



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company MG Oil, Inc.
 Well Lawrence Unit #15-2
 Field N&J
 County Lane
 State Kansas

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Location: API #: 15-101-22659-00-00
 SE SE SE NW
 2400 FNL & 2453 FWL
 SEC 15 TWP 16S RGE 28W
 Permanent Datum Ground Level Elevation 2576
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing
 Other Services
 DIL
 MEL/BHCS
 K.B. 2584
 D.F.
 G.L. 2576

| | | | | | | | |
|------------------------|--------------|------|-----|-------|------|------|-----|
| Date | 10/25/2021 | | | | | | |
| Run Number | One | | | | | | |
| Type Log | CNL/CDL | | | | | | |
| Depth Driller | 4510 | | | | | | |
| Depth Logger | 4509 | | | | | | |
| Bottom Logged Interval | 4488 | | | | | | |
| Top Logged Interval | 3400 | | | | | | |
| Type Fluid In Hole | Chemical | | | | | | |
| Salinity, PPM CL | 2300 | | | | | | |
| Density | 9.3 | | | | | | |
| Level | Full | | | | | | |
| Max. Rec. Temp. F | 121 | | | | | | |
| Operating Rig Time | 4 Hours | | | | | | |
| Equipment -- Location | P-108 HAYS | | | | | | |
| Recorded By | T. Martin | | | | | | |
| Witnessed By | Chad Counts | | | | | | |
| Borehole Record | | | | | | | |
| Run No. | Bit | From | To | Size | Wgt. | From | To |
| One | 12.25 | 00 | 264 | 8.625 | 23# | 00 | 264 |
| Two | 7.875 | 264 | TD | | | | |
| Casing Record | | | | | | | |

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Shields, KS, E side, N on Laredo Rd to 280th
 1.5 E to Newton Rd, S & E into

Log Measured From: Kelly Bushing 8 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
 785-625-3858

| | | | |
|----------------------------|-----------|----------------------------------|--------------------|
| Your Midwest Wireline Crew | | This Log Record Was Witnessed By | |
| Engineer: T. Martin | Operator: | Primary Witness: Chad Counts | Secondary Witness: |
| Operator: | Operator: | Secondary Witness: | Secondary Witness: |
| Operator: | | Secondary Witness: | |

| Sensor | Offset (ft) | Schematic | Description | Length (ft) | O.D. (in) | Weight (lb) |
|--------------------|-------------------------|-----------|------------------------------|-------------|-----------|-------------|
| GR | 33.00 | | GR-M&W (89-M&W) | 3.00 | 3.50 | 50.00 |
| CNLSC CNSSC | 29.90 29.15 | | CNT-M&W (10-PSI) | 5.50 | 3.50 | 100.00 |
| LSD DCAL SSD | 20.85 20.83 20.35 | | CDL-M&W (915-956) | 8.50 | 4.00 | 250.00 |
| RLL3F RLL3 | 15.80 15.80 | | DIL-PSI HIGH TEMP (959-1032) | 18.50 | 3.50 | 220.00 |
| CILD | 8.00 | | | | | |
| CILM | 4.70 | | | | | |
| SP | 0.20 | | | | | |

Dataset: mgoil_lawrence unit #15-2.db: field/well/Stack/pass3.1
 Total length: 35.50 ft
 Total weight: 620.00 lb
 O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrrior\Data\mgoil_lawrence unit #15-2.db
 Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

| | | | | | | | |
|-----------|--------------|------------------|-------------------|----------------|------------------|-------|------------------|
| A | BOREID in | BOTTEMP degF | CASEOD in | CASETHCK in | FLUIDDEN g/cc | M | MATRXDEN g/cc |
| 1 | 7.875 | 121 | 5.5 | 0 | 1 | 2 | 2.71 |
| NPORSEL | PERFS | SNDERR mmho/m | SNDERRM mmho/m | SPSHIFT mV | SRFTEMP degF | SZCOR | TDEPTH ft |
| Limestone | 0 | 0 | 0 | 650 | 40 | Off | 4509 |



