


| LWD MEMORY LOG   |  |  |  |  |  |          |  |                          |  |                |  |           |  |         |  |
|--|--|--|--|--|--|----------|--|--------------------------|--|----------------|--|-----------|--|---------|--|
| <div><div><div>BAKER HUGHES</div><div>a GE company</div></div><div></div></div> |  |  |  | Gamma Ray  |  |          |  |                          |  |                |  |           |  |         |  |
| Scale:   |  |  |  | Company: ConocoPhillips                          |  |          |  |                          |  |                |  |           |  |         |  |
| 1:1200 MD  |  |  |  | Well: BIG_SANDY_3-65_36-31_2CH                   |  |          |  |                          |  |                |  |           |  |         |  |
| Depth Reference:   |  |  |  | Field: Adams County                              |  |          |  |                          |  |                |  |           |  |         |  |
| Driller's Depth  |  |  |  | County: Adams County Country: United States      |  |          |  |                          |  |                |  |           |  |         |  |
| State: Colorado  |  |  |  | Other Services:                                  |  |          |  |                          |  |                |  |           |  |         |  |
| Status: Final Print  |  |  |  | Surface Location: Latitude: Longitude:           |  |          |  | Directional              |  |                |  |           |  |         |  |
| API No: 05001100730000   |  |  |  | Elevation: 5524.00 ft                            |  |          |  | Elev. KB: 5549.00 ft     |  |                |  |           |  |         |  |
| Job ID: 8976721  |  |  |  | Above P.D. 25.00 ft                              |  |          |  | Elev. DF: 5524.00 ft     |  |                |  |           |  |         |  |
| Permanent Datum (P.D.): Ground Level   |  |  |  | Elev. GL: 5524.00 ft                             |  |          |  | N/A                      |  |                |  |           |  |         |  |
| Log Measured From: Rig Floor   |  |  |  |  |  |          |  |                          |  |                |  |           |  |         |  |
| Dates  |  |  |  | Interval Logged                                  |  |          |  | Magnetic Field Reference |  |                |  |           |  |         |  |
| Date From: 2018-03-04 Top: (ft) 2098.00  |  |  |  | Azi Reference North: True Dip Angle: (deg) 66.34 |  |          |  |                          |  |                |  |           |  |         |  |
| Date To: 2018-03-07 Bottom: (ft) 18363.00  |  |  |  | Total Magnetic Field Strength: (nT) 51783        |  |          |  |                          |  |                |  |           |  |         |  |
