



CCM

ENERGY SERVICES

| | | | | | |
|---------|----------------|-------|----------|------|-----|
| Company | PDC ENERGY INC | | | | |
| Well | TOTEMS 34-24 | | | | |
| Field | WATTENBERG | | | | |
| County | WELD | State | COLORADO | | |
| AP#: | 05-123-21354 | | | | |
| WBS: | | | | | |
| 1/4'S: | SWSE | SEC | 24 | TWP: | 1N |
| | | | | RGE: | 68W |

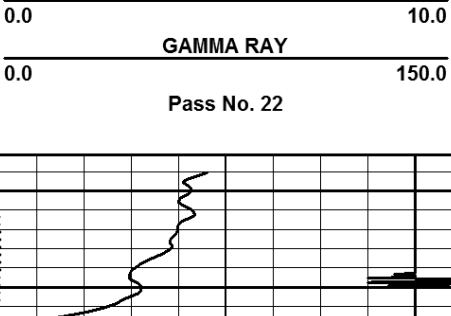
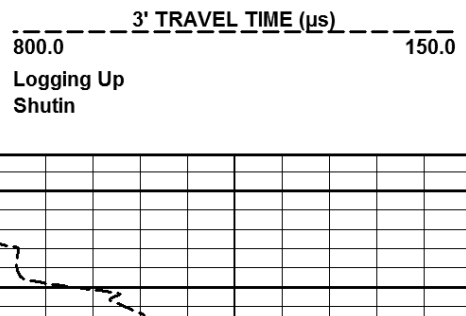
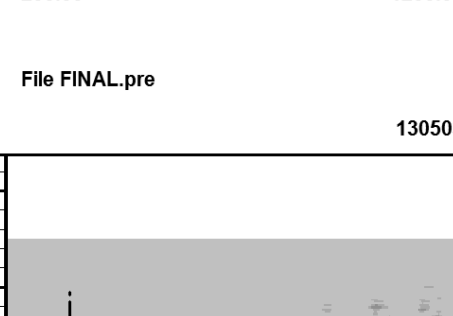
| Ground Level | | Elevation | |
|-------------------------------|----|------------------|------------|
| Ground level | KB | Feet Above Datum | Elev G.L. |
| 8-4-16 | | Gun Type | Gun Size |
| 1 | | Charge Type | Gram Wt. |
| 1500' | | Shots / Foot | From |
| NA | | | To |
| 1500' | | | # of Shots |
| SURFACE | | | |
| NA | | | |
| NA | | | |
| WATER | | | |
| 8.3 | | | |
| SURFACE | | | |
| 30001490 | | | |
| 222 | | | |
| J. JOHNSON | | | |
| MR. KEVIN BILLMAN | | | |
| Ryan Ludwar (307) 680 -8124 | | | |