MIDWEST WIRELINE

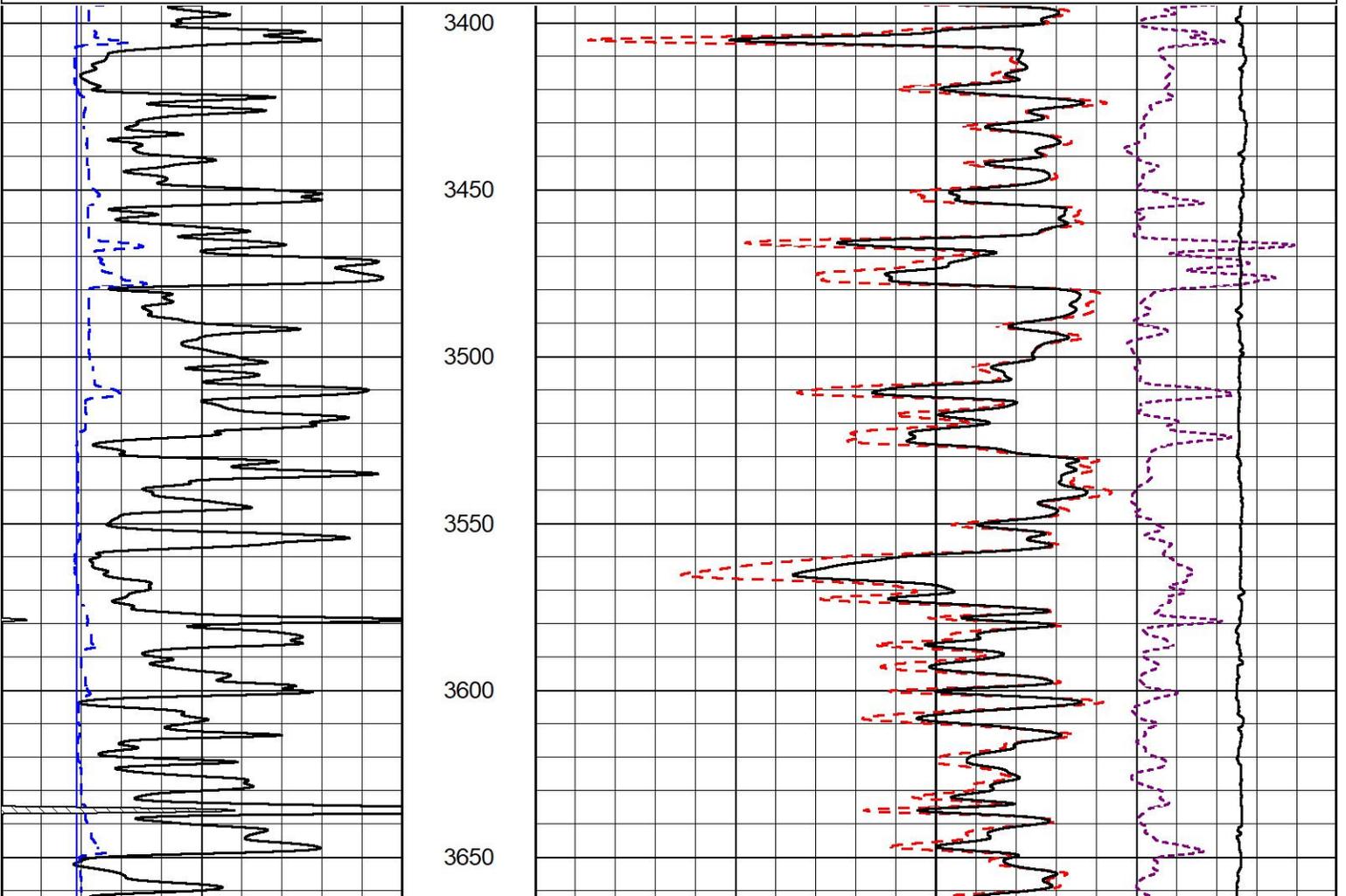
2" SCALE BULK DENSITY

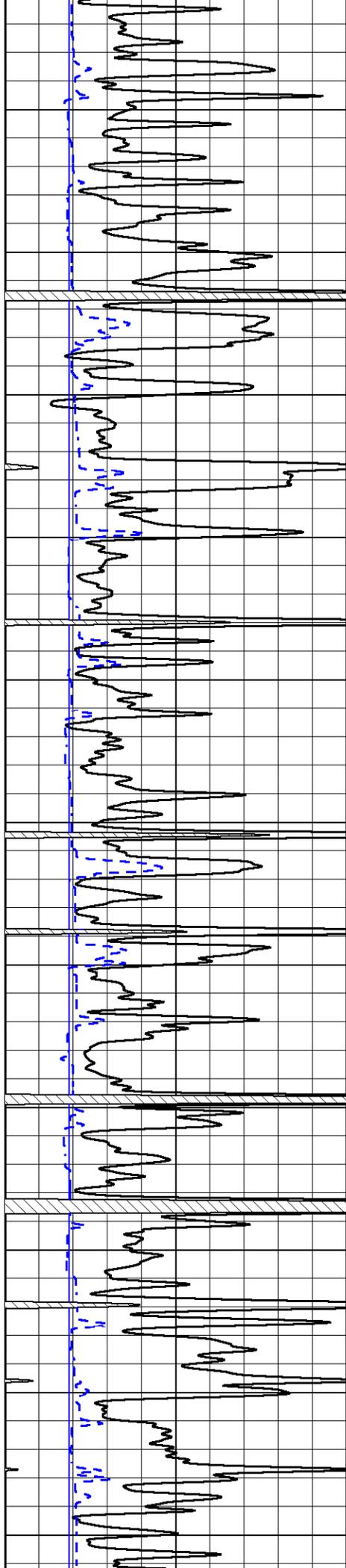
MAIN PASS

Database File mgoil_lawrence unit #15-2.db
 Dataset Pathname Stack/pass3.3
 Presentation Format _cdl
 Dataset Creation Mon Oct 25 12:21:21 2021
 Charted by Depth in Feet scaled 1:600

| | | |
|---|------------------|-----|
| 0 | Gamma Ray (GAPI) | 150 |
| 6 | Caliper (in) | 16 |

| | | |
|-------|--------------------------|------|
| 30 | Compensated Density (pu) | -10 |
| 2 | Bulk Density (g/cc) | 3 |
| 15000 | Line Tension (lb) | 0 |
| -0.25 | Correction (g/cc) | 0.25 |





