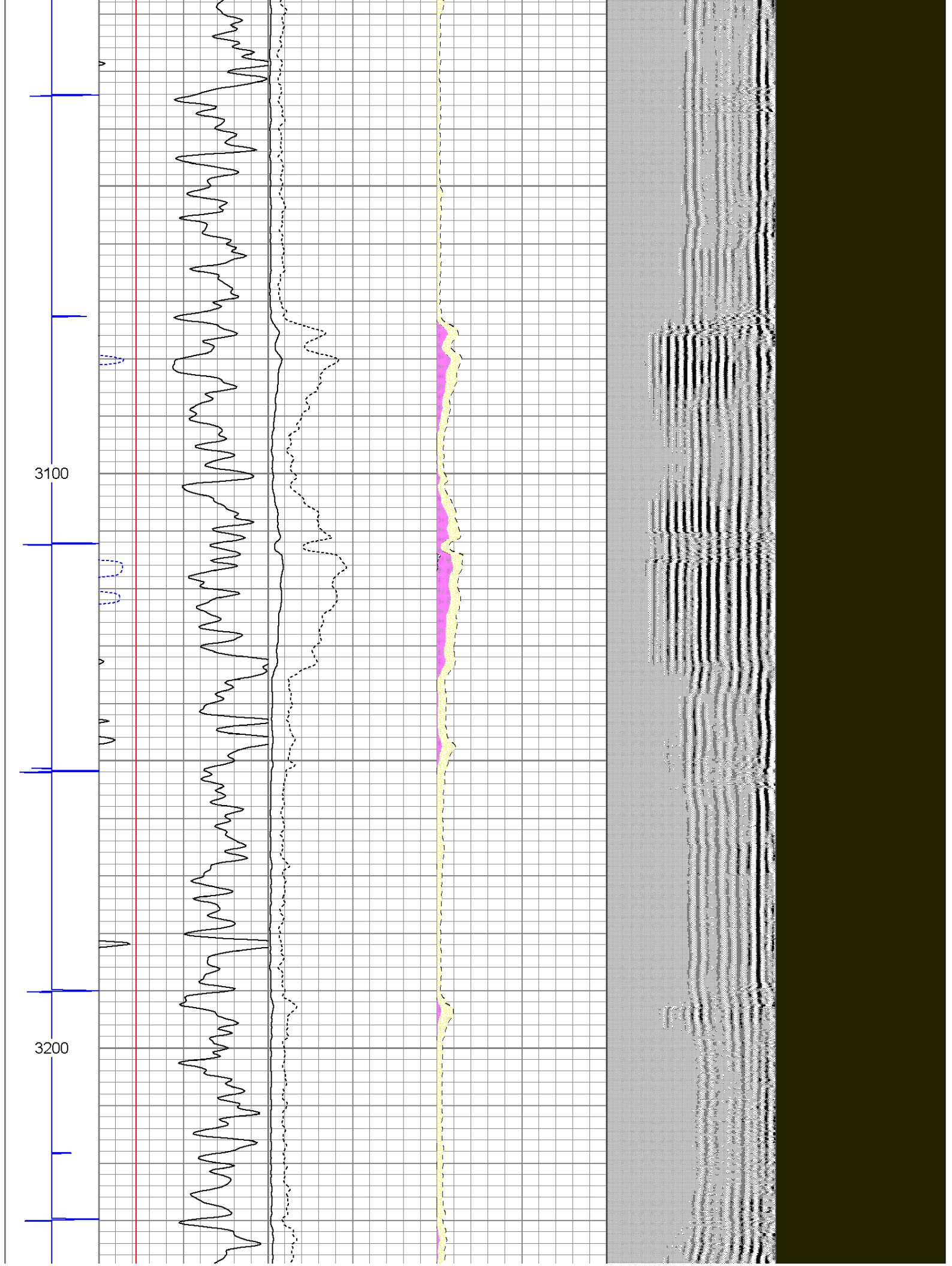
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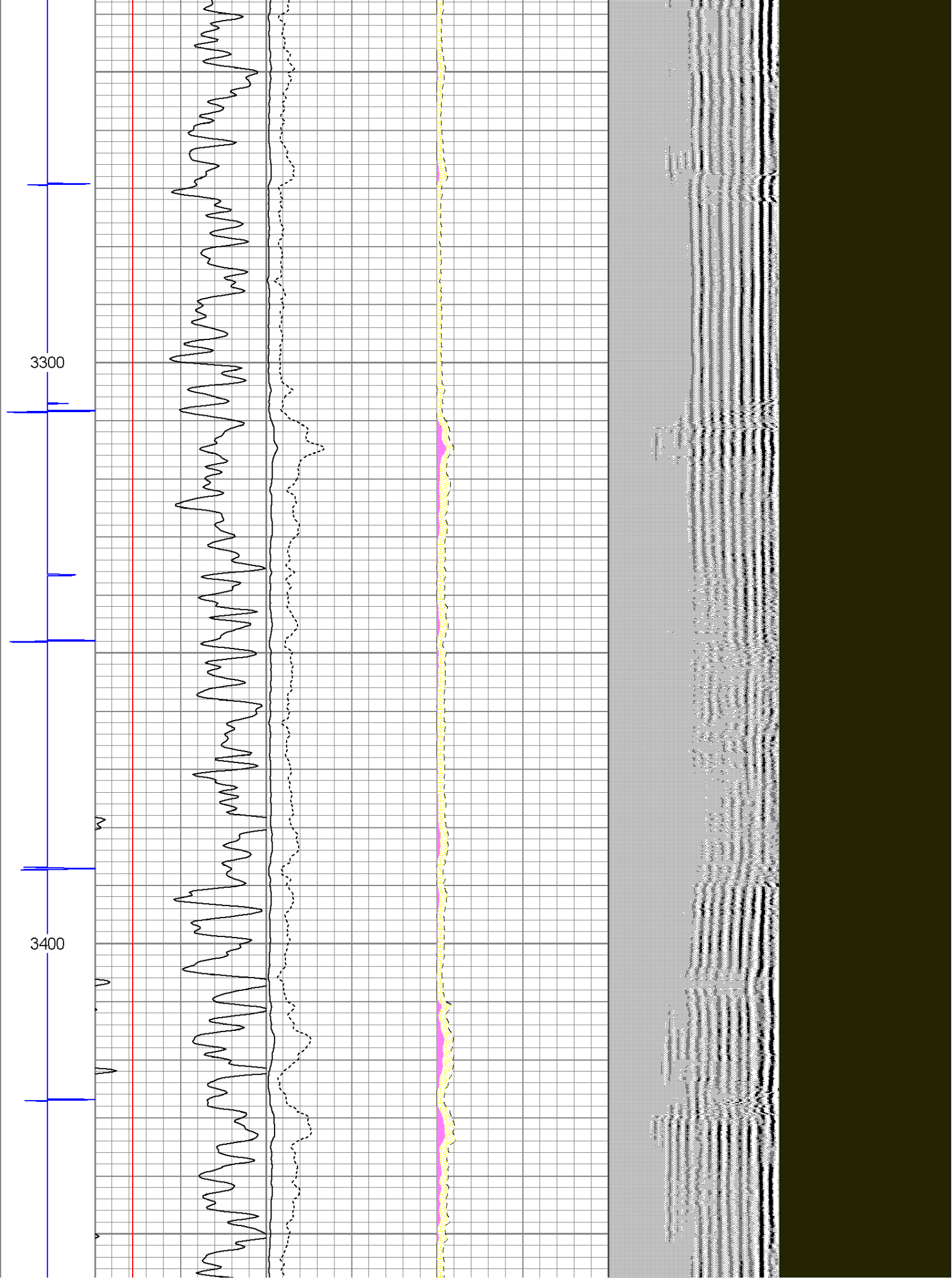


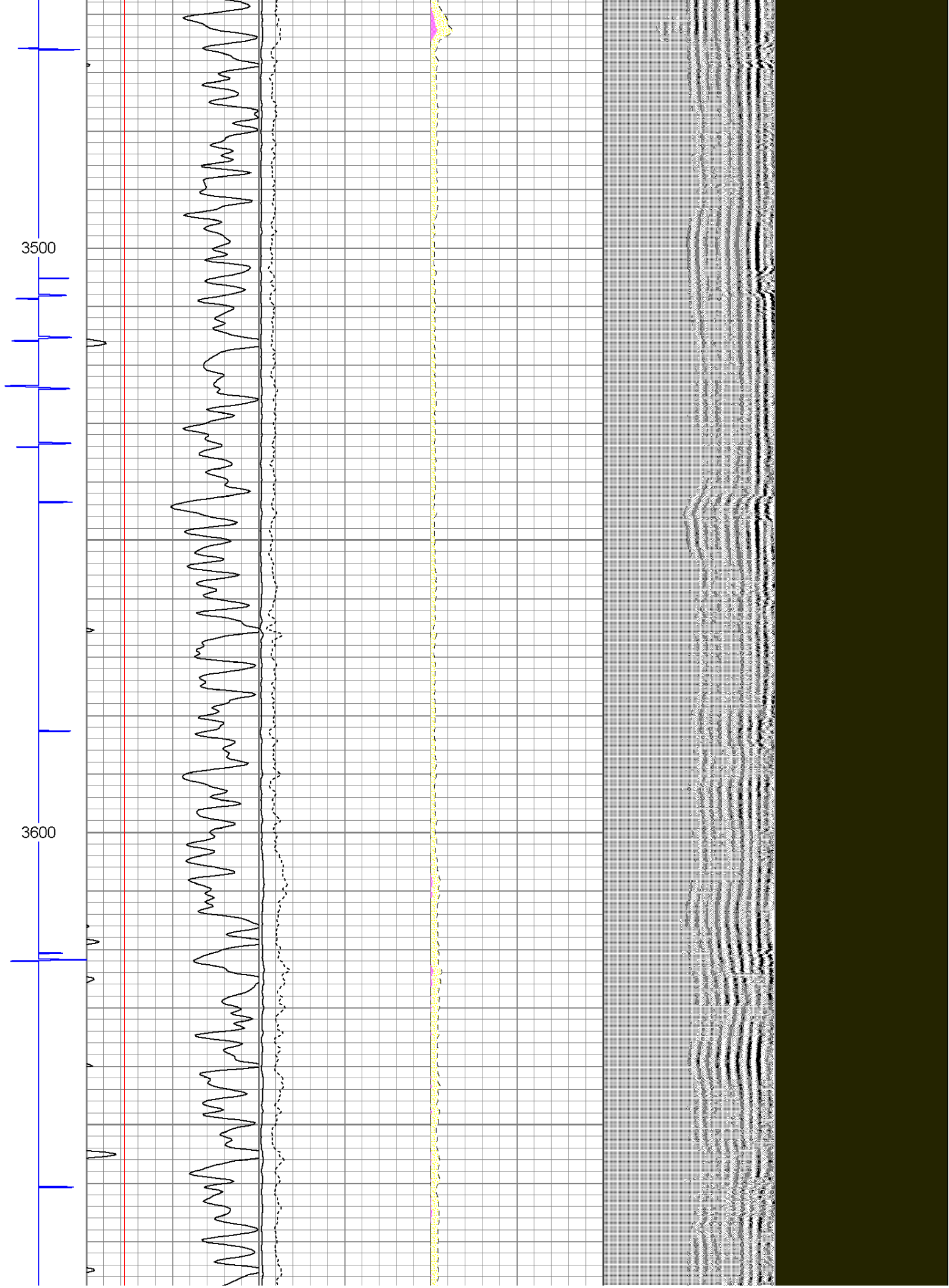