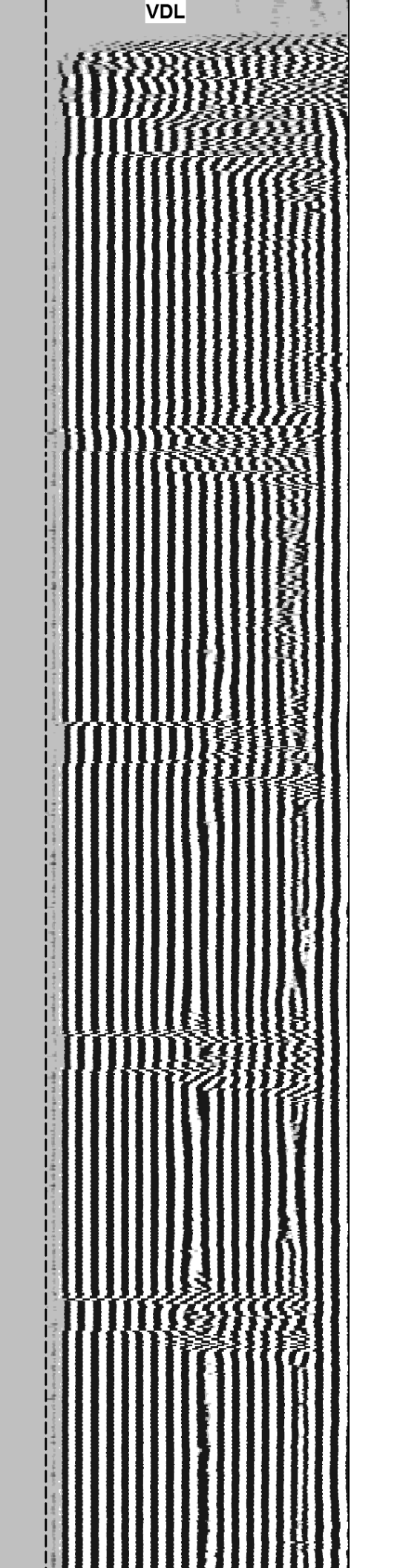
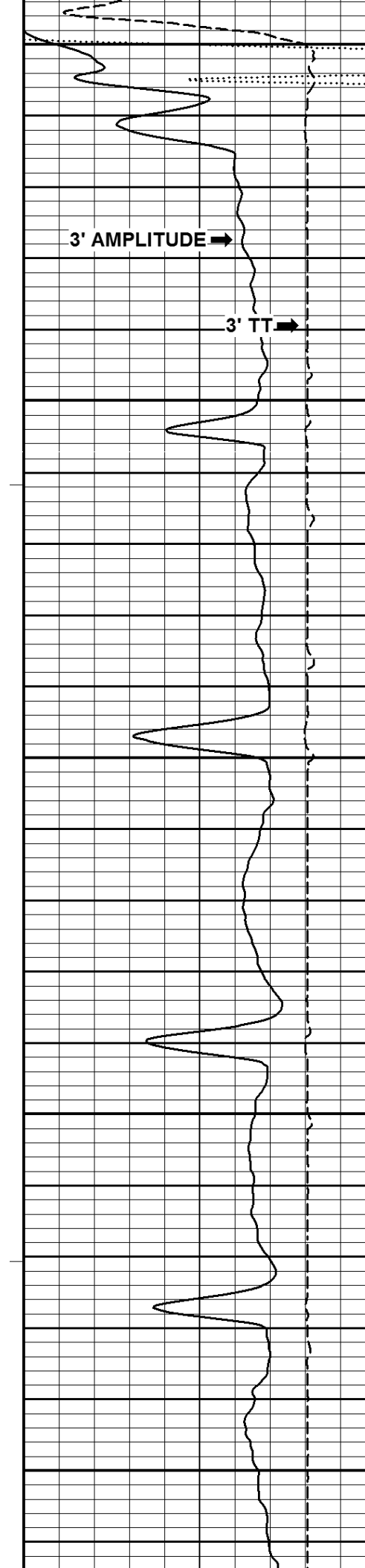
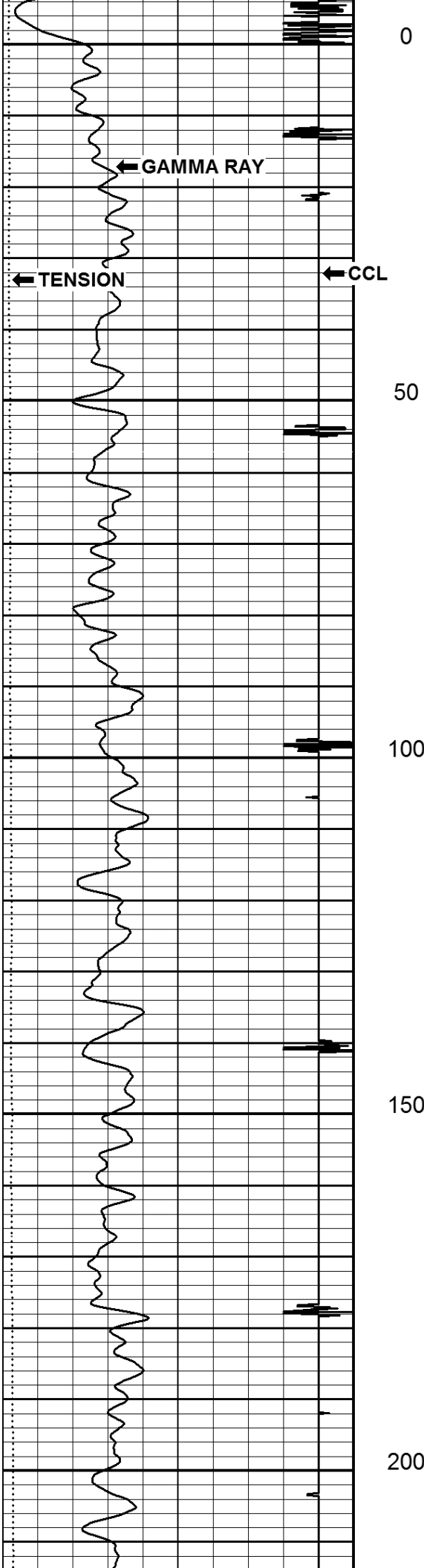
[illegible]