3700

3750

3800

3850

3900

3950

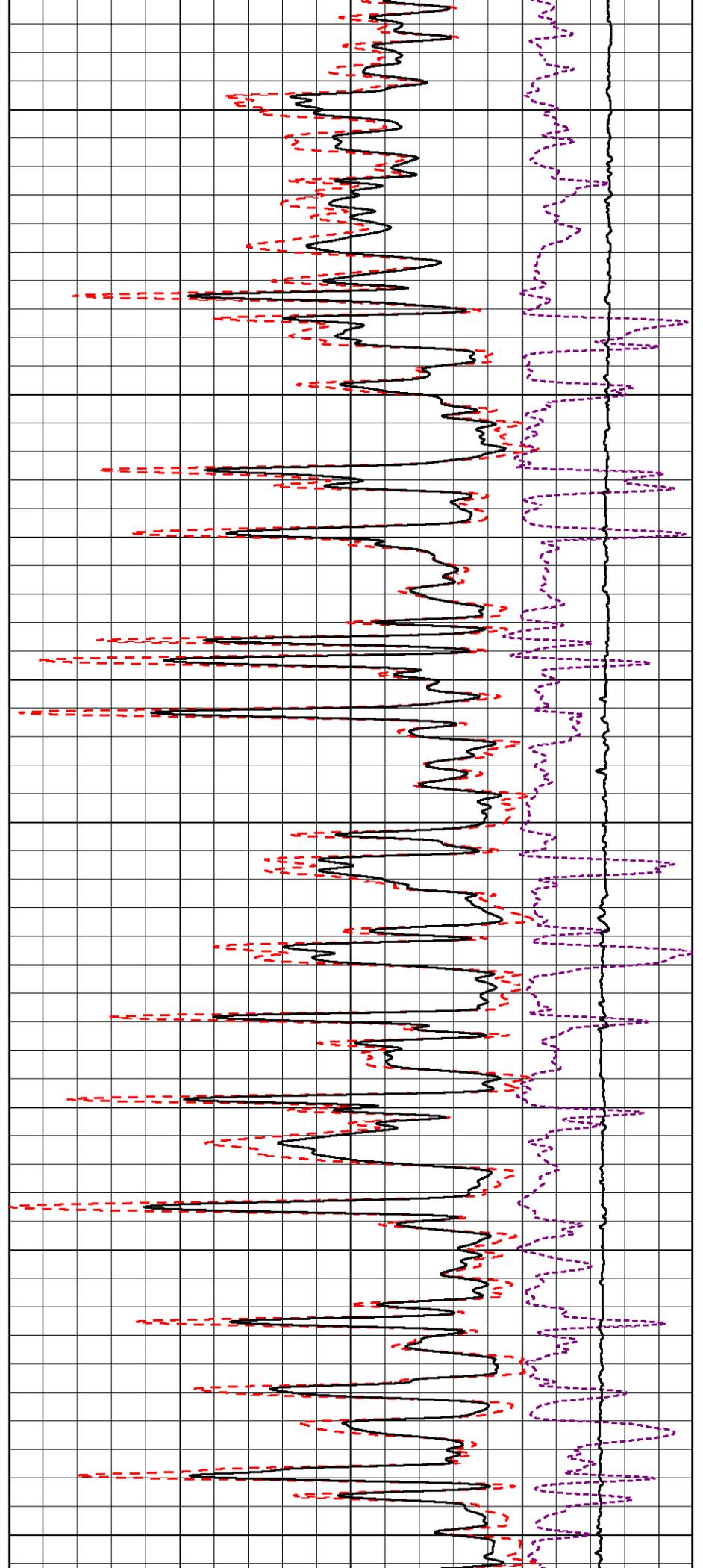
4000

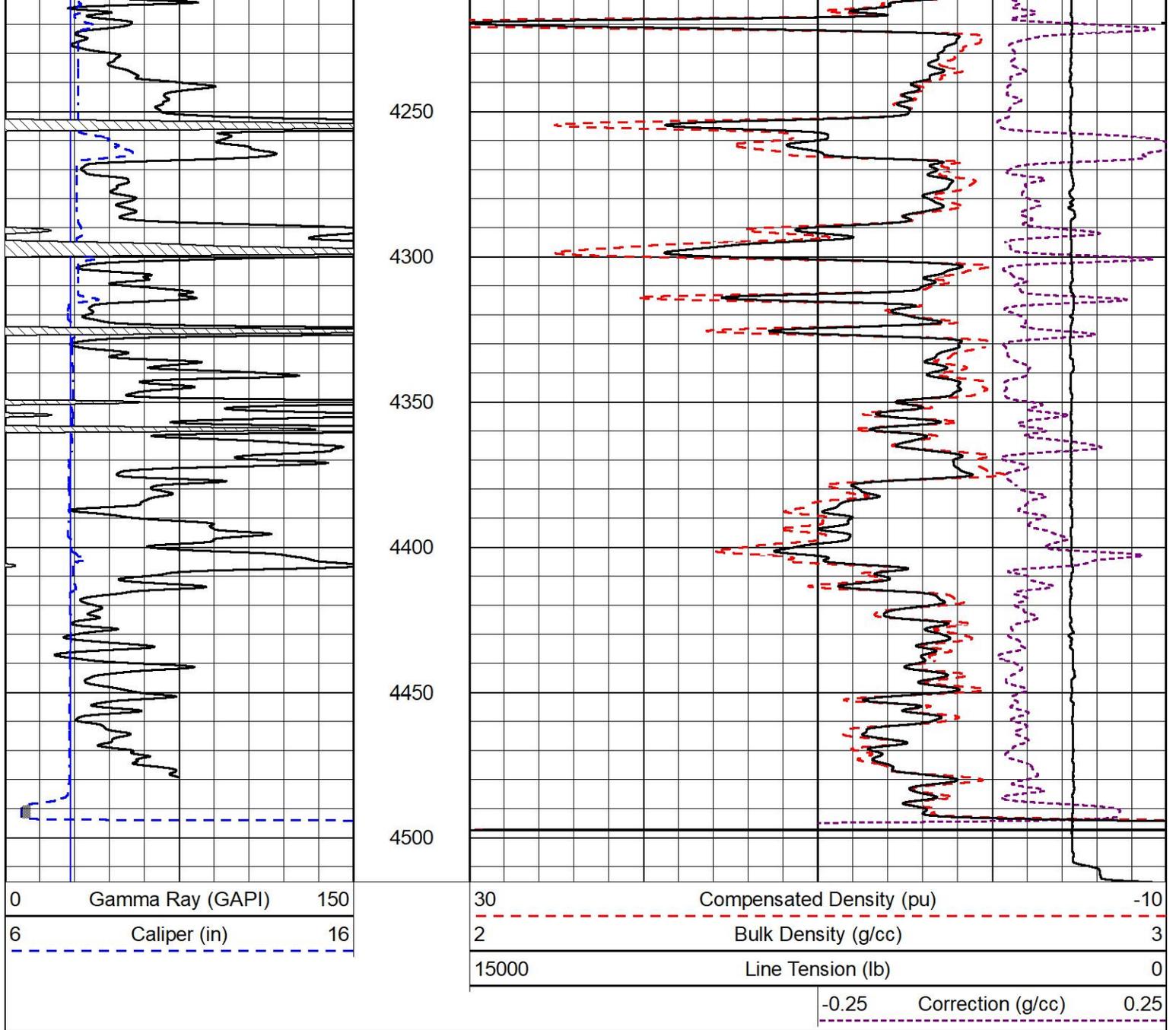
4050

4100

4150

4200

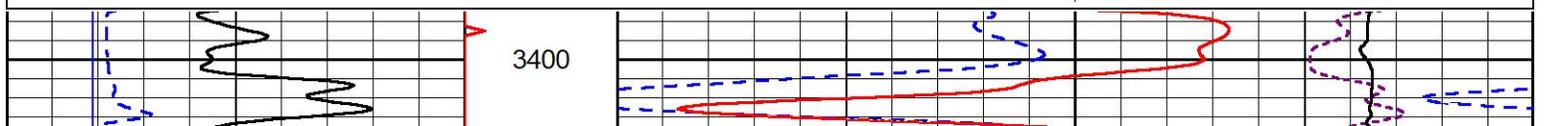
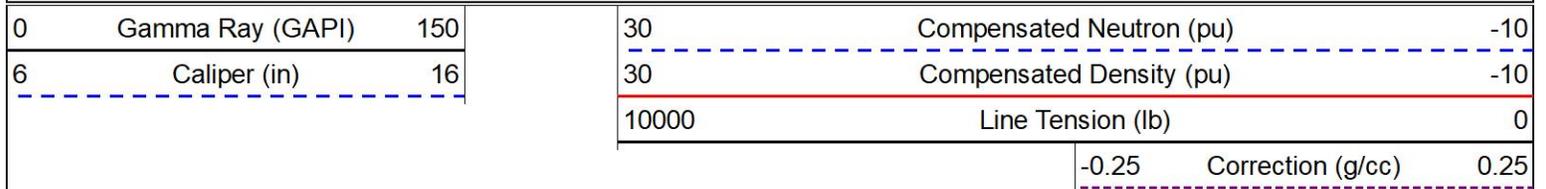