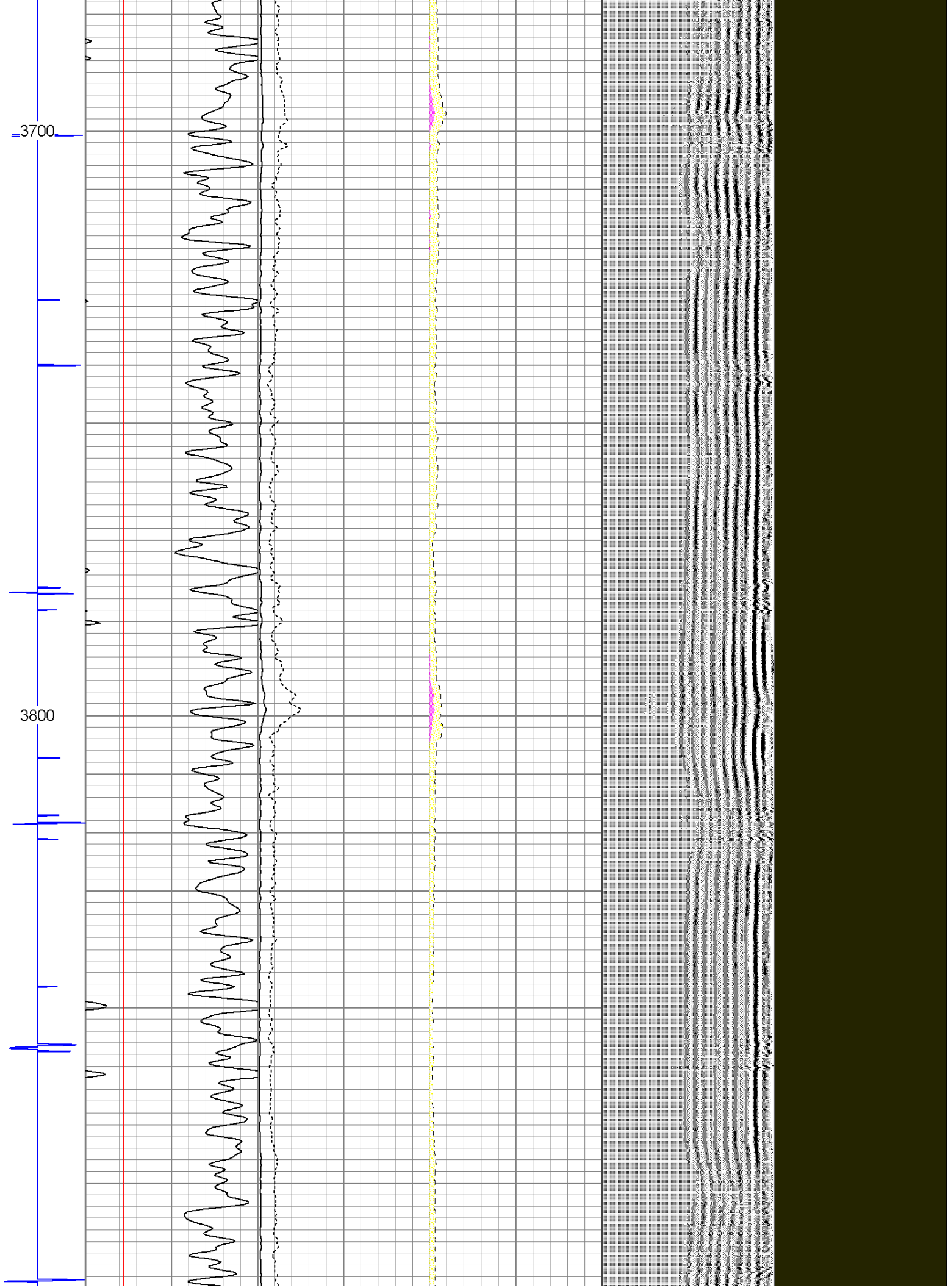








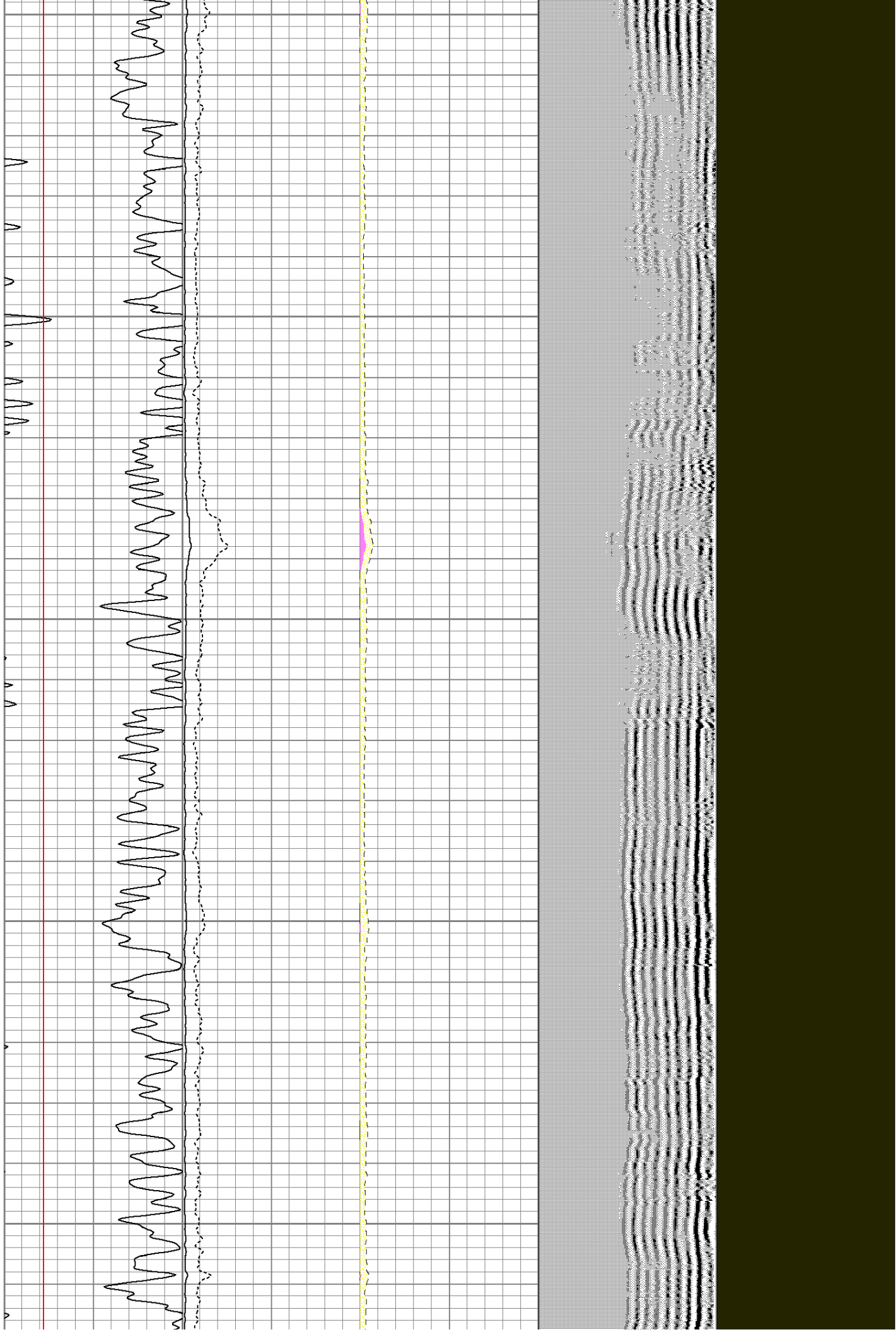


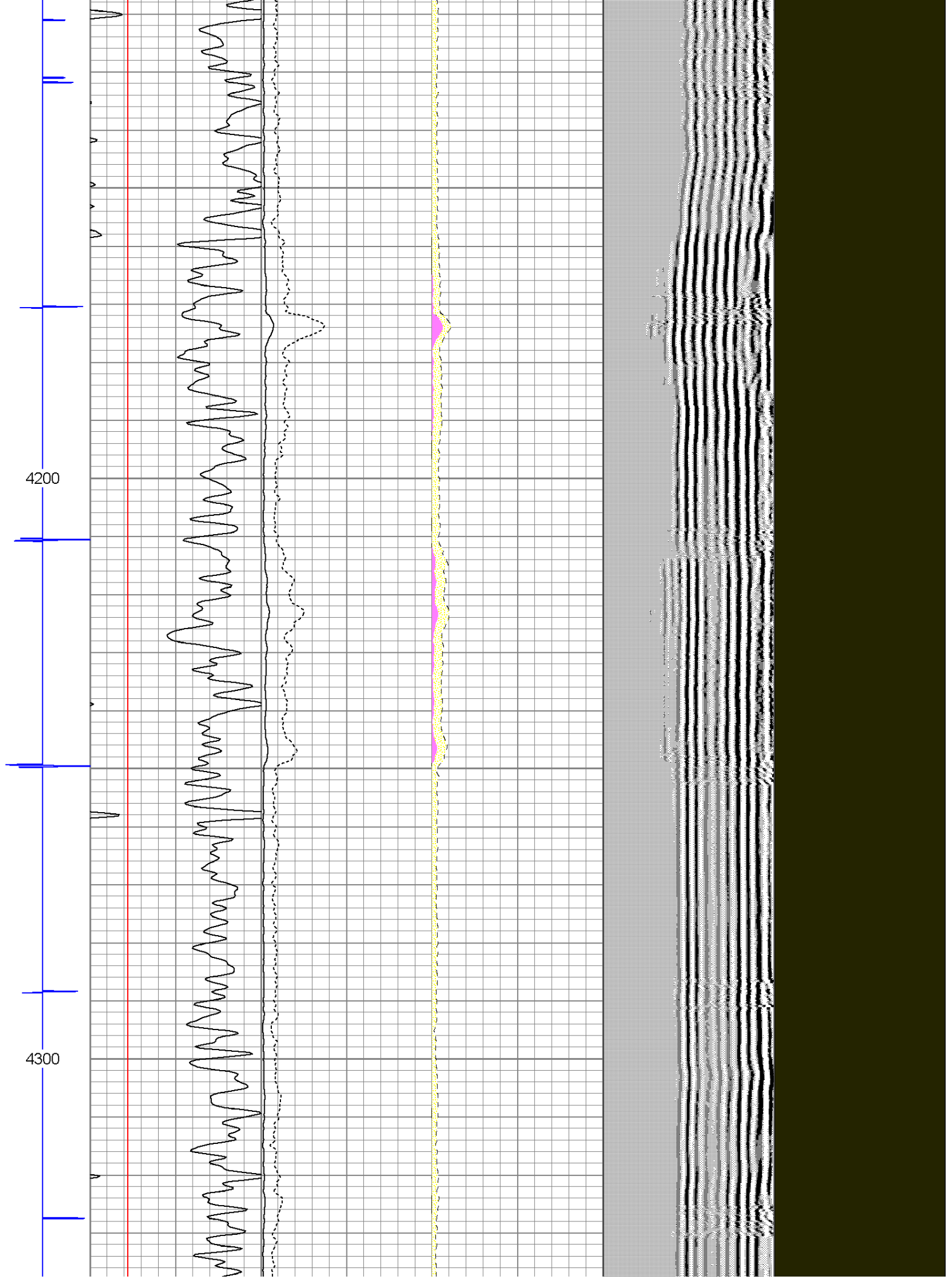


