



MIDWEST WIRELINE

# DUAL COMP POROSITY LOG

Company **Ressler Well Service, Inc.**  
 Well **Myers 13**  
 Field **Burton**  
 County **Reno** State **Kansas**

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Location: **API #: 15-155-21802-00-00**  
**660 FNL & 2310 FWL**  
**SEC 3 TWP 24s RGE 4w**  
 Permanent Datum **Ground Level** Elevation **1467**  
 Log Measured From **Kelly Bushing**  
 Drilling Measured From **Kelly Bushing**  
 Other Services **DIL**  
 Elevation **1479**  
 D.F. **G.L. 1467**

Date	6/1/2024						
Run Number	One						
Type Log	CNL/CDL						
Depth Driller	3515						
Depth Logger	3518						
Bottom Logged Interval	3498						
Top Logged Interval	2300						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	1500						
Density	9.25						
Level	Full						
Max. Rec. Temp. F	111						
Operating Rig Time	2 Hours						
Equipment -- Location	110 HAYS						
Recorded By	J. Henrickson						
Witnessed By	Larry Ressler						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
One	17.5	0	305	13.375	48	0	305
Two	7.875	305	TD				
Casing Record							

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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.**

**Burton Kansas**  
**West to Rayl, 2 South, 1/2 West**  
**South Into**

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

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

**Your Midwest Wireline Crew**

**Engineer: J. Henrickson**  
**Operator:**  
**Operator:**  
**Operator:**

**This Log Record Was Witnessed By**

**Primary Witness: Larry Ressler**  
**Secondary Witness: Brandon Wolf**  
**Secondary Witness:**  
**Secondary Witness:**

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	32.75		GR-M&W (105)	3.00	3.50	50.00
CNLSC CNSSC	29.65 28.90		CNT-M&W (210)	5.00	3.50	100.00
LSD DCAL SSD	20.60 20.58 20.10		CDL-M&W (303-03)	8.50	4.00	250.00
RLL3F RLL3	15.50 15.50		DIL-M&W (506)	18.25	3.50	220.00
CILD	8.33		CILM	4.50		
SP	0.20					

Dataset: ressler\_myers\_3.db: field/well/stack/pass3.1  
 Total length: 34.75 ft  
 Total weight: 620.00 lb  
 O.D.: 4.00 in

# Log Variables

DatabaseC:\ProgramData\Warrior\Data\ressler\_myers\_3.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	111	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	No	0	0	42	63	Off	3515

## Variable Description

A : Cement Factor (a)  
 BOREID : Borehole I.D.  
 BOTTEMP : Bottom Hole Temperature  
 CASEOD : Casing O.D.  
 CASETHCK : Casing Thickness  
 FLUIDDEN : Fluid Density  
 M : Cement Exp (m)  
 MATRXDEN : Matrix Density

NPORSEL : Neutron Porosity Curve Select  
 PERFS : Perforation Flag  
 SNDERR : Deep Sonde Error Correction  
 SNDERRM : Medium Sonde Error Correction  
 SPSHIFT : S.P. Baseline Offset  
 SRFTEMP : Surface Temperature  
 SZCOR : CN Size Cor. ?  
 TDEPTH : Total Depth