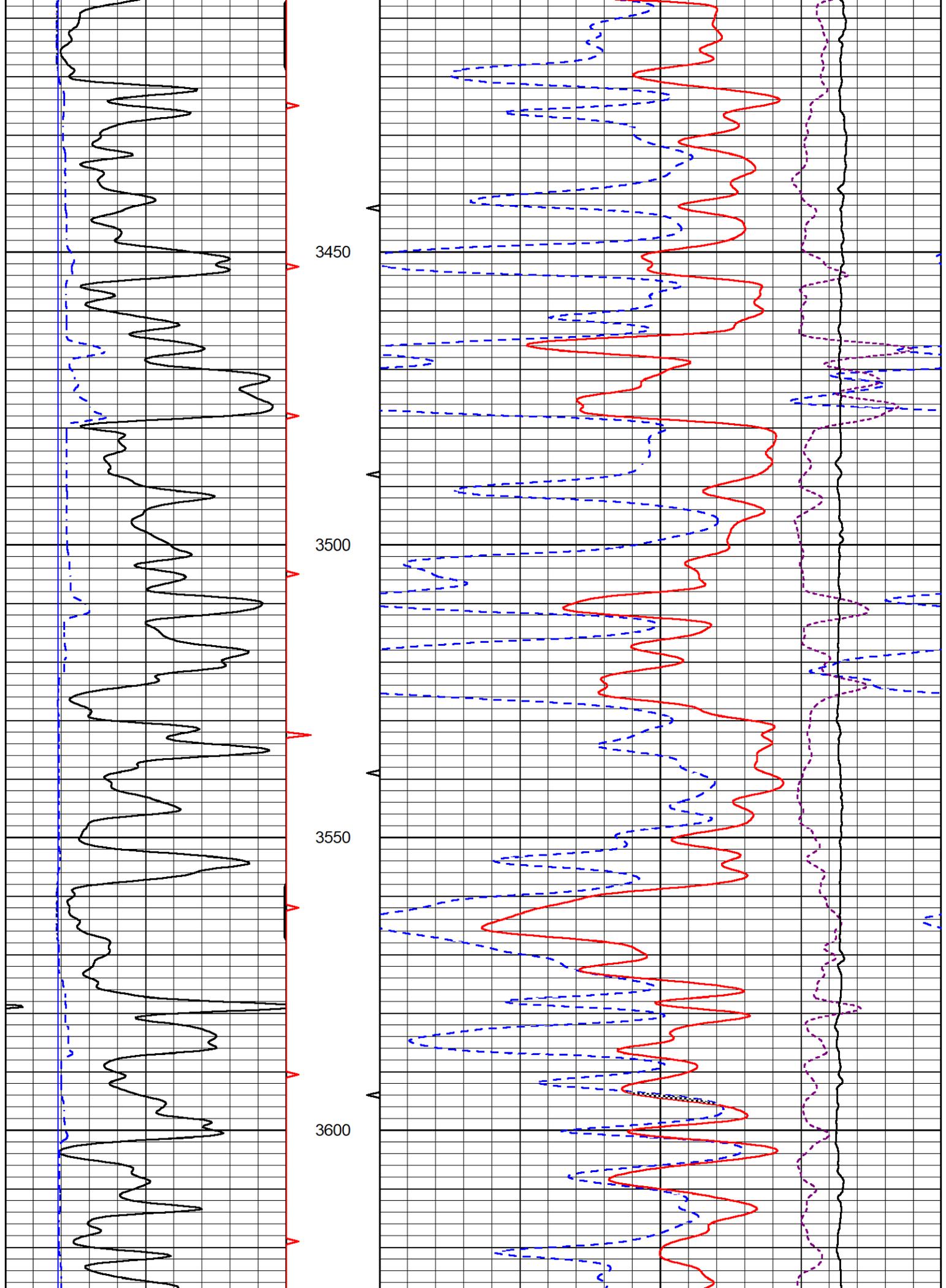


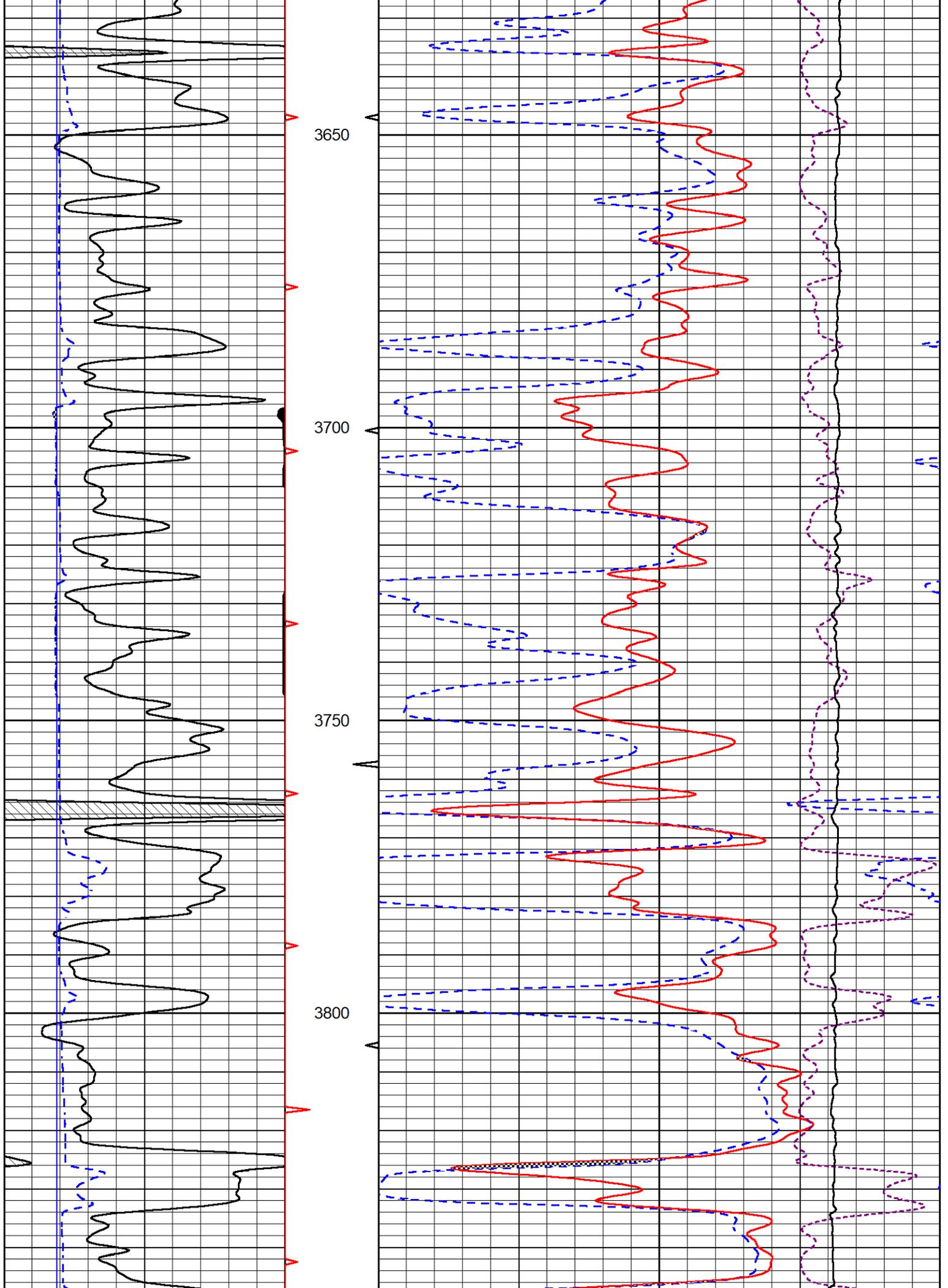
DETAIL SECTION

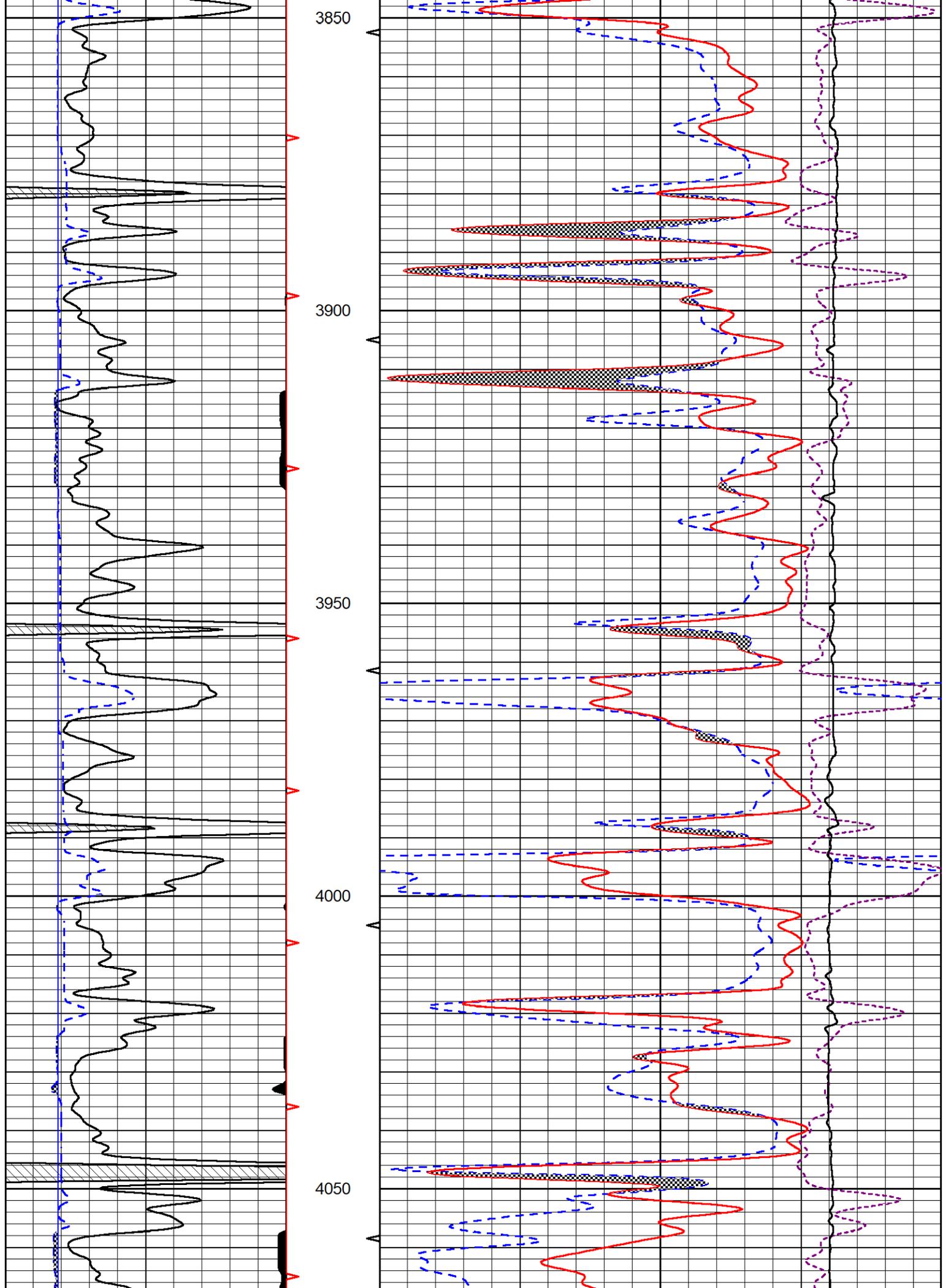