| Spud Date: 2018-03-03  |  |  |  | Mag to Reference North Correction: (deg) 8.35 E  |  |          |  |                          |  |                |  |           |  |         |  |
| Borehole Record  |  |  |  | Casing Record                                    |  |          |  |                          |  |                |  |           |  |         |  |
| Hole Size (in)   |  |  |  | From (ft)  |  | To (ft)  |  | Size (in)                |  | Weight (lb/ft) |  | From (ft) |  | To (ft) |  |
| 13.500   |  |  |  | 25.00  |  | 2108.00  |  | 9.625                    |  | 36.00          |  | 25.00     |  | 2098.00 |  |
| 8.500  |  |  |  | 2108.00  |  | 18415.00 |  |                          |  |                |  |           |  |         |  |
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|                  | No. | Depth<br>(ft) | Type          | (ppg) | (cP) |   | Loss<br>(cm3) | Water     |            | Chlorides<br>(ppm) | (%)  |
|------------------|-----|---------------|---------------|-------|------|---|---------------|-----------|------------|--------------------|------|
| 2018-03-04 13:48 | 1   | 2108.00       | Oil Based Mud | 10.0  | 19   | 0 | 5.2           | 63.5/36.5 | Active Pit | 73000              | 0.00 |
| 2018-03-06 00:48 | 2   | 4538.00       | Oil Based Mud | 10.0  | 19   | 0 | 5.2           | 63.5/36.5 | Active Pit | 63000              | 0.00 |