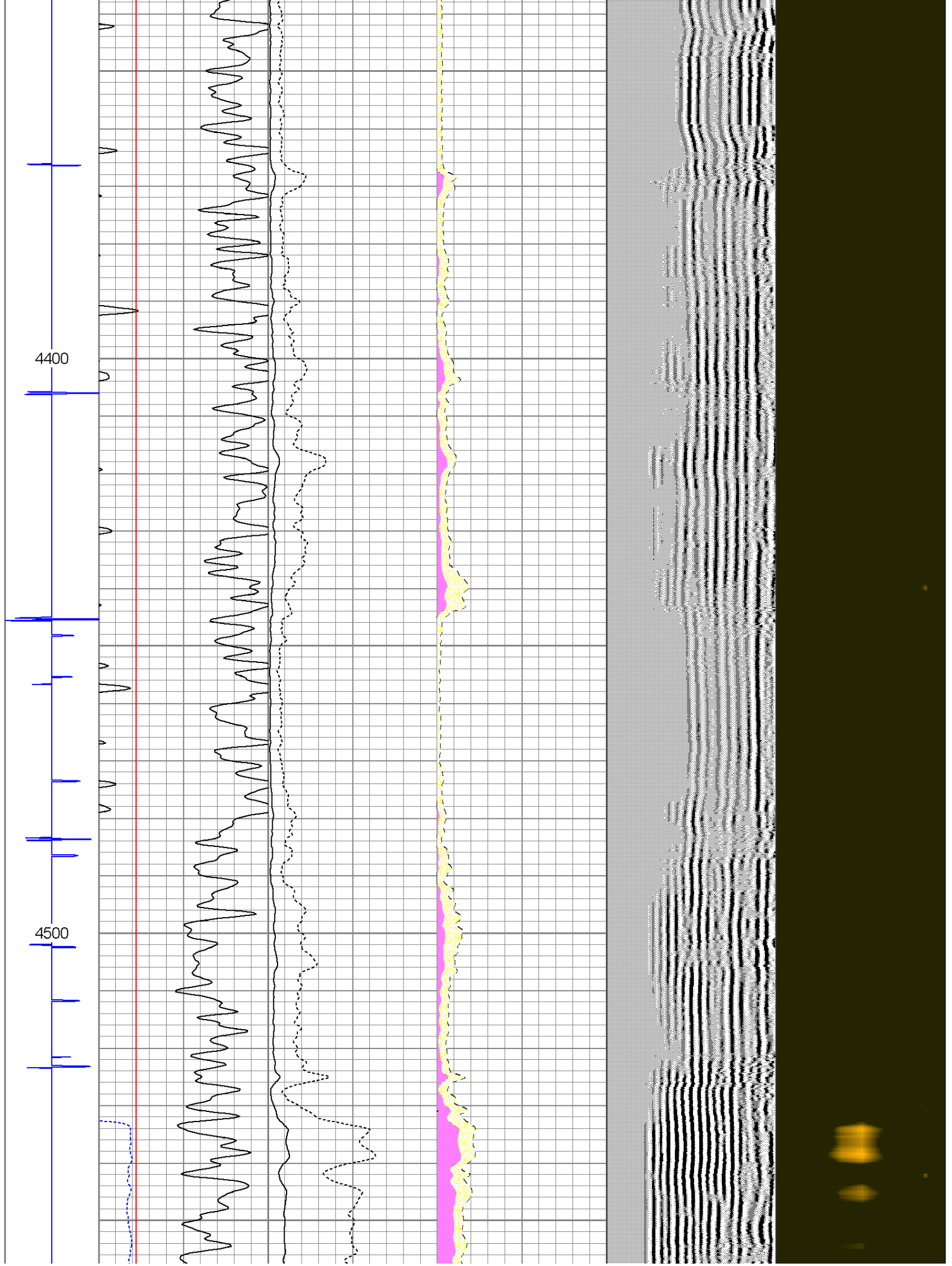
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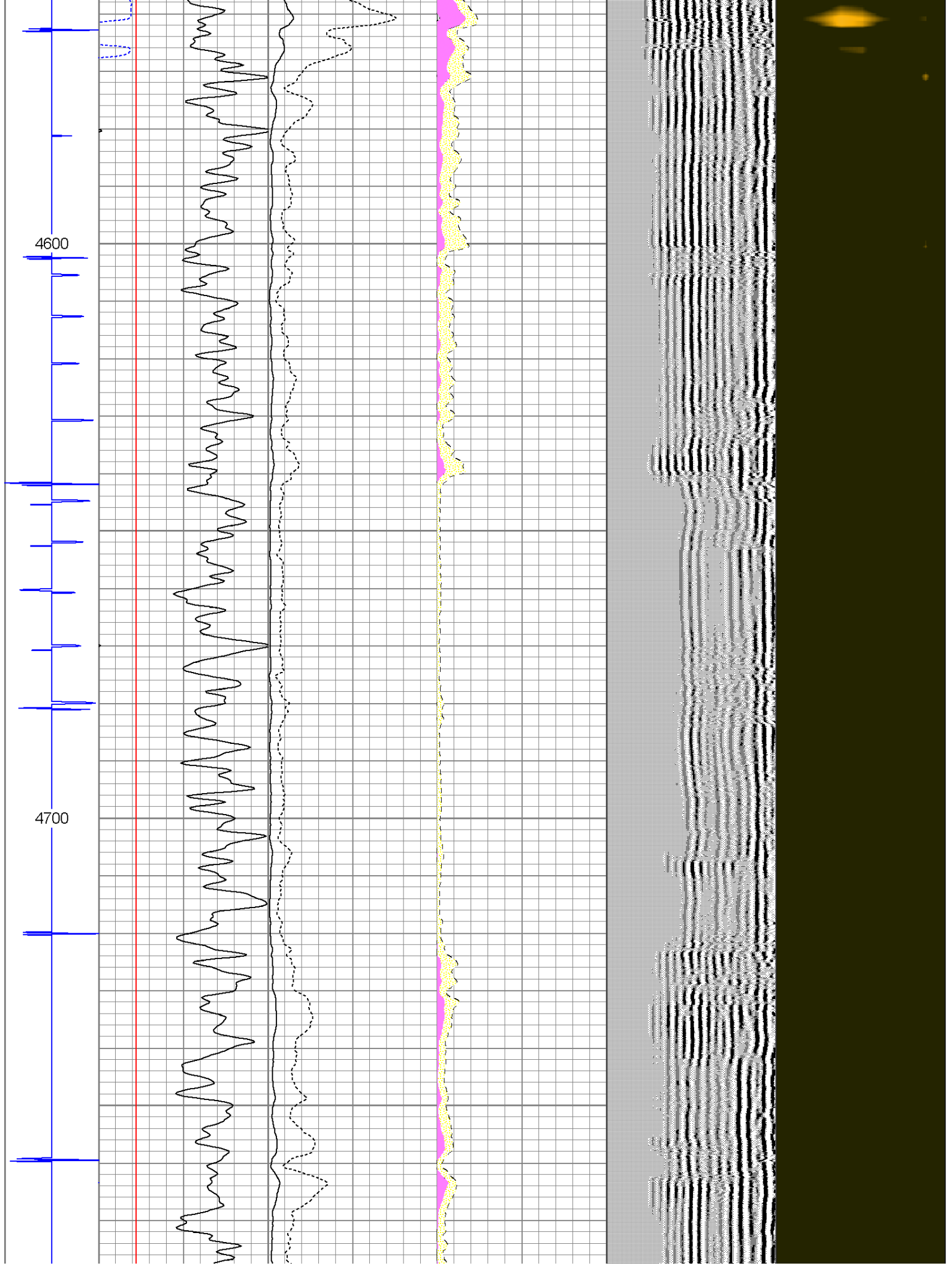
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