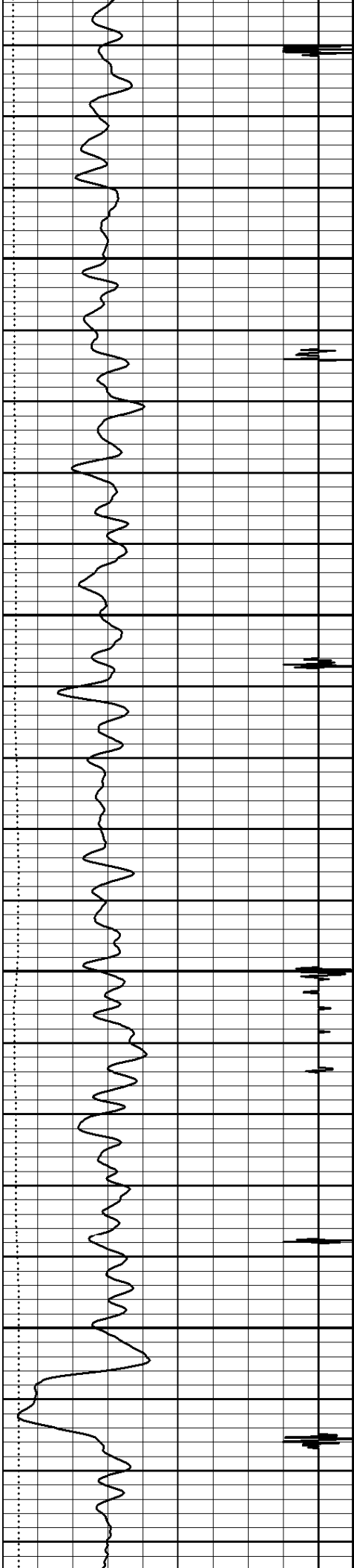
Remarks: NO CORRELATION LOG AVAILABLE

| | |
|---------------------------|--|
| Previous Well Information | |
| Depth Control Log | |
| Perforated | |
| Bridge Plug Set At | |
| Cement Retainer Set At | |
| Production Packer Set At | |

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall 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 our general terms and conditions as set out in our current price schedule.

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div> <div>2016-08-04 08:40</div> <div>Tension (lbF)</div> <div>0.002000.00</div> <div>COLLAR LOCATOR</div> <div>0.010.0</div> <div>GAMMA RAY</div> <div>0.0150.0</div> <div>Pass No. 22</div> </div> | <div>FEET</div> <div>1:240</div> <div>-23.65</div> | <div>3' AMPLITUDE (mV)</div> <div>0.0100.0</div> <div>AMPLITUDE X 5 (mV)</div> <div>0.020.0</div> <div>3' TRAVEL TIME (μs)</div> <div>800.0150.0</div> <div>Logging Up</div> <div>Shutin</div> | <div>FREE PIPE TIME (μs)</div> <div>200.01200.0</div> <div>5' VARIABLE DENSITY (μs)</div> <div>200.001200.00</div> <div>File FINAL.pre</div> <div>130503</div> |
|  | |  |  |