MAIN PASS

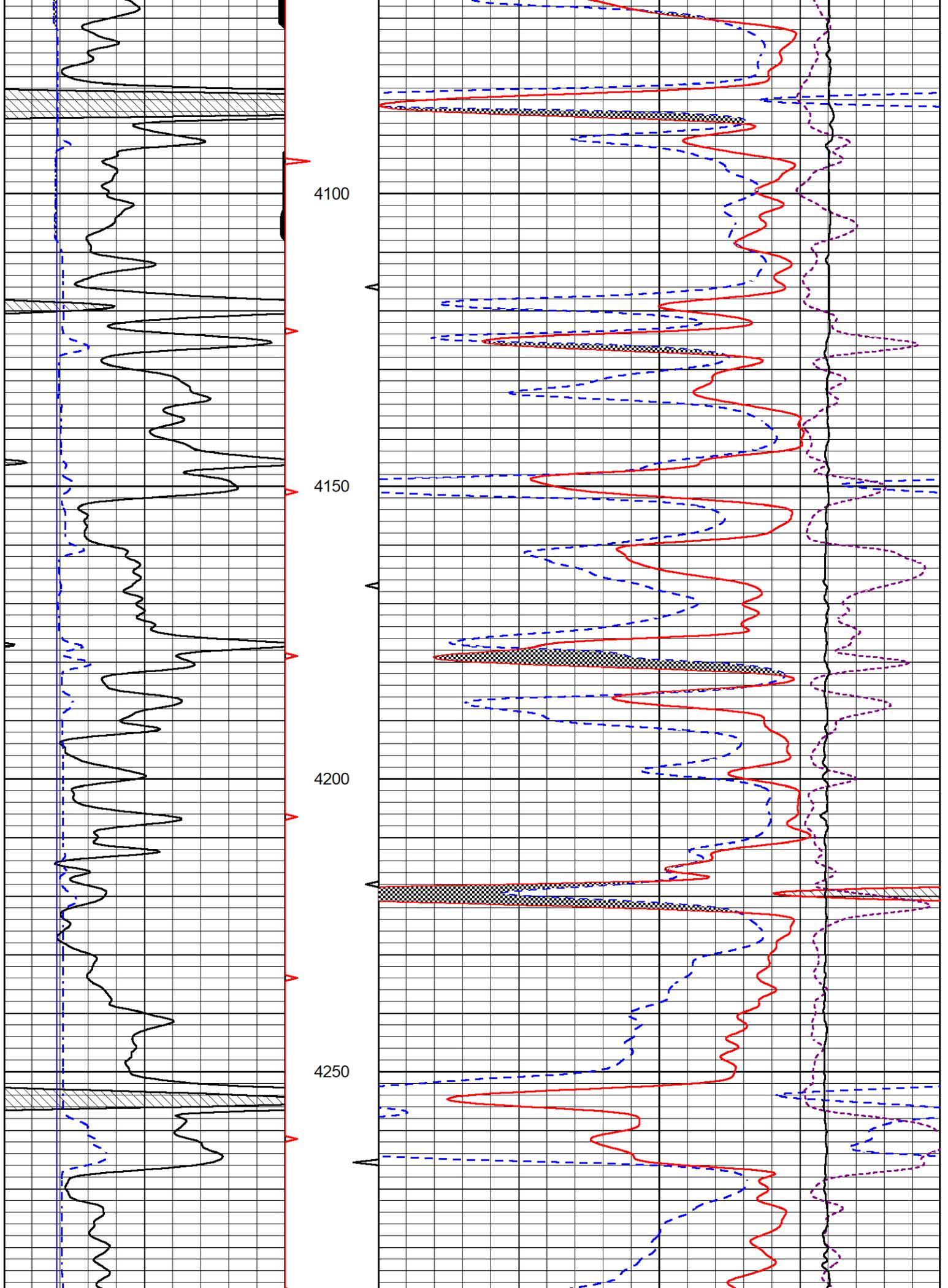
Database File mgoil_lawrence unit #15-2.db
 Dataset Pathname Stack/pass3.1
 Presentation Format _CNDLS~1
 Dataset Creation Mon Oct 25 13:03:14 2021
 Charted by Depth in Feet scaled 1:240