| 2018-03-08 07:54 | 2   | 10989.01      | Oil Based Mud | 9.5   | 16   | 0 | 2.4           | 67.8/32.2 | Active Pit | 68000              | 0.00 |
| 2018-03-09 04:59 | 2   | 14218.63      | Oil Based Mud | 9.7   | 17   | 0 | 2.6           | 70.3/29.7 | Active Pit | 59000              | 0.00 |

| Mud Resistivity Record |         |                        |                        | Surface       |                |                |                | Downhole             |                       |                       |  |
|------------------------|---------|------------------------|------------------------|---------------|----------------|----------------|----------------|----------------------|-----------------------|-----------------------|--|
| Date / Time            | Run No. | Measured Depth<br>(ft) | Surface Temp<br>(degF) | Rm<br>(ohm.m) | Rmf<br>(ohm.m) | Rmc<br>(ohm.m) | BHCT<br>(degF) | Rm @ BHCT<br>(ohm.m) | Rmf @ BHCT<br>(ohm.m) | Rmc @ BHCT<br>(ohm.m) |  |
| 2018-03-10 05:17       | 2       | 18415.00               | 144.0                  | 100.000       | N/A            | N/A            | 250.0          | 100.000              | N/A                   | N/A                   |  |


| Equipment and Service Data |         |               |                      |                       |                    |                  |                  |  |  |