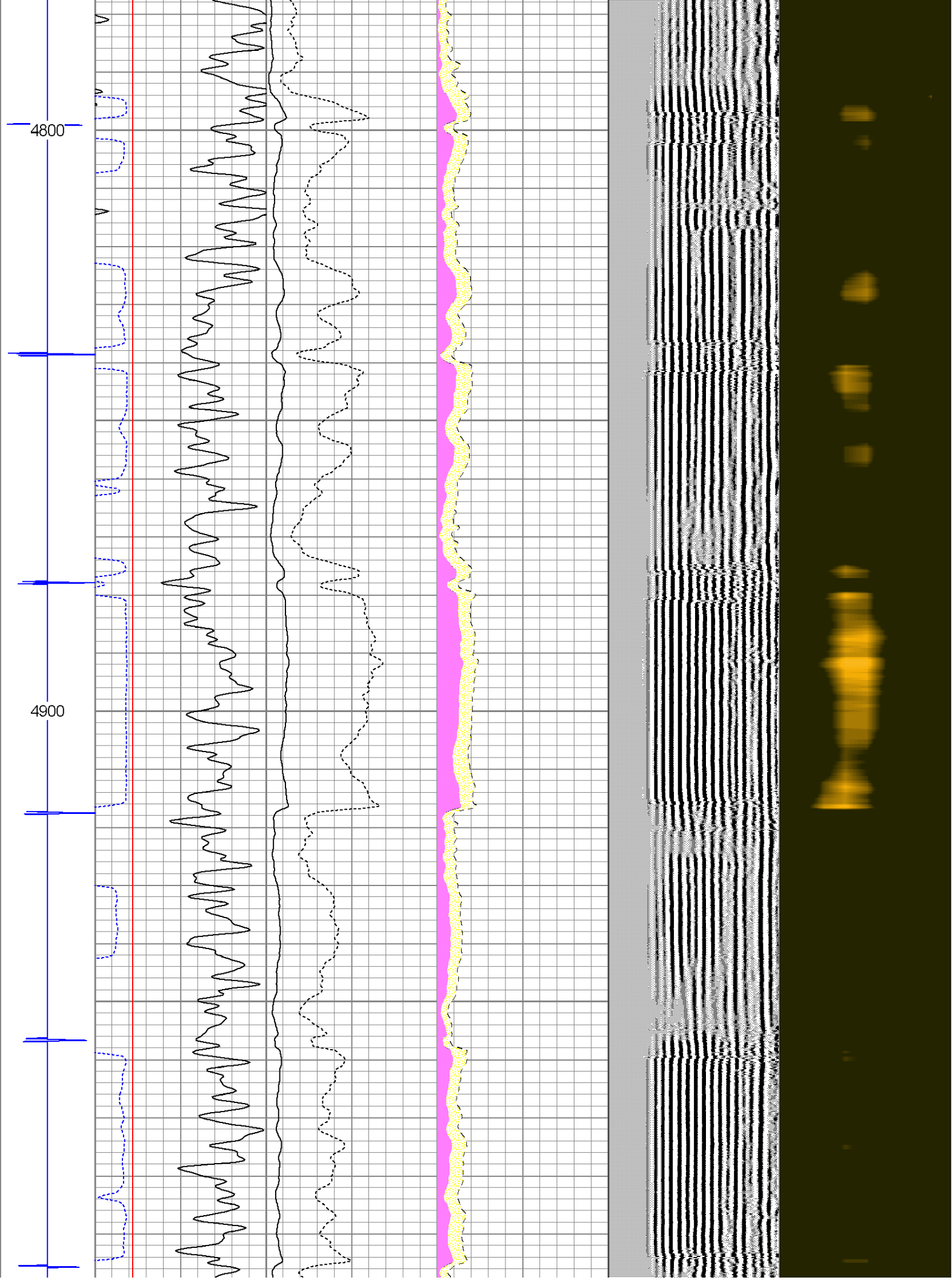
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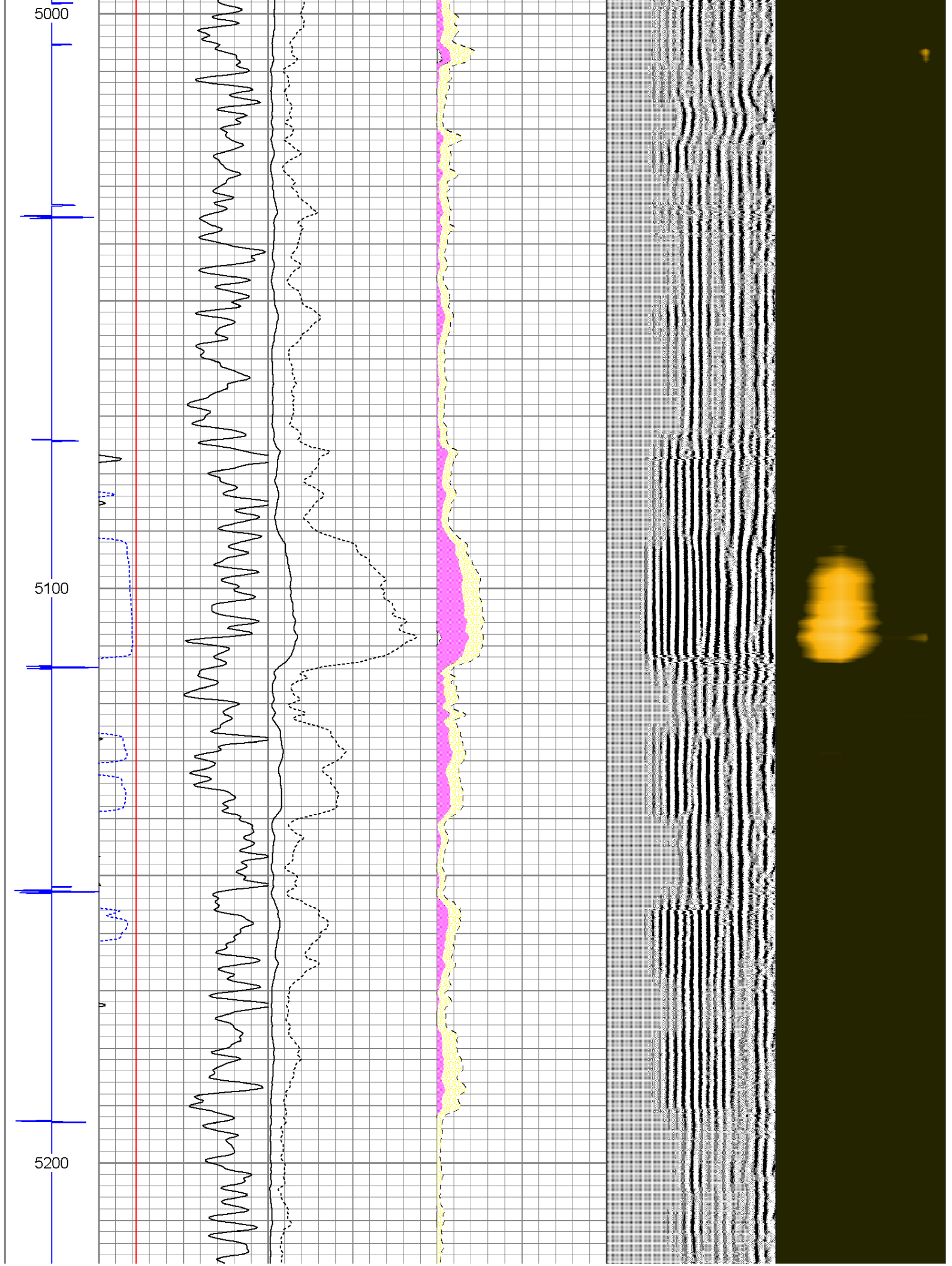