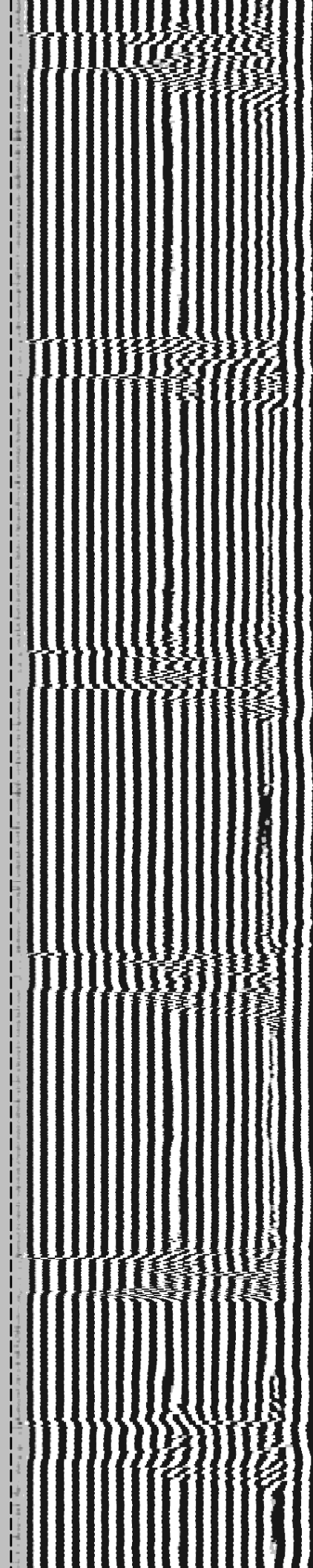
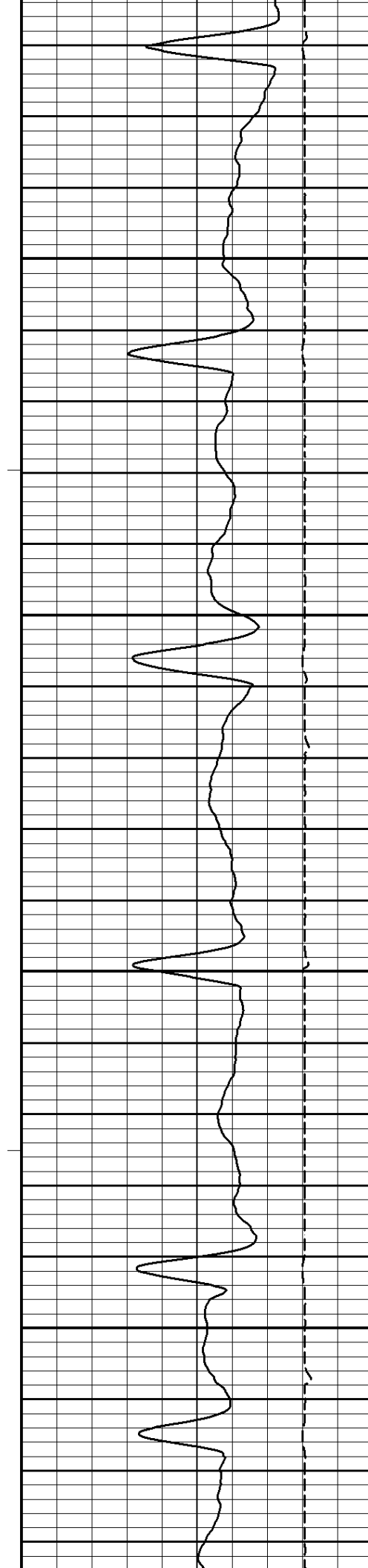