|----------------------------|---------|---------------|----------------------|-----------------------|--------------------|------------------|------------------|--|--|
| Run No.                    | Tool    | Serial Number | Measurement          | Sensor Offset<br>(ft) | Bit Offset<br>(ft) | Max O.D.<br>(in) | Min I.D.<br>(in) |  |  |
| 1                          | ATC_SU  | 12232313      | Near Bit Inclination | 5.93                  | 6.93               | 7.000            | 4.330            |  |  |
| 1                          | ATC_SU  | 12232313      | Near Bit VSS         | 5.93                  | 6.93               | 7.000            | 4.330            |  |  |
| 1                          | ATC_MWD | 14281551      | Gamma (single)       | 2.77                  | 13.10              | 7.000            | 3.250            |  |  |
| 1                          | ATC_MWD | 14281551      | Directional (mag)    | 12.27                 | 22.60              | 7.000            | 3.250            |  |  |
| 2                          | ATC_SU  | 14186736      | Near Bit Inclination | 5.93                  | 6.93               | 7.000            | 4.330            |  |  |
| 2                          | ATC_SU  | 14186736      | Near Bit VSS         | 5.93                  | 6.93               | 7.000            | 4.330            |  |  |
| 2                          | ATC_MWD | 12914616      | Gamma (single)       | 2.75                  | 13.10              | 7.000            | 3.250            |  |  |
| 2                          | ATC_MWD | 12914616      | Directional (mag)    | 12.27                 | 22.62              | 7.000            | 3.250            |  |  |

| Service and Tool Mnemonics |          |                               |
|----------------------------|----------|-------------------------------|
| Mnemonic                   | Name     | Description                   |
| ATC_SU                     | ATC_SU   | Auto Trak Curve Steering Unit |
| ATC_MWD                    | ATC_MWD  | Auto Trak Curve MWD           |
| ATC_LCPM                   | ATC_LCPM | Auto Trak Curve LCPM          |

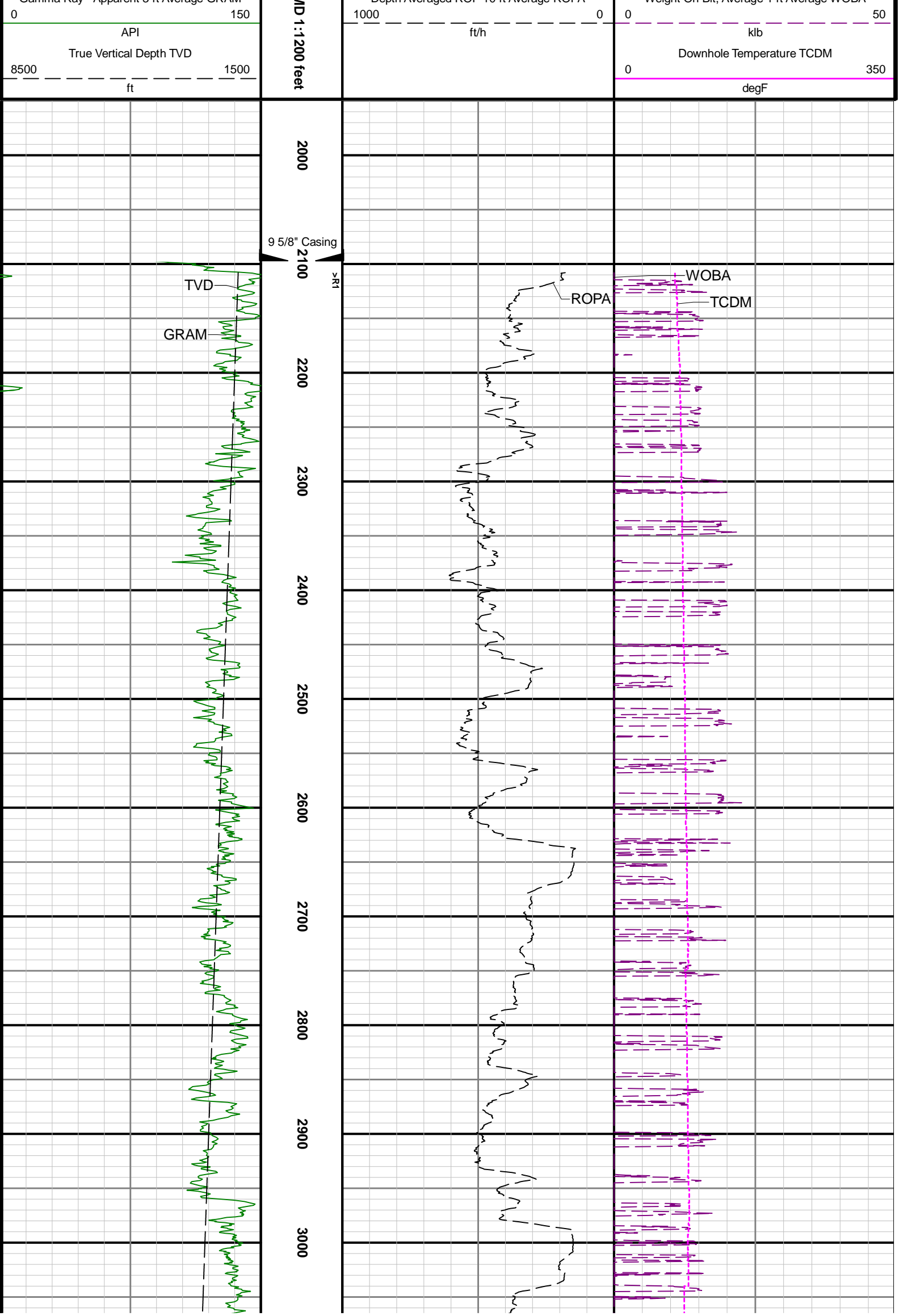
| Comments |  |
|----------|--|
| 1        | Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes Drilling Services. Due to the lack of control by Baker Hughes logging engineers, depth calibrations and measurements could not be independently verified and the unverified depths as supplied to Baker Hughes are being used to present logging data. |
| 2        | Baker Hughes LWD Runs 1, and 2 utilized a 6.75 inch NaviGamma Service (Directional and Gamma Ray) behind an 8.5 inch bit and Rotary Steerable Assembly from 2108 to 18415 feet MD (2108 to 7570 feet TVD).   |