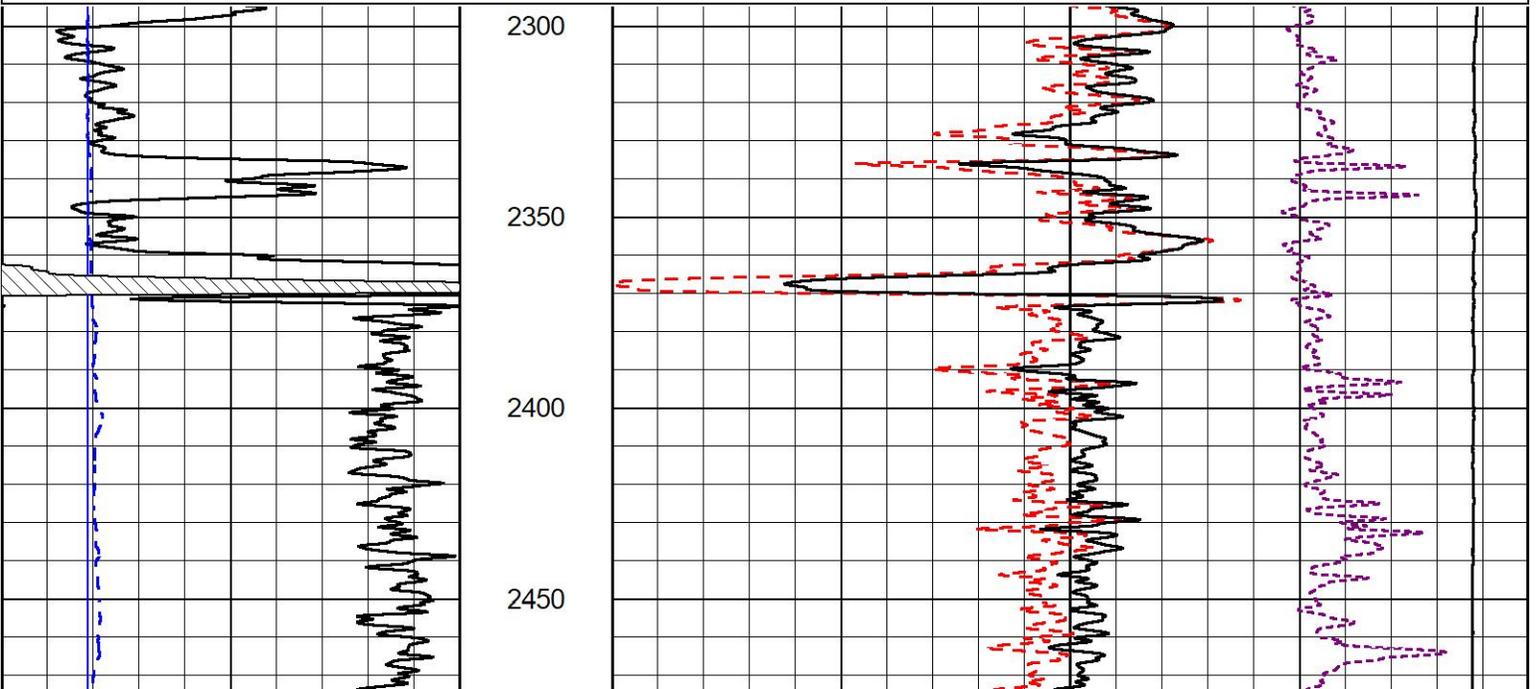


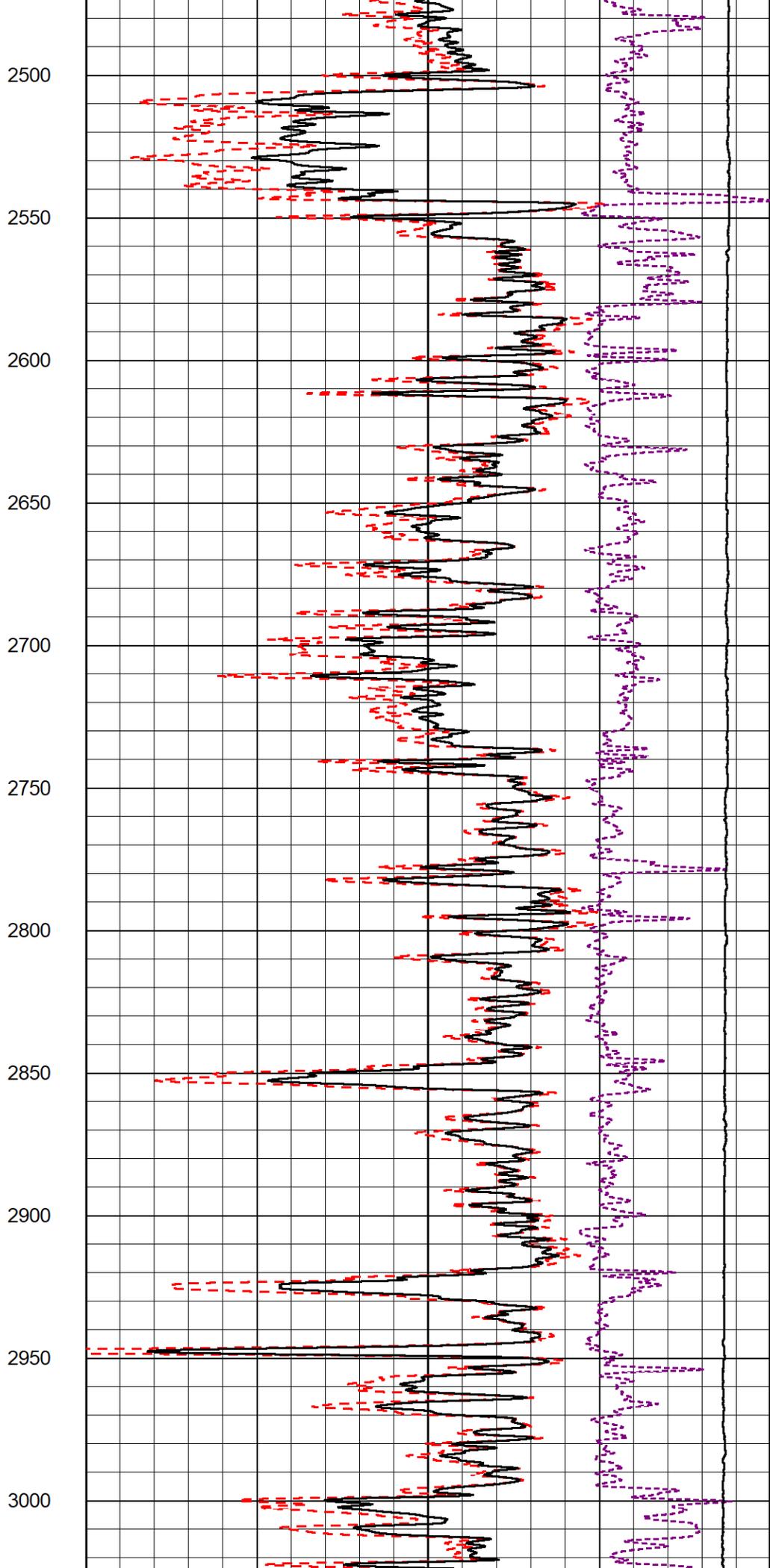
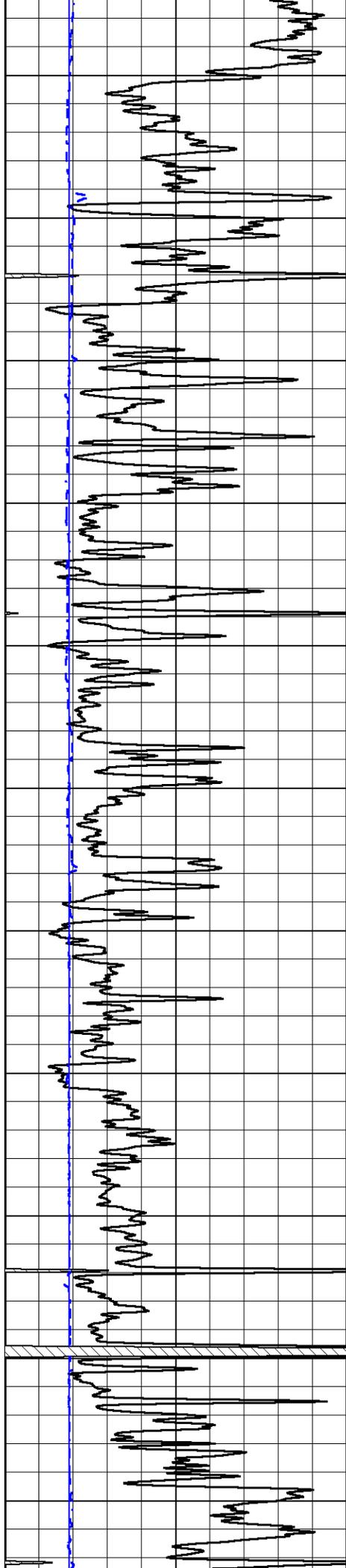
## 2" SCALE BULK DENSITY