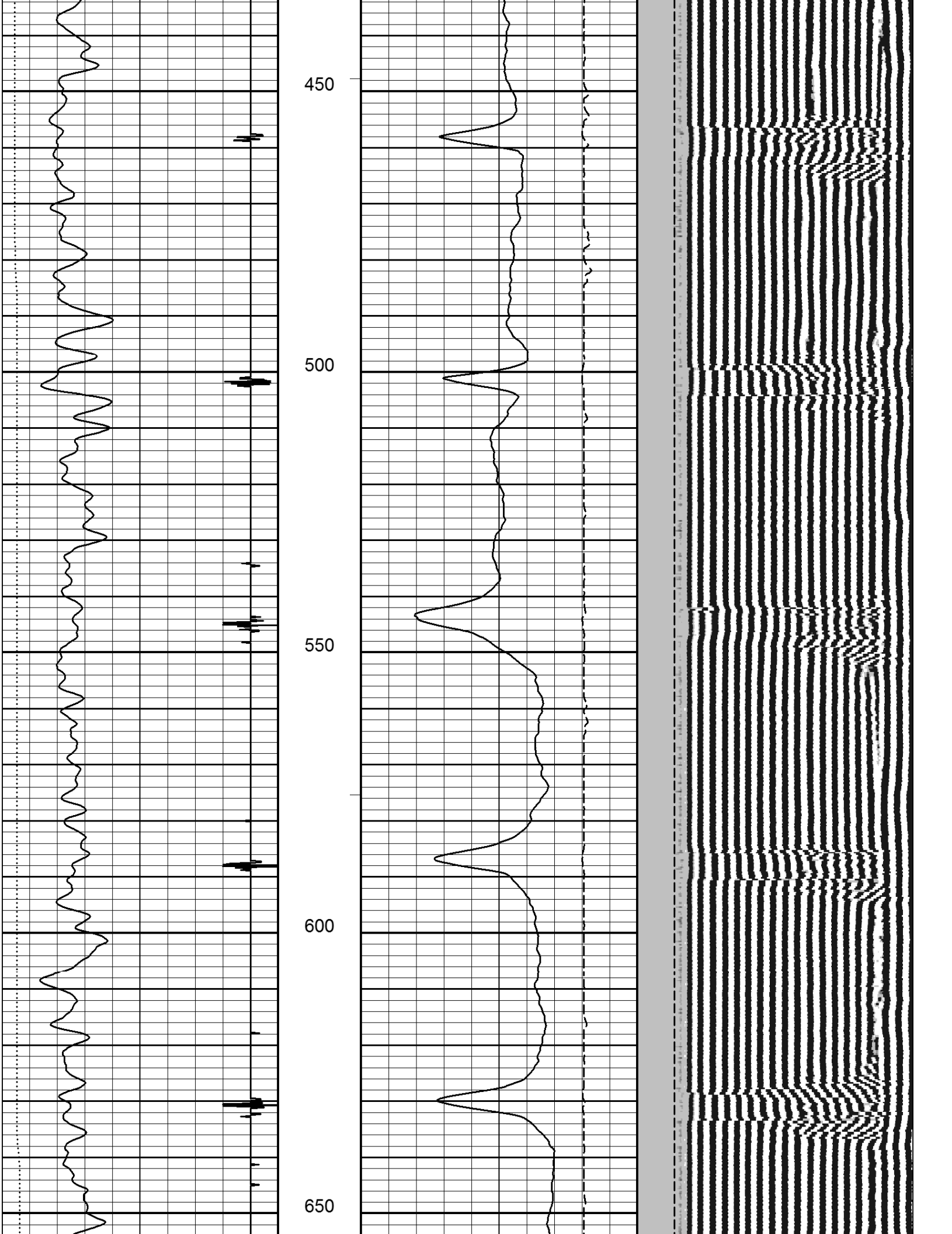
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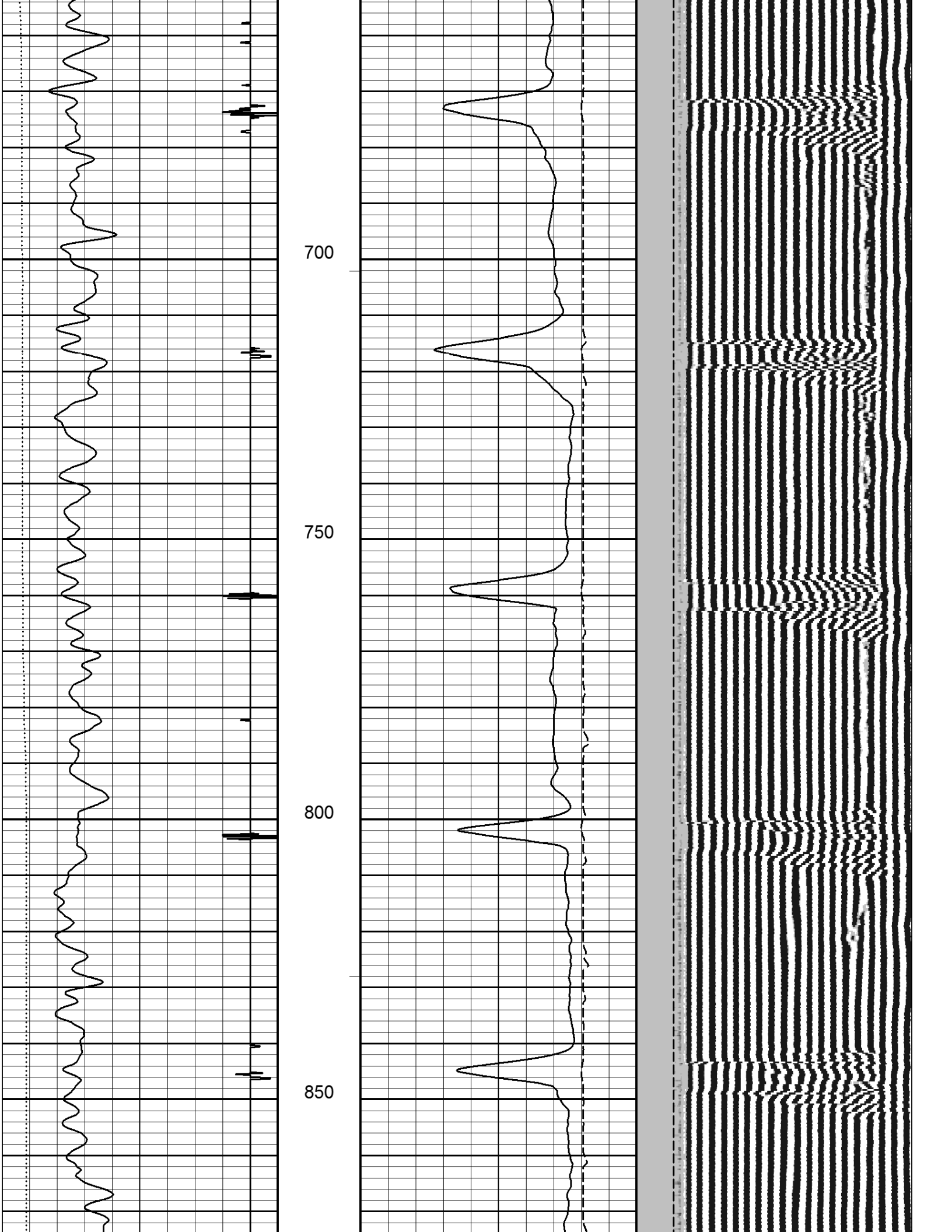