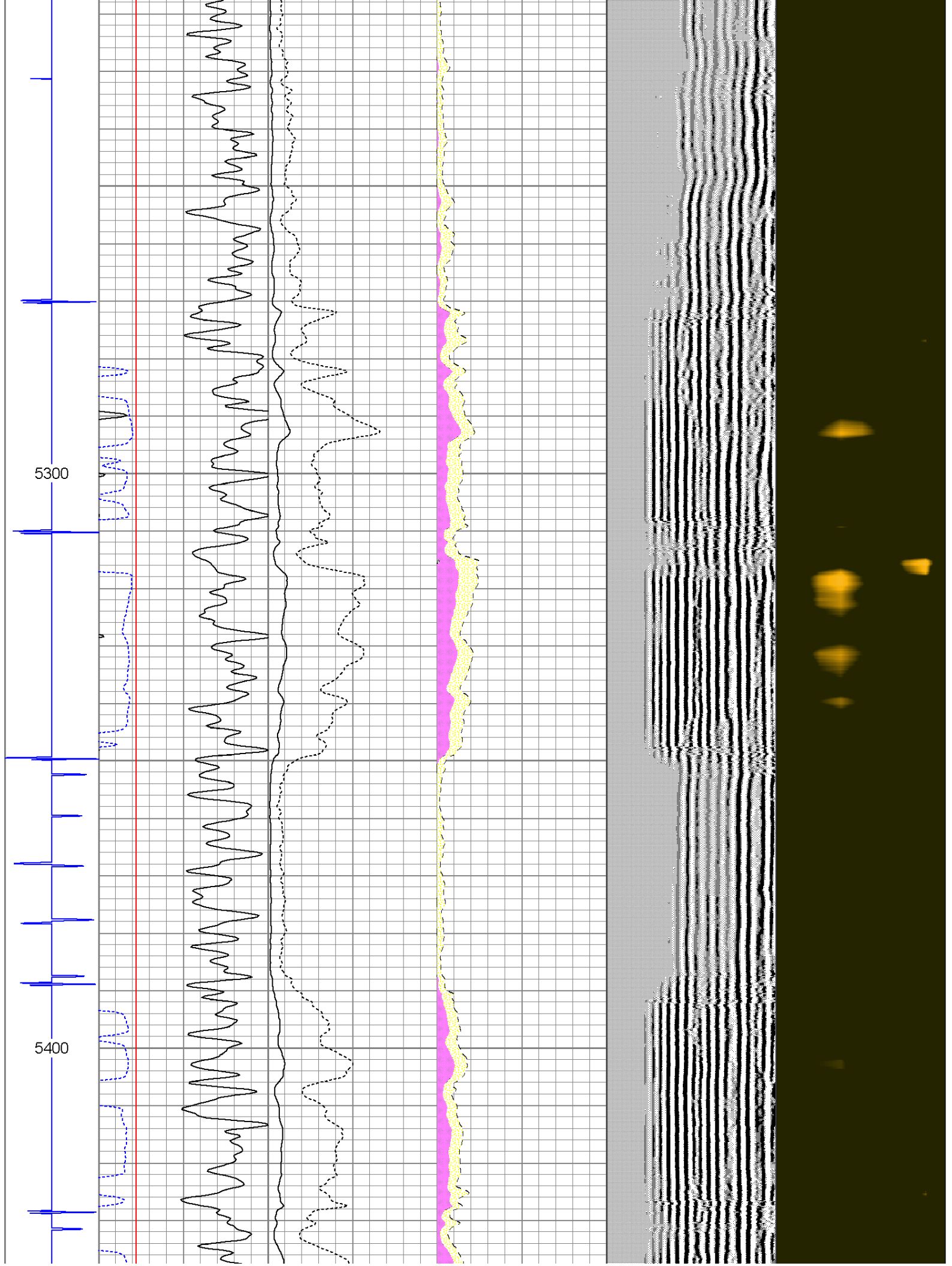


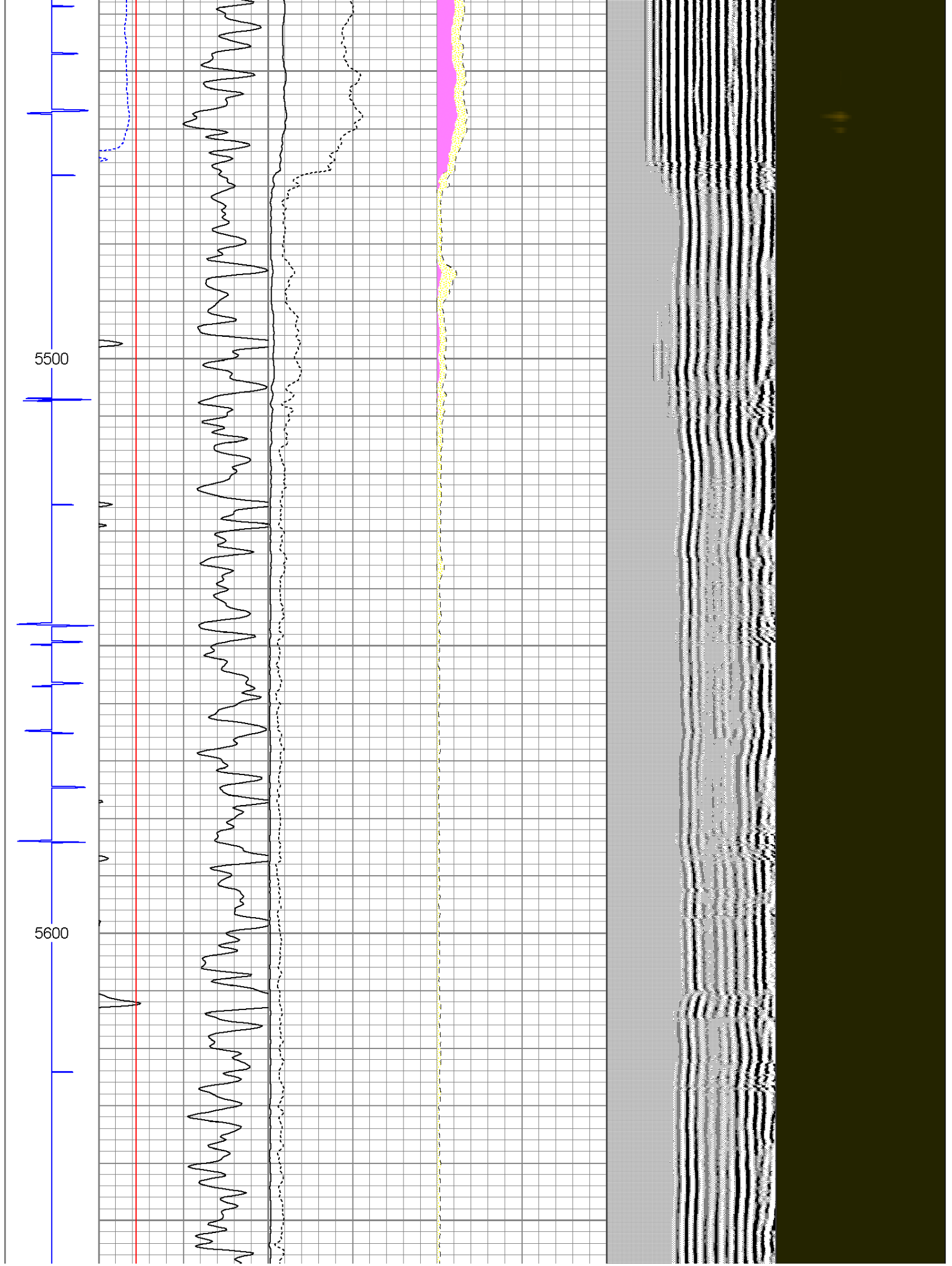


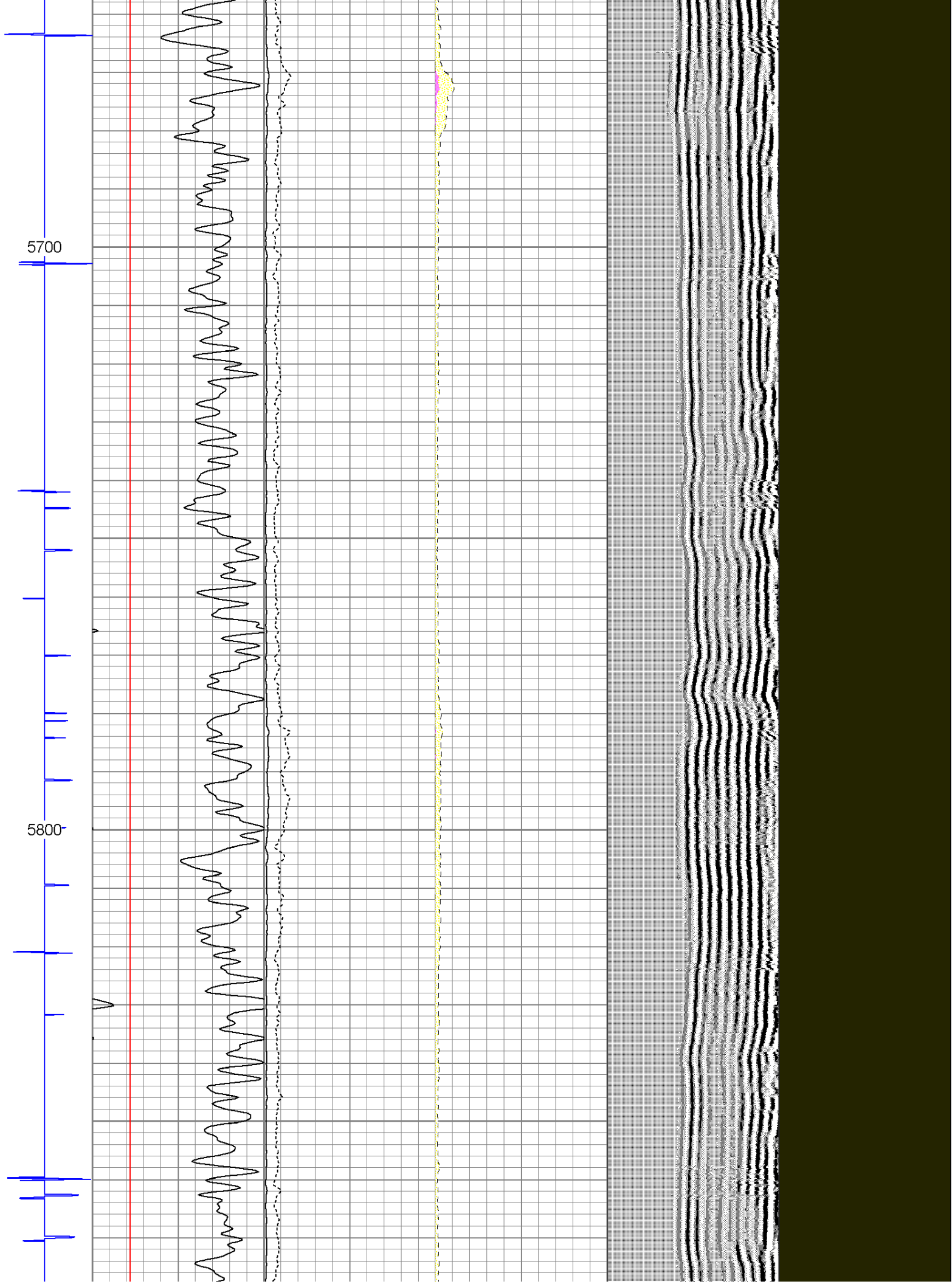


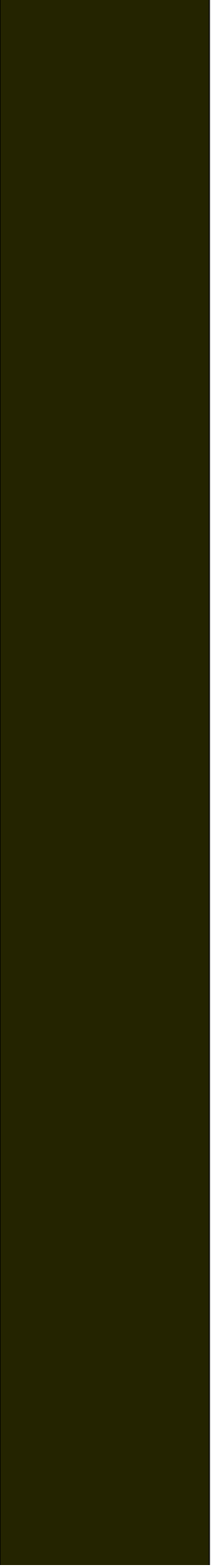