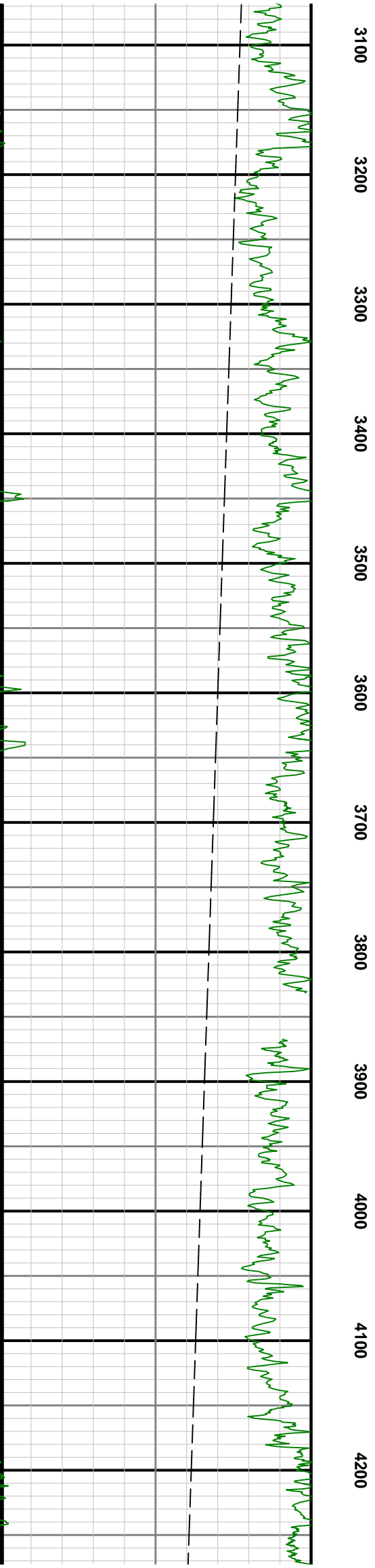
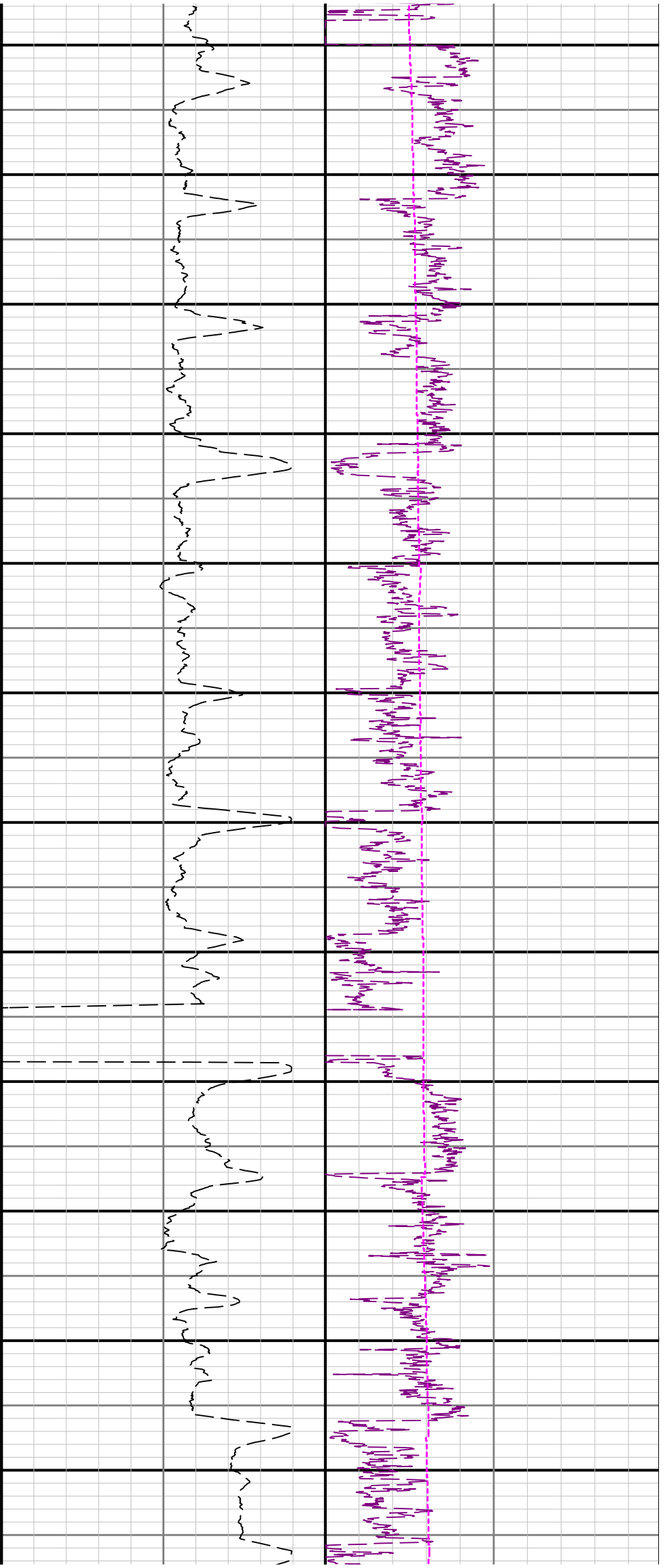
| Remarks |                        |                      |         |   |
|---------|------------------------|----------------------|---------|---|
| Number  | Measured Depth<br>(ft) | Hole Section<br>(in) | Run No. | Remark  |
| 1       | 18400.00               | 8.500                | 2       | The interval from 18363 to 18415 feet MD (7570 to 7571 feet TVD) was not logged due to the sensor to bit offset at well TD. |

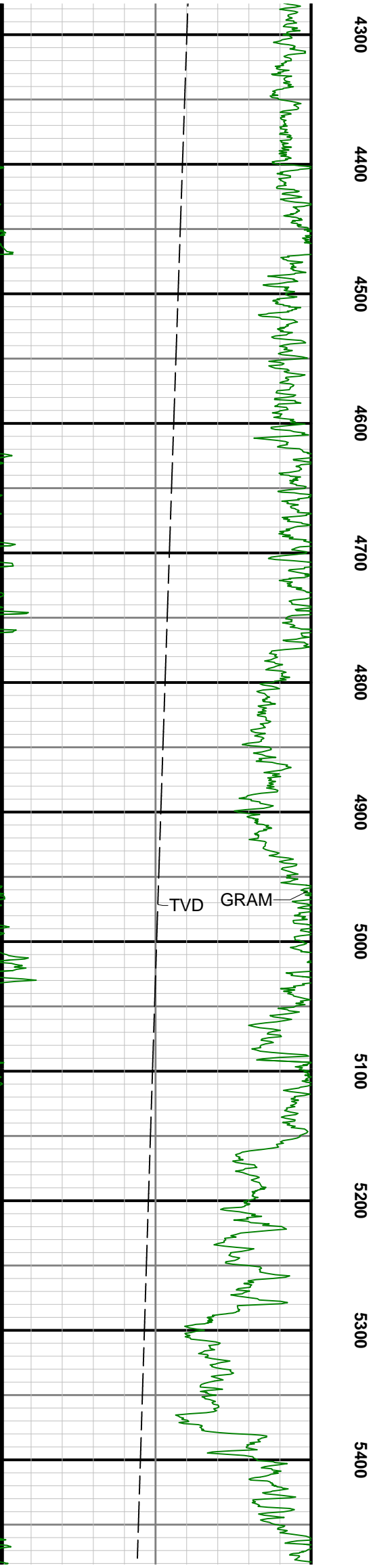
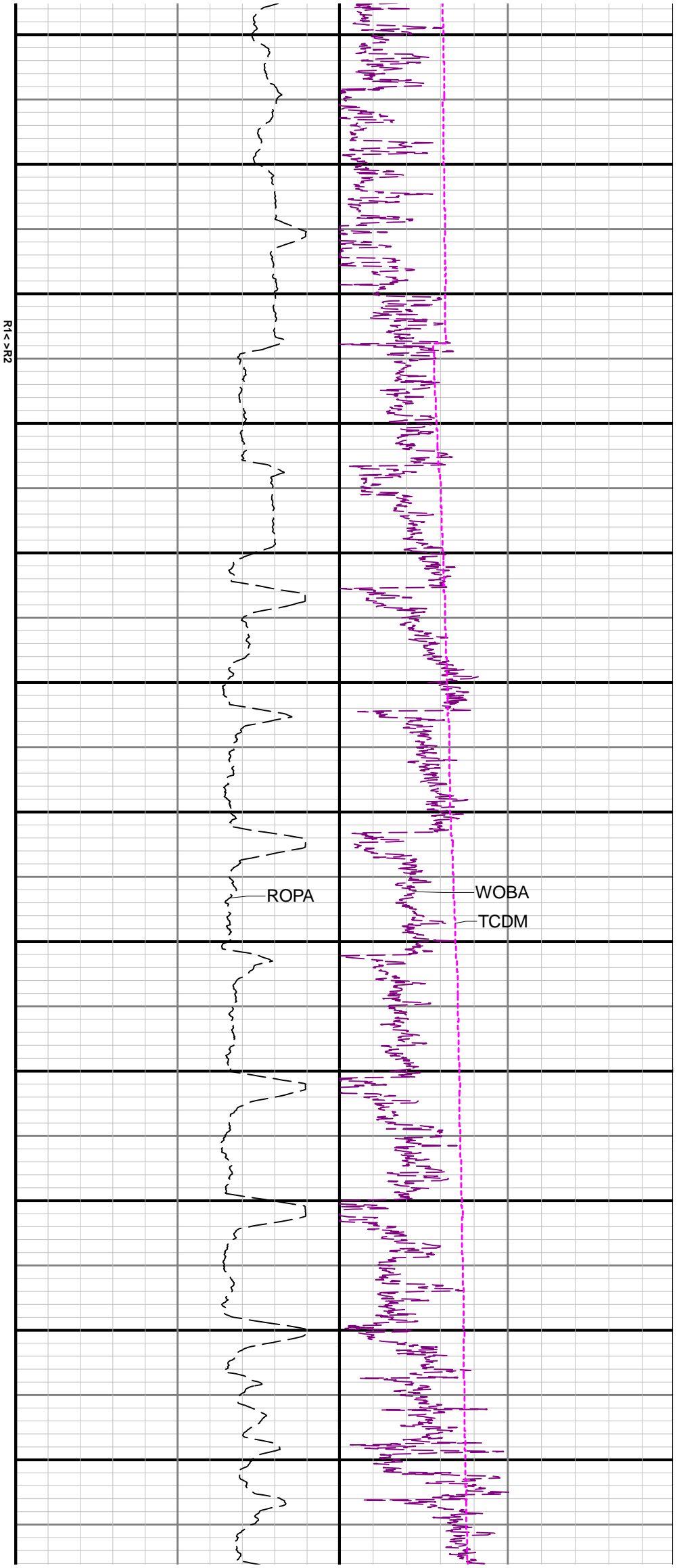
| Curve Mnemonics  |  |       |
|------------------|--|-------|
| Presented Curves | Description                                | Units |
| ROPA             | Depth Averaged ROP 10 ft Average           | ft/h  |
| TVD              | True Vertical Depth                        | ft    |
| WOBA             | Weight On Bit, Average 1 ft Average        | klb   |
| GRAM             | Gamma Ray - Apparent - Memory 3 ft Average | API   |
| TCDM             | Downhole Temperature                       | degF  |

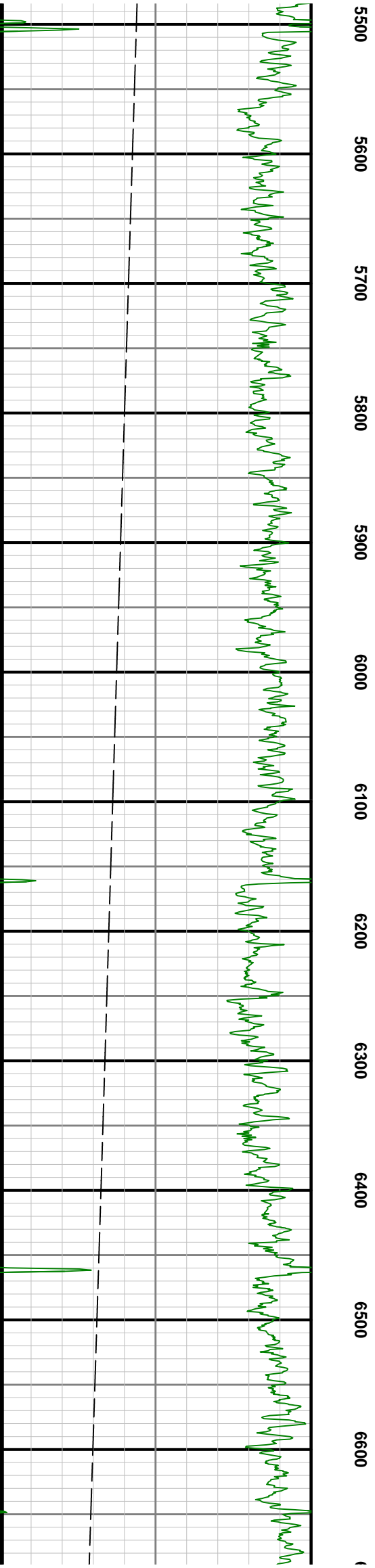
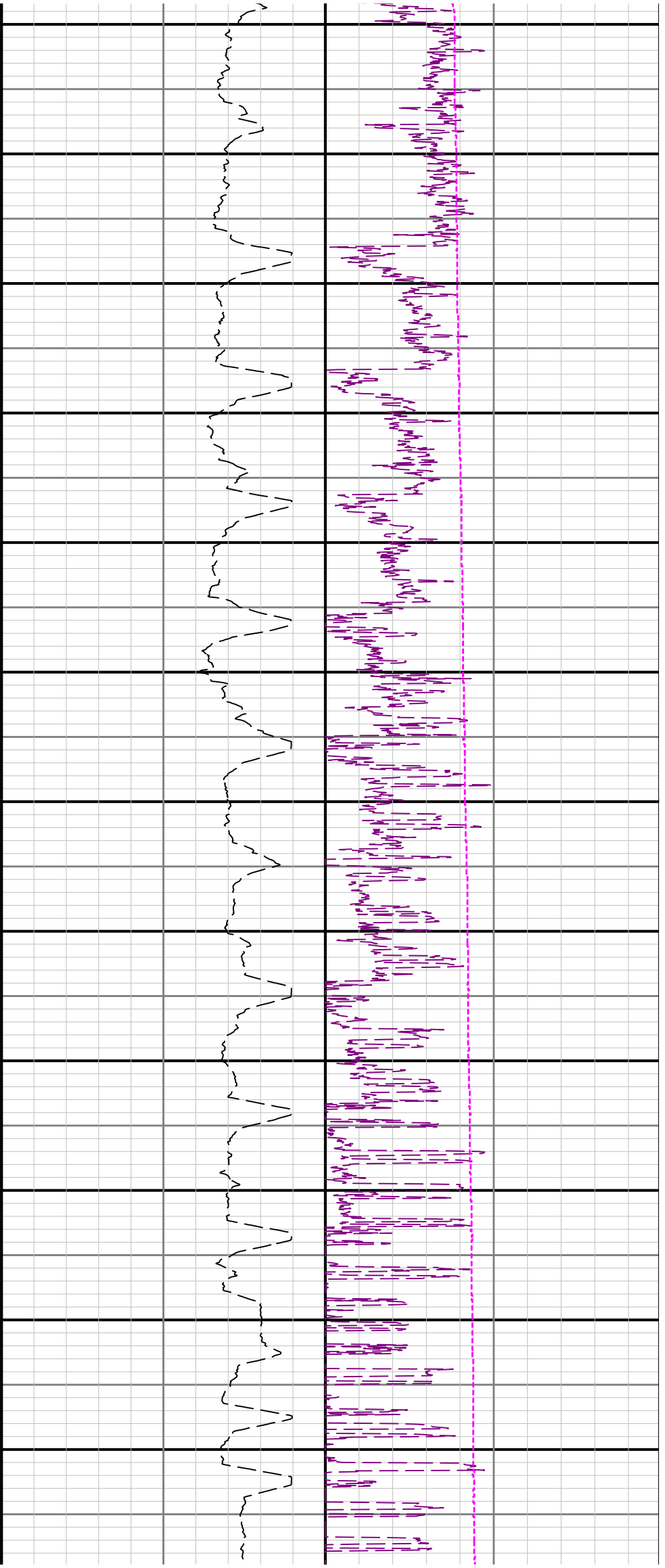
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|--|---------------------|--------------------------|---------------------|---------|---------|