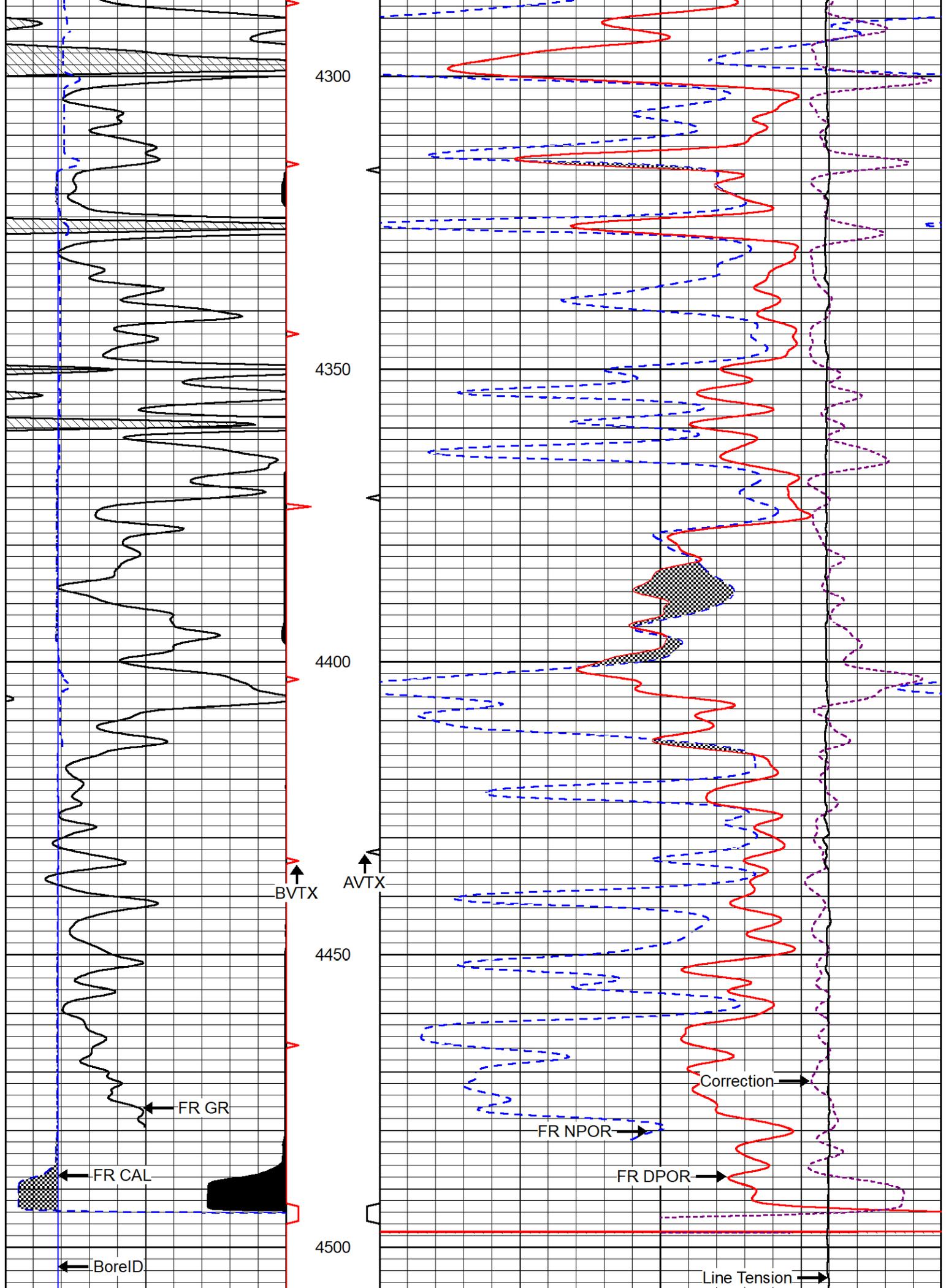












| | | | | | |
|---|------------------|-----|-------|--------------------------|-------------------|
| 0 | Gamma Ray (GAPI) | 150 | 30 | Compensated Neutron (pu) | -10 |
| 6 | Caliper (in) | 16 | 30 | Compensated Density (pu) | -10 |
| | | | 10000 | Line Tension (lb) | 0 |
| | | | | -0.25 | Correction (g/cc) |
| | | | | | 0.25 |