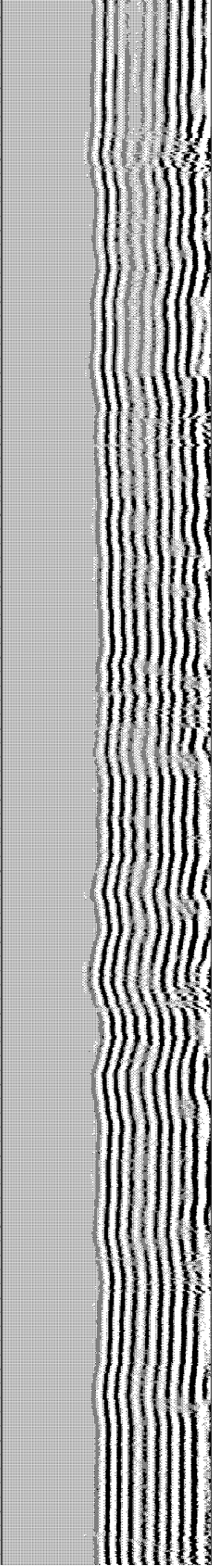
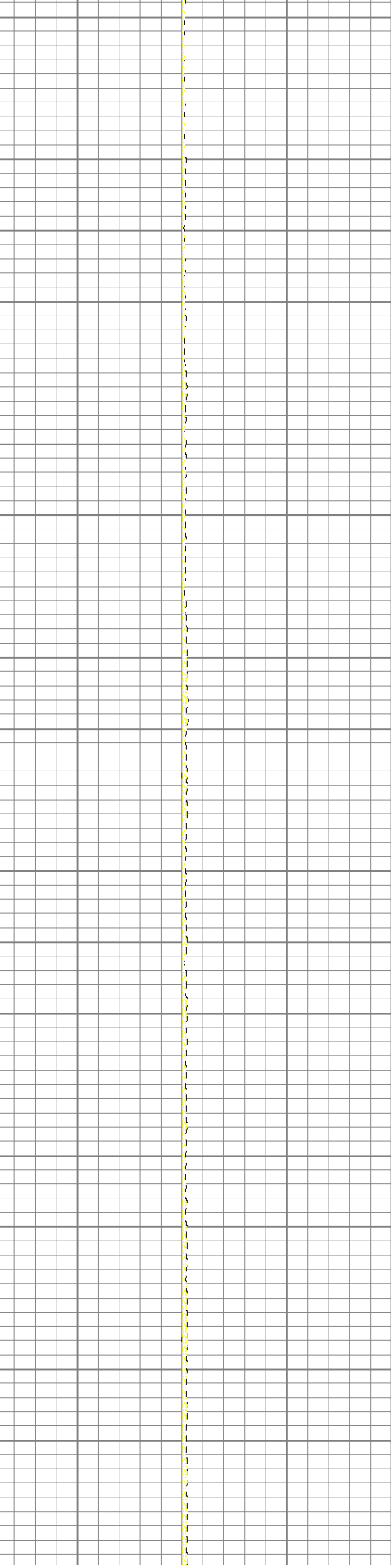


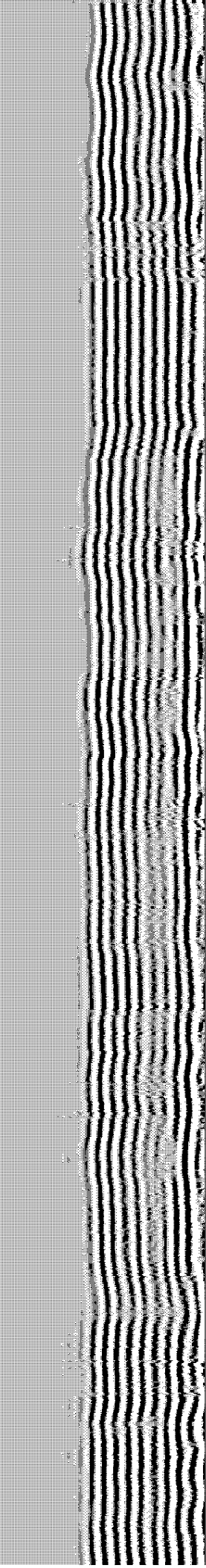
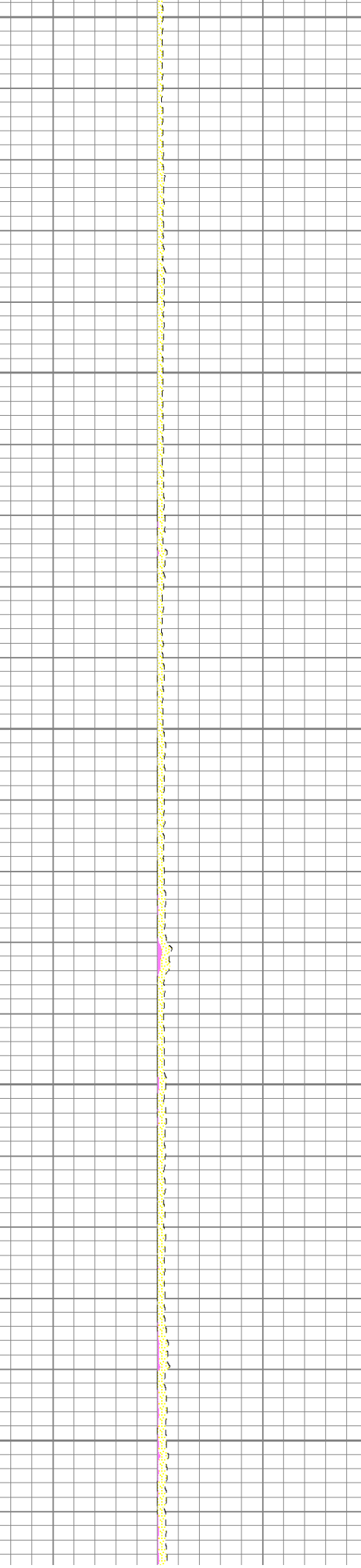