| <div><div><div>BAKER HUGHES</div><div>a GE company</div></div><div></div></div> | Company             | ConocoPhillips           |                     |         |         |
|  | Well                | BIG_SANDY_3-65_36-31_2CH |                     |         |         |
|  | Interval            | Date From:               | 2018-03-04 15:14:46 | Top:    | 2098.00 |
|  |                     | Date To:                 | 2018-03-07 02:19:52 | Bottom: | 7758.00 |
| Created  | 2018-03-11 11:27:39 |                          |                     |         |         |

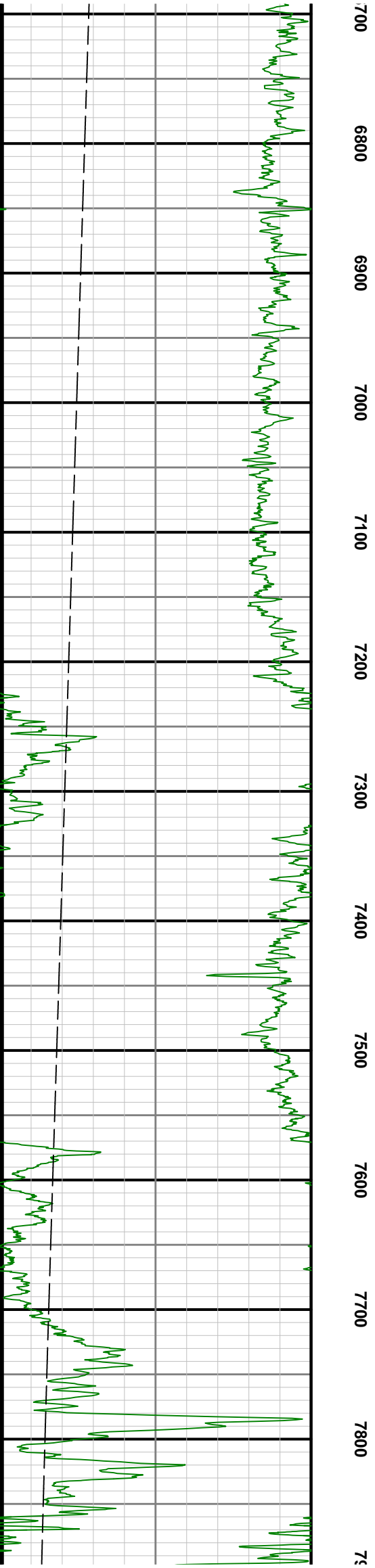
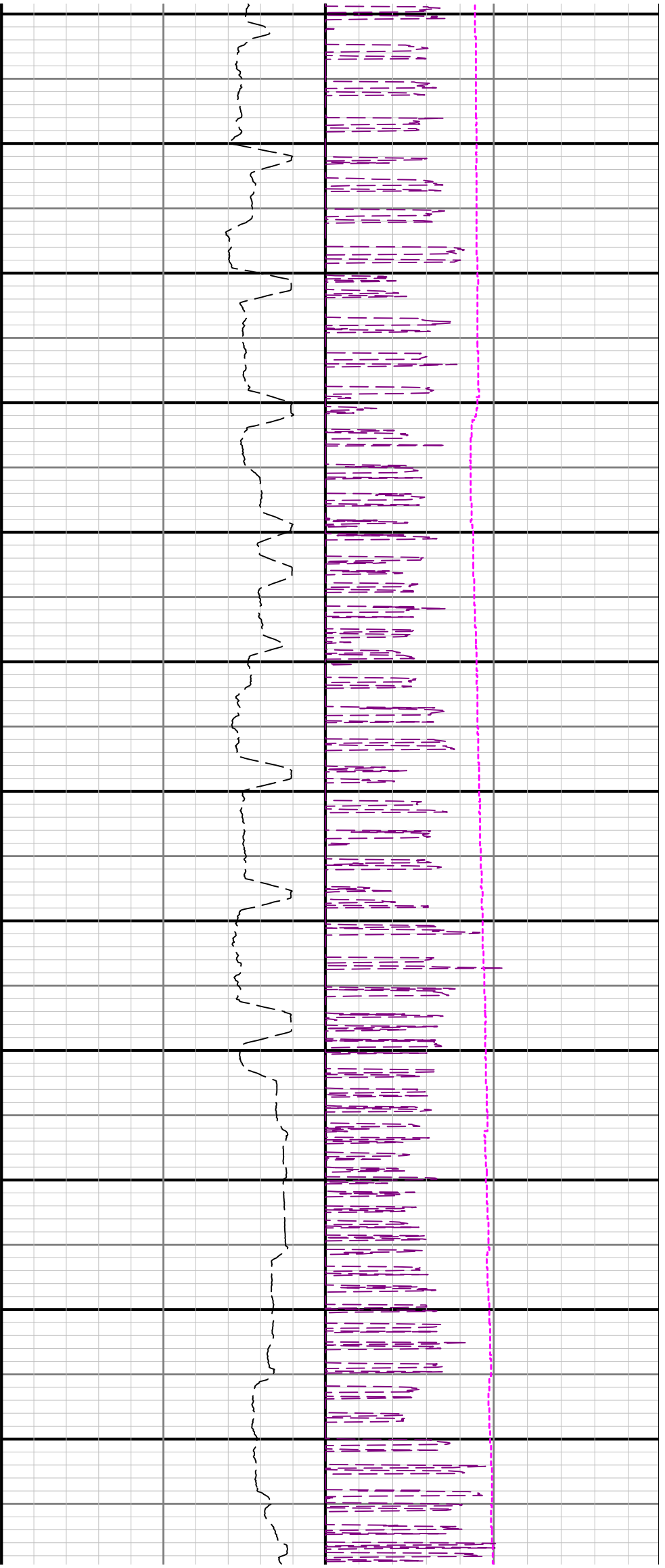
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|--|---|---------------------------------------|--|
| Gamma Ray - Apparent 3 ft Average GRAM | ≡ | Depth Averaged ROP 10 ft Average ROPA | Weight On Bit, Average 1 ft Average WOBA |
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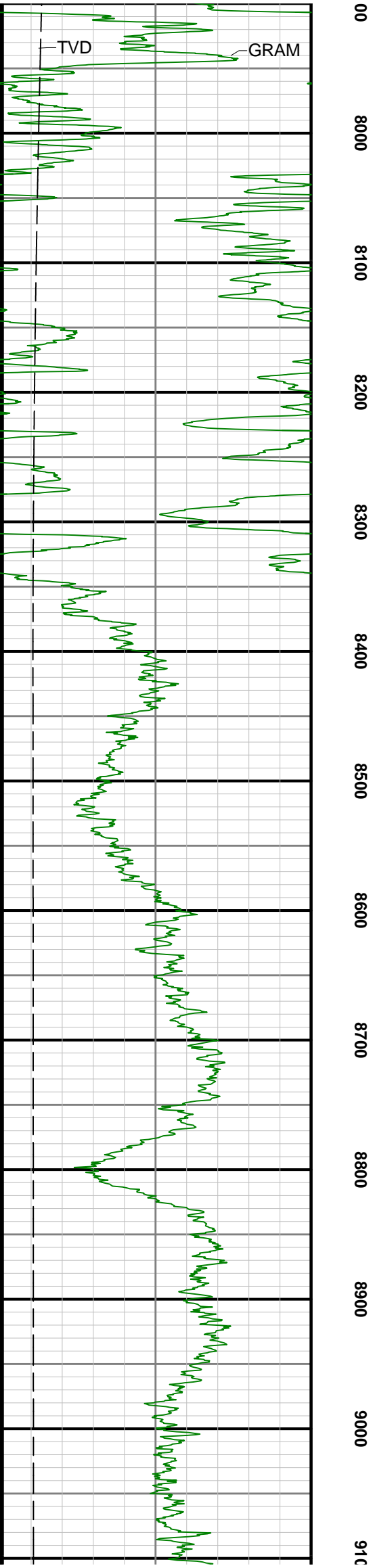
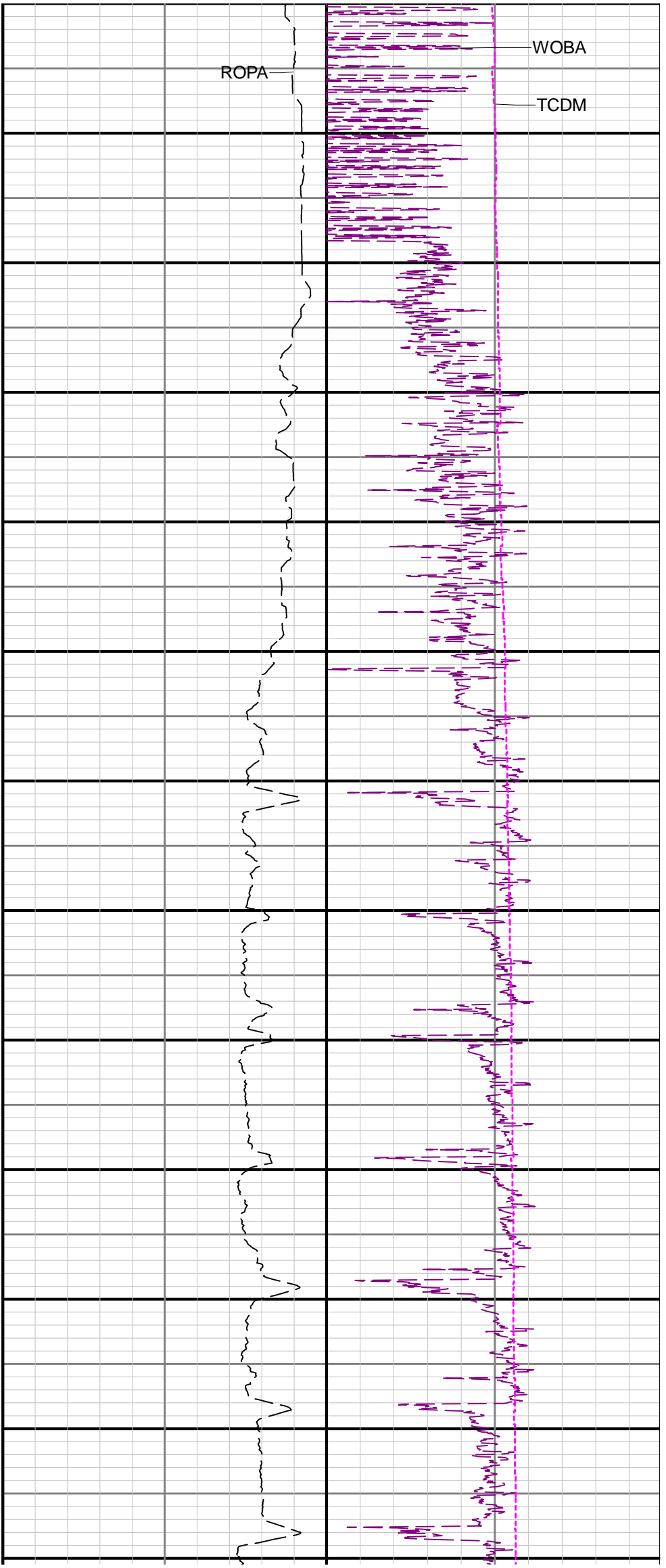


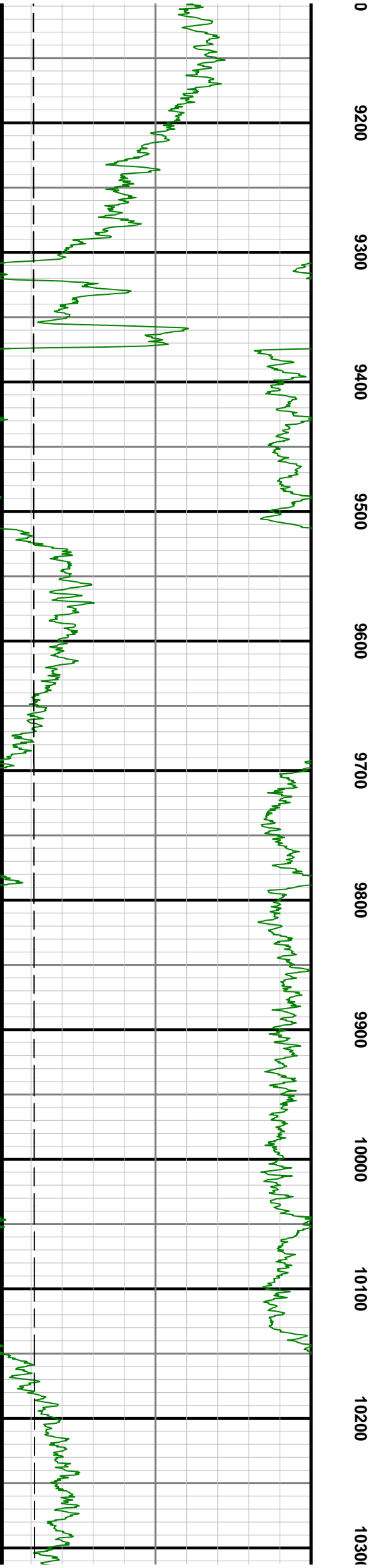
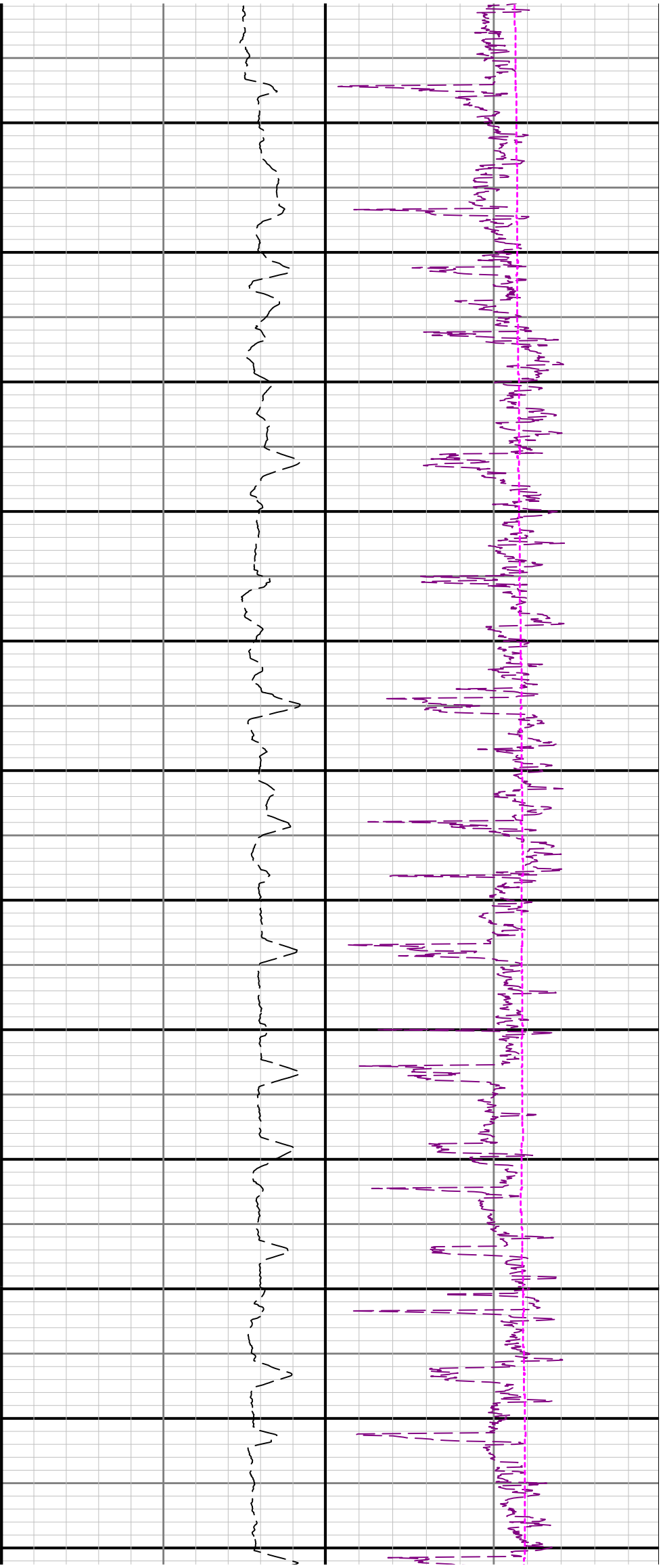


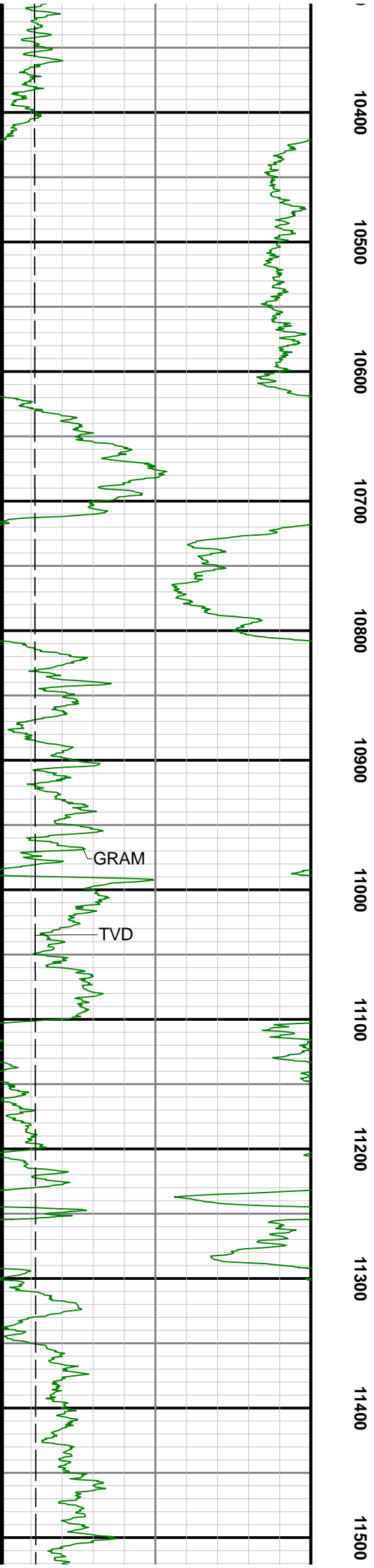
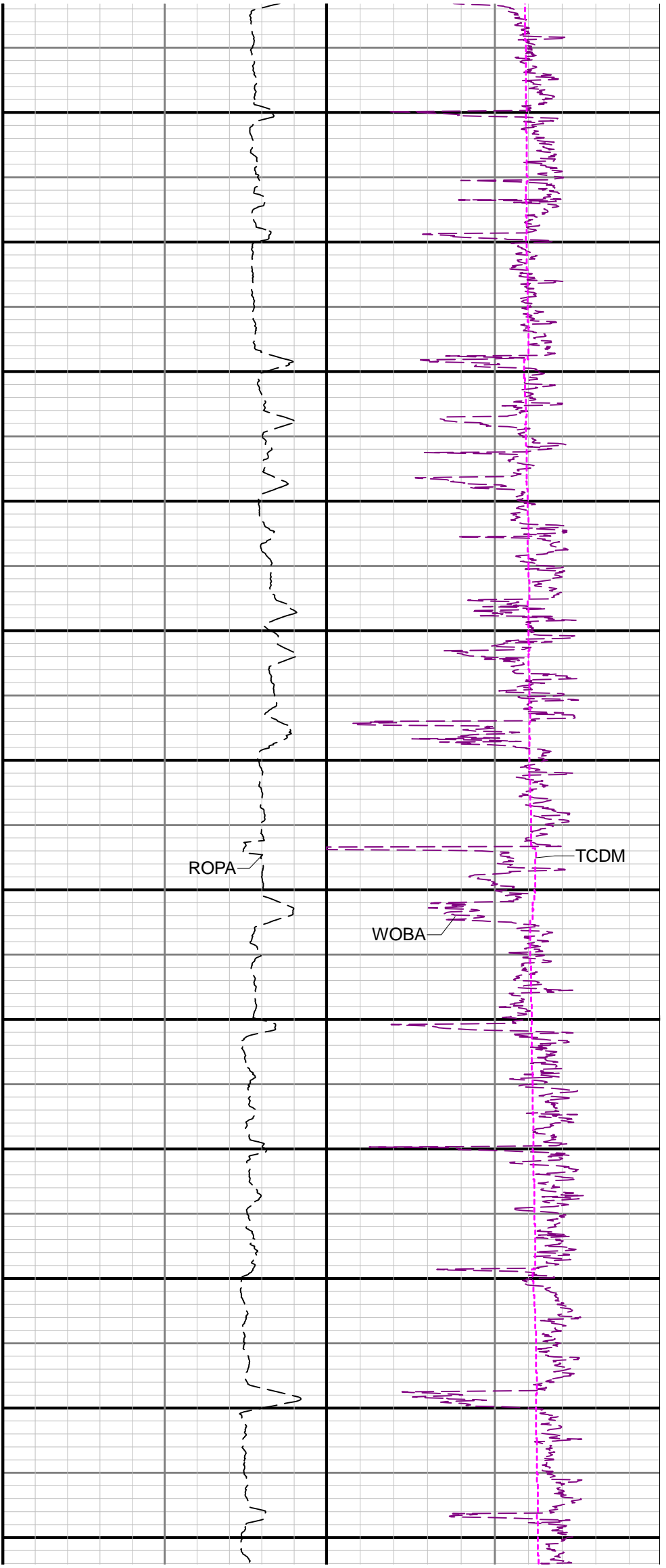


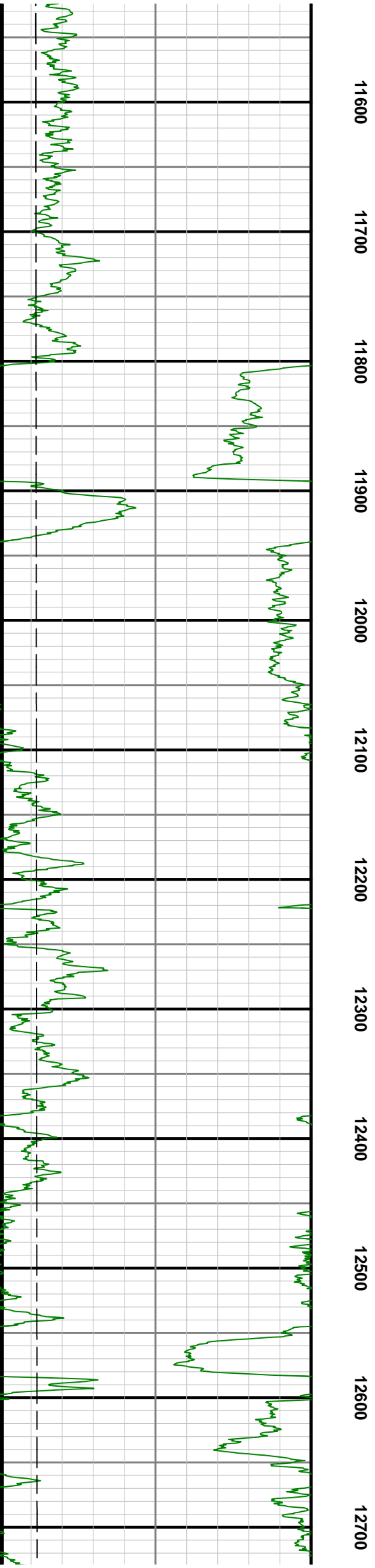
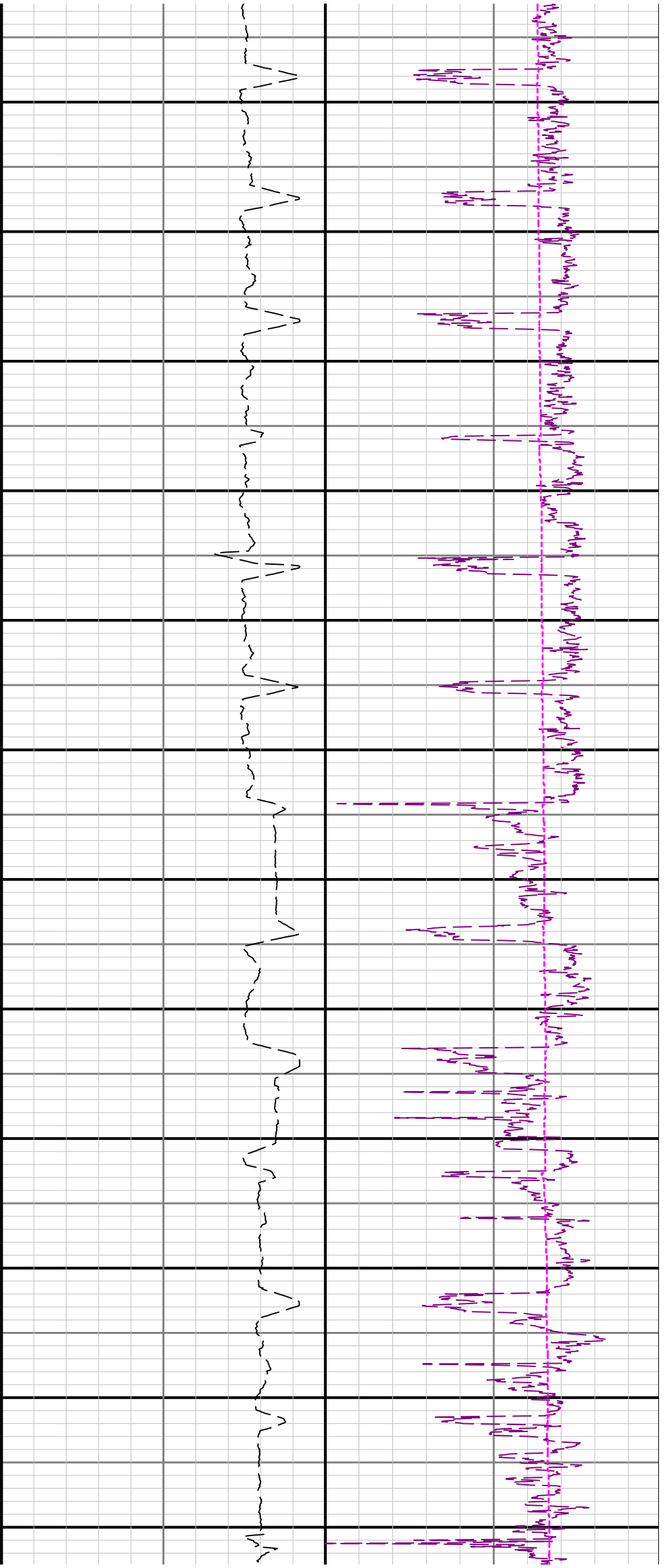


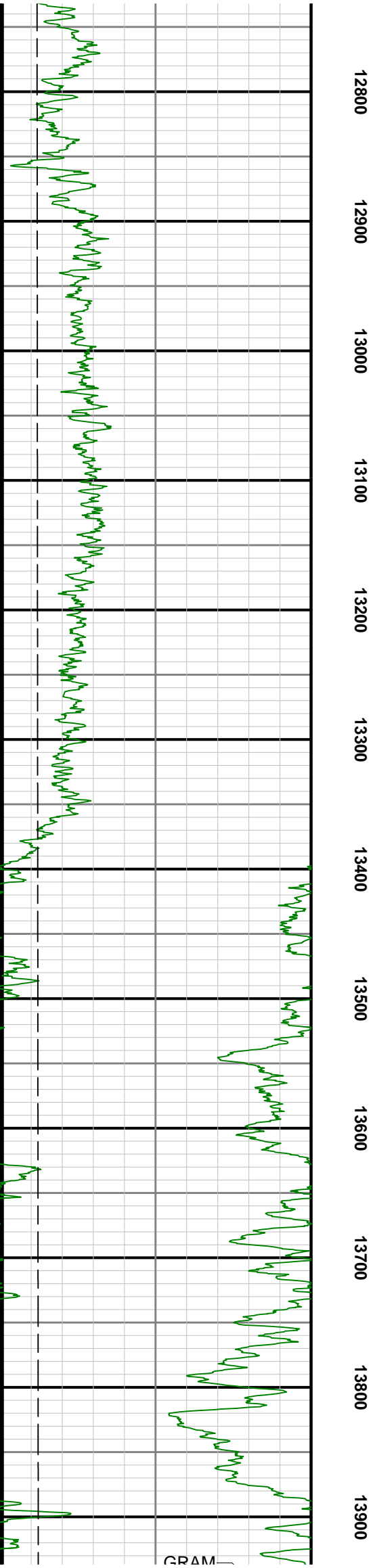
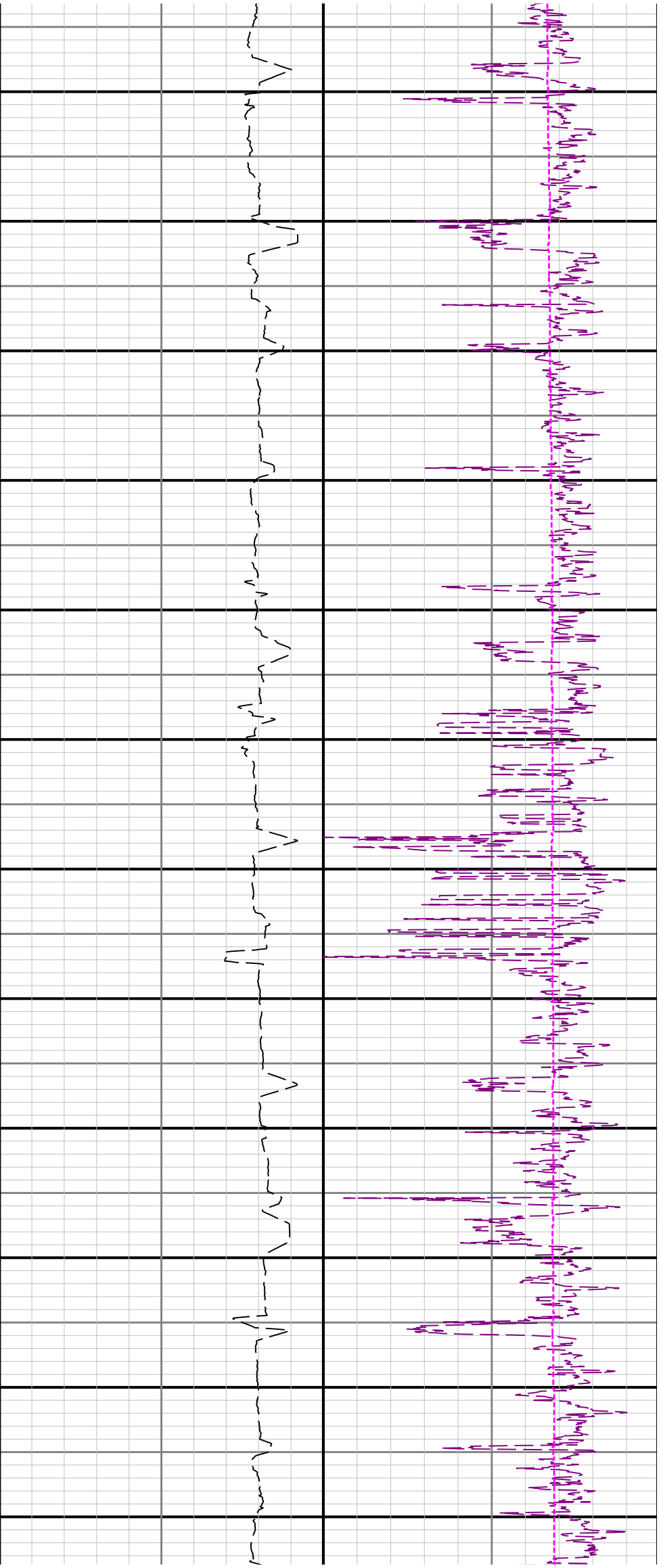












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