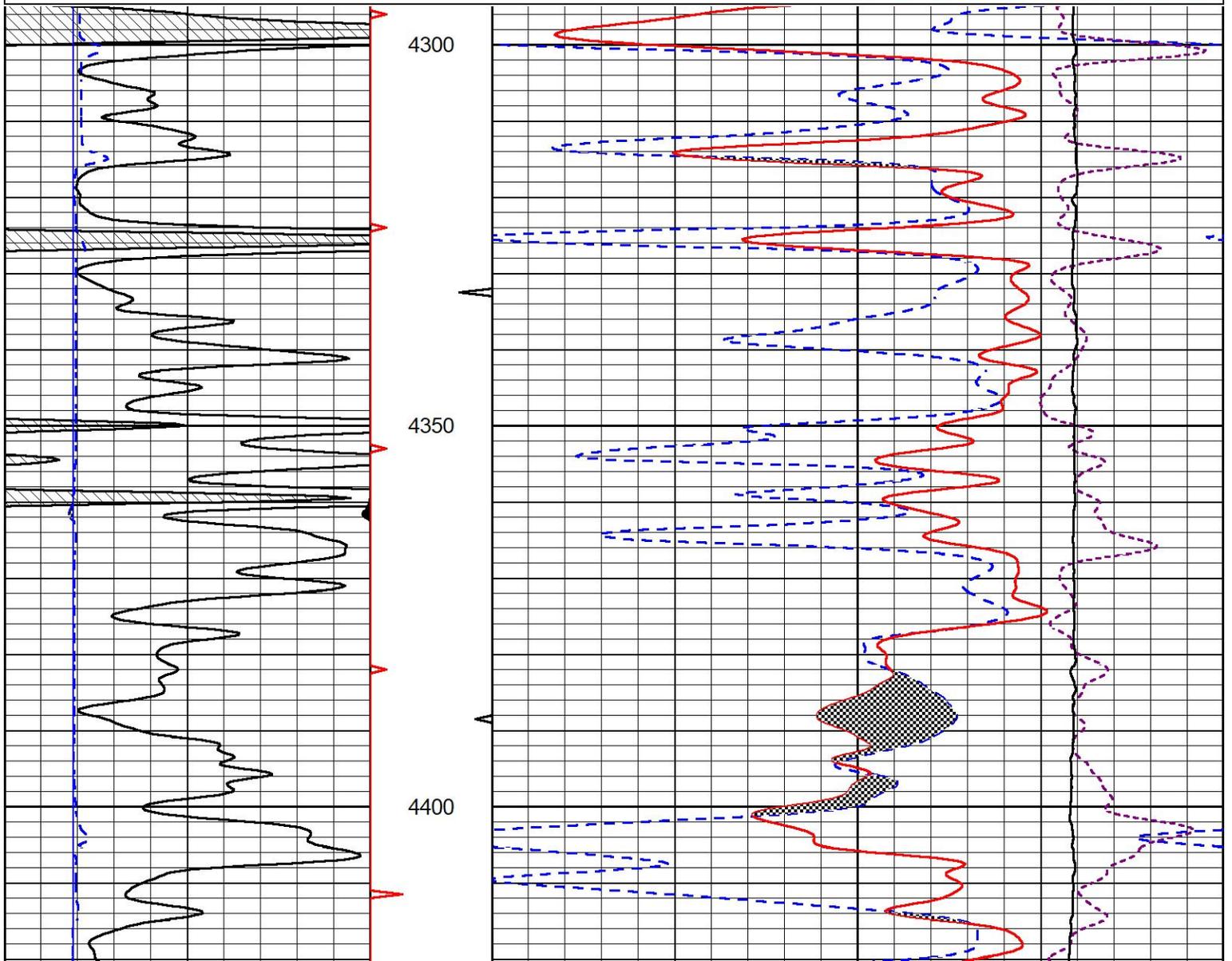


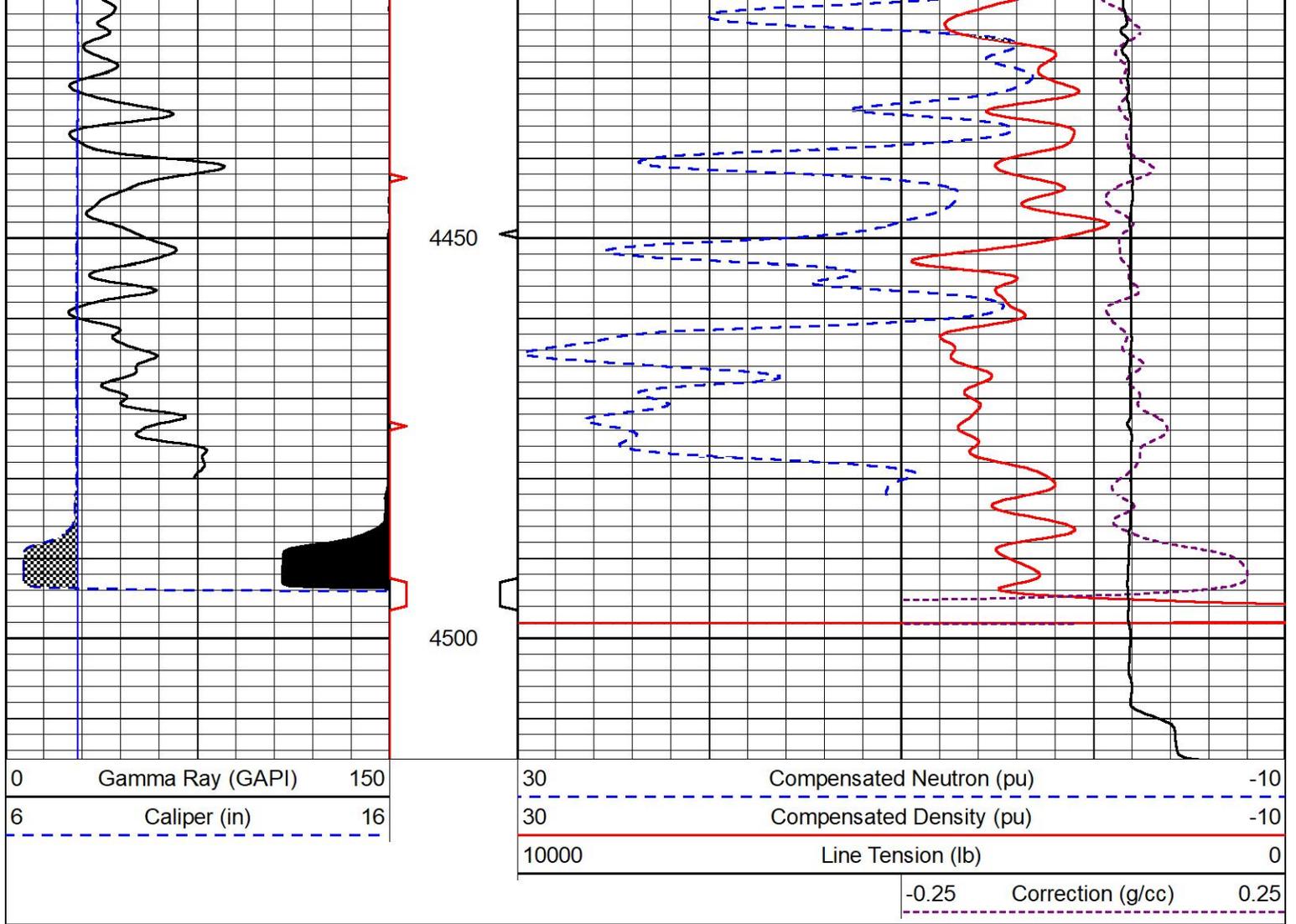
REPEAT SECTION

REPEAT PASS

Database File mgoil_lawrence unit #15-2.db
 Dataset Pathname Stack/pass2.1
 Presentation Format _CNDLS~1
 Dataset Creation Mon Oct 25 12:18:16 2021
 Charted by Depth in Feet scaled 1:240

| | | | | | |
|---|------------------|-----|-------|--------------------------|-------------------|
| 0 | Gamma Ray (GAPI) | 150 | 30 | Compensated Neutron (pu) | -10 |
| 6 | Caliper (in) | 16 | 30 | Compensated Density (pu) | -10 |
| | | | 10000 | Line Tension (lb) | 0 |
| | | | | -0.25 | Correction (g/cc) |
| | | | | | 0.25 |





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 State Kansas