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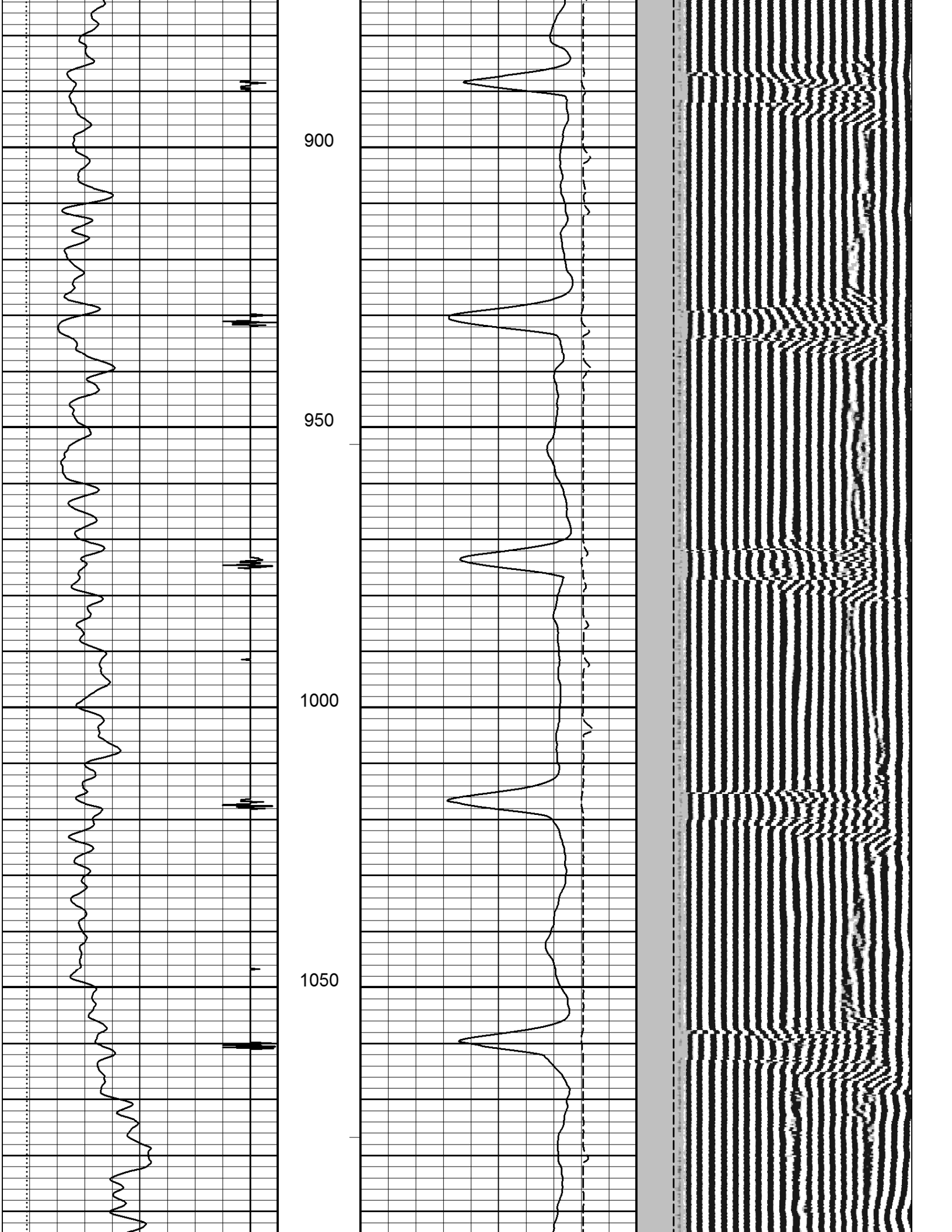
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