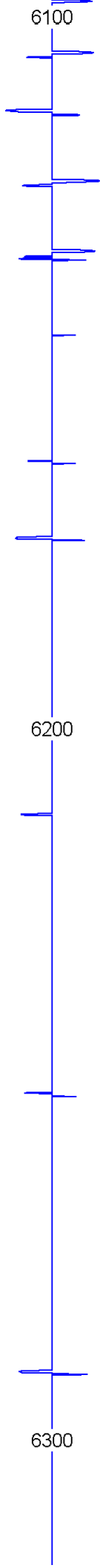


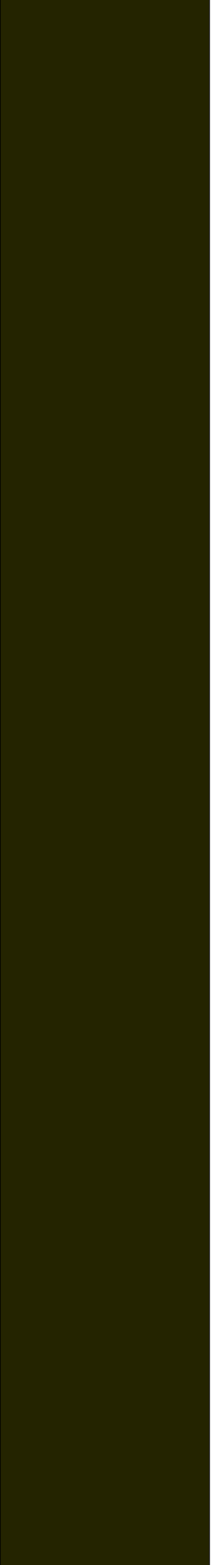
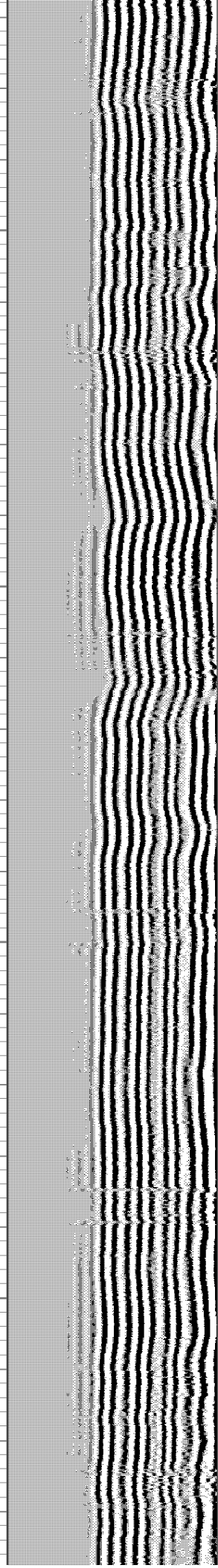
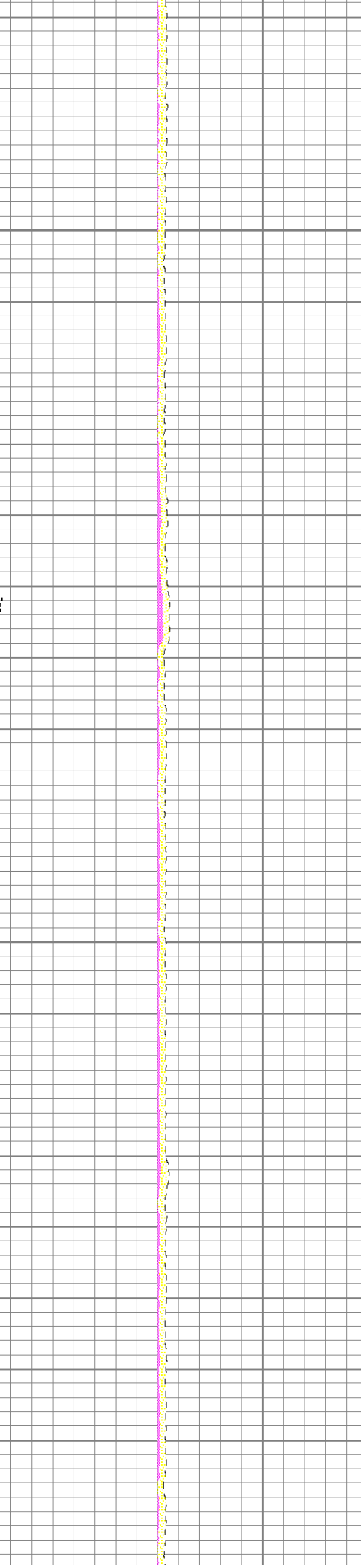
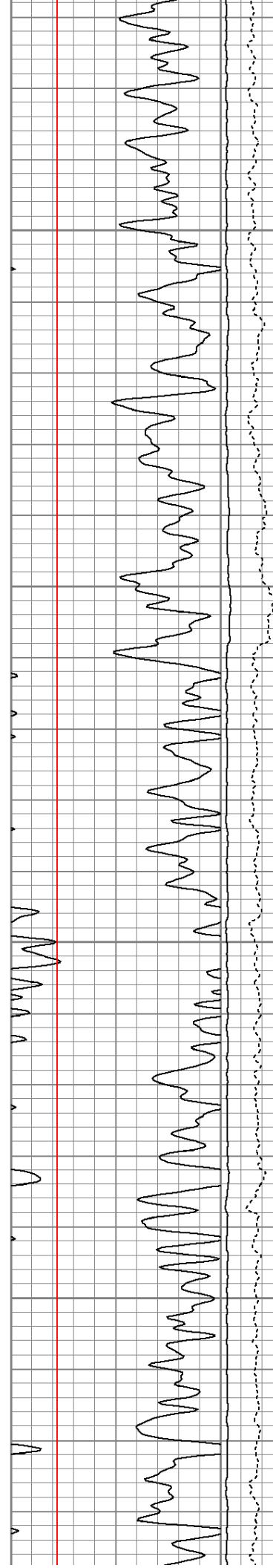
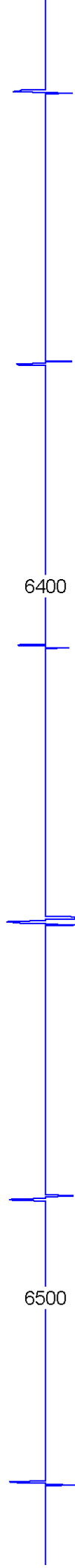


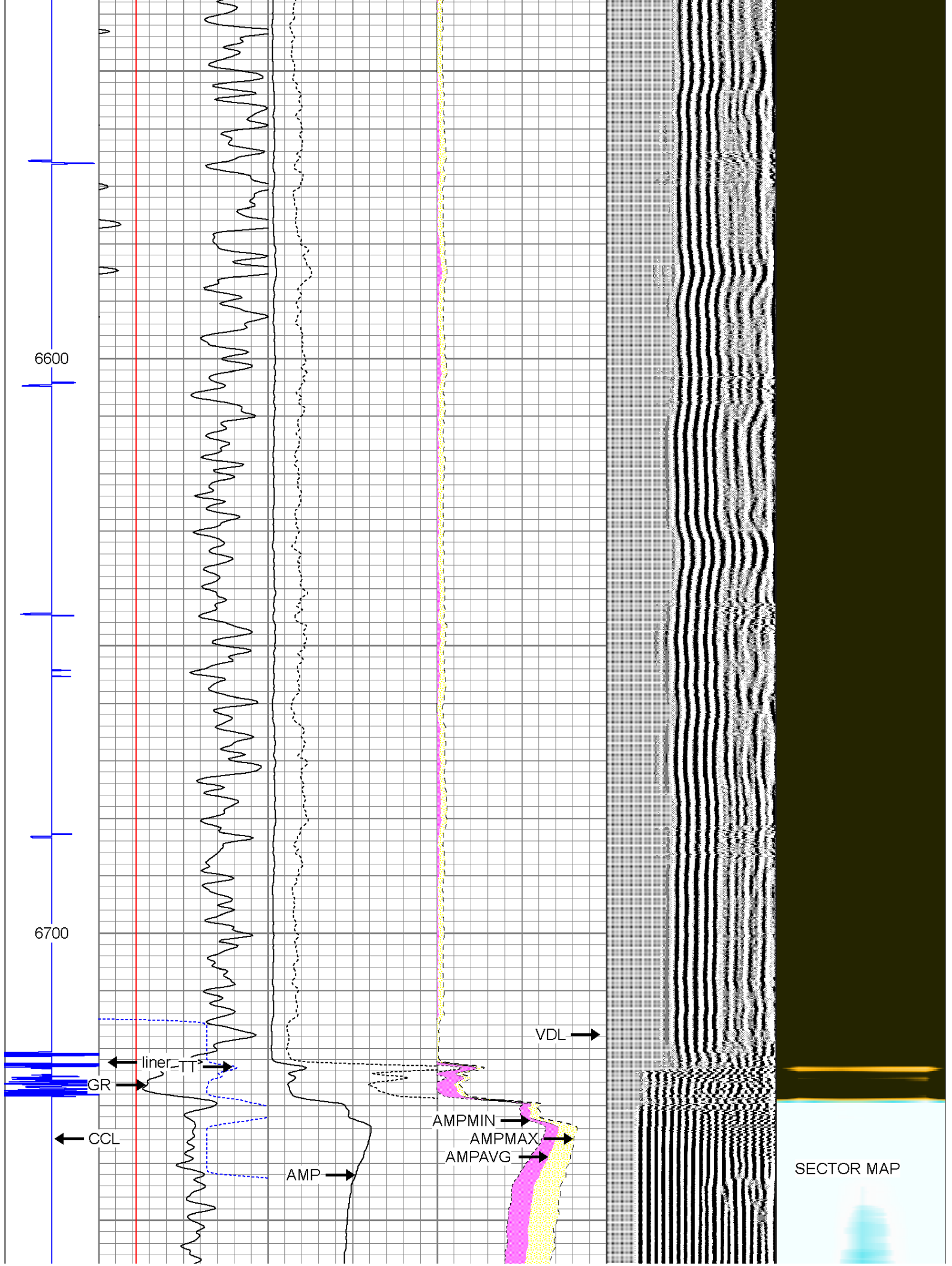












SECTOR MAP