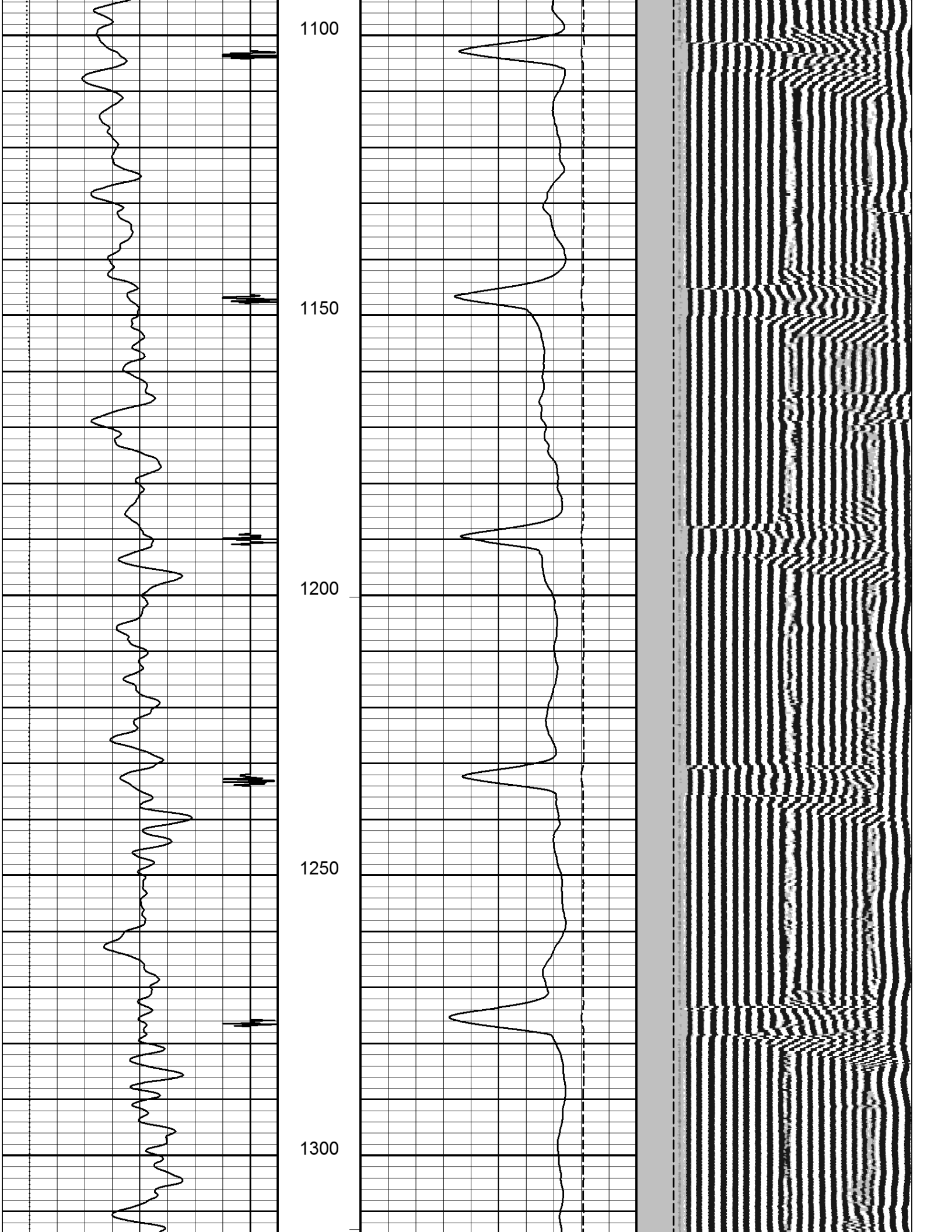
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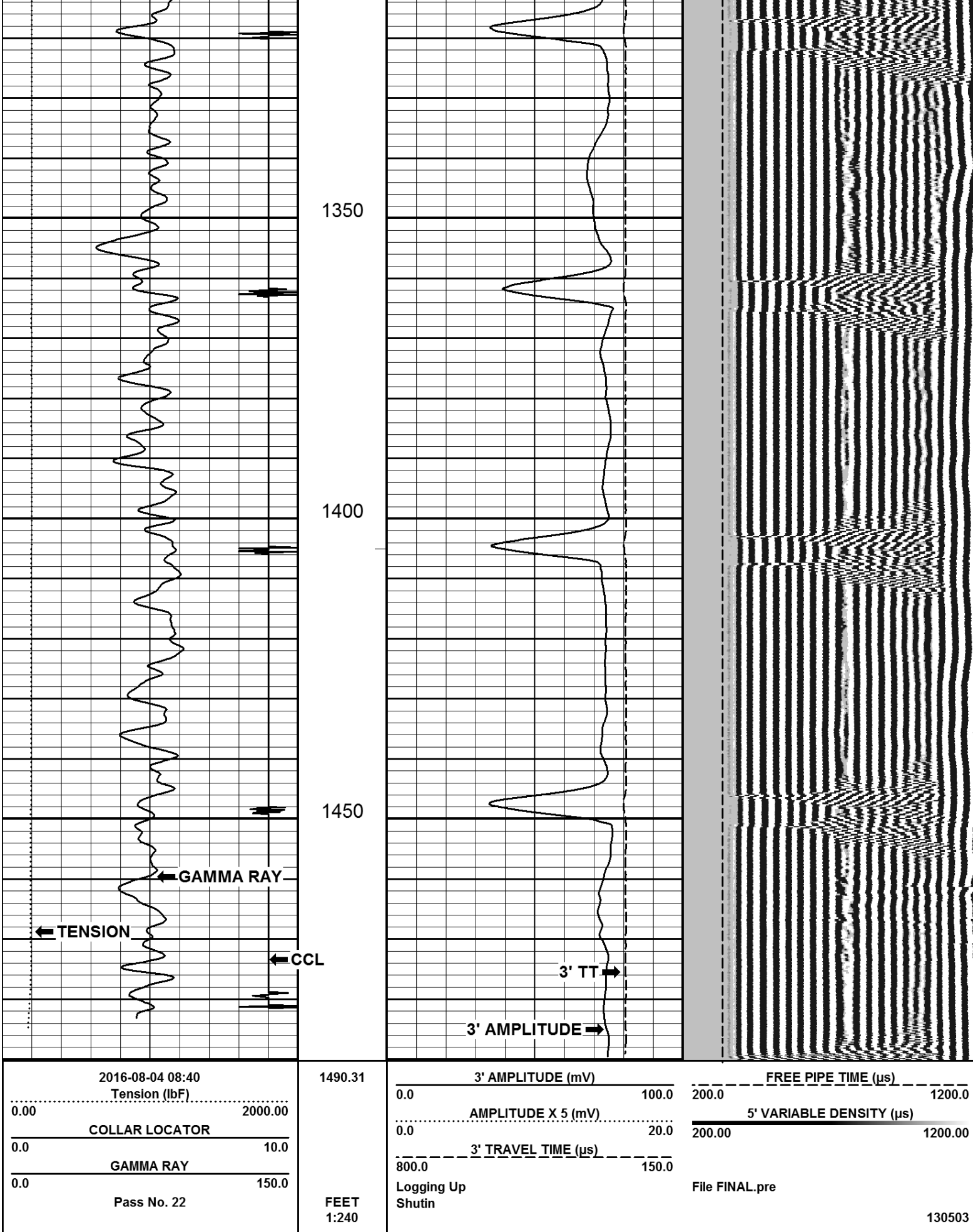














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Well TOTEMS 34-24

Field WATTENBERG

County WELD **State** COLORADO

1/4'S SWSE **SEC.** 24 **TWP.** 1N **RGE.** 68W