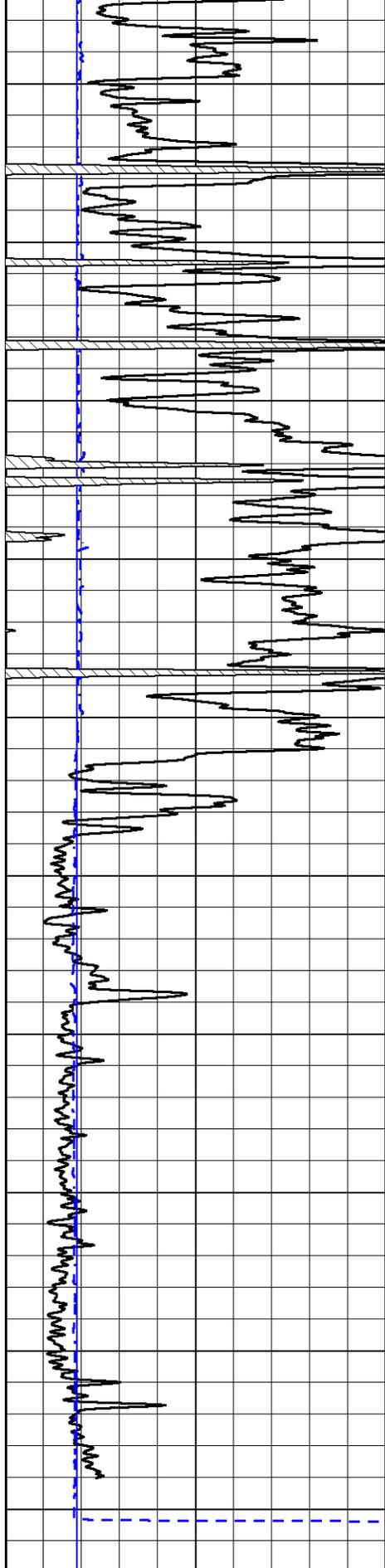
### MAIN PASS

Database File       ressler\_myers\_3.db  
 Dataset Pathname   stack/pass3.3  
 Presentation Format  \_cdl  
 Dataset Creation    Sat Jun 01 02:19:53 2024  
 Charted by         Depth in Feet scaled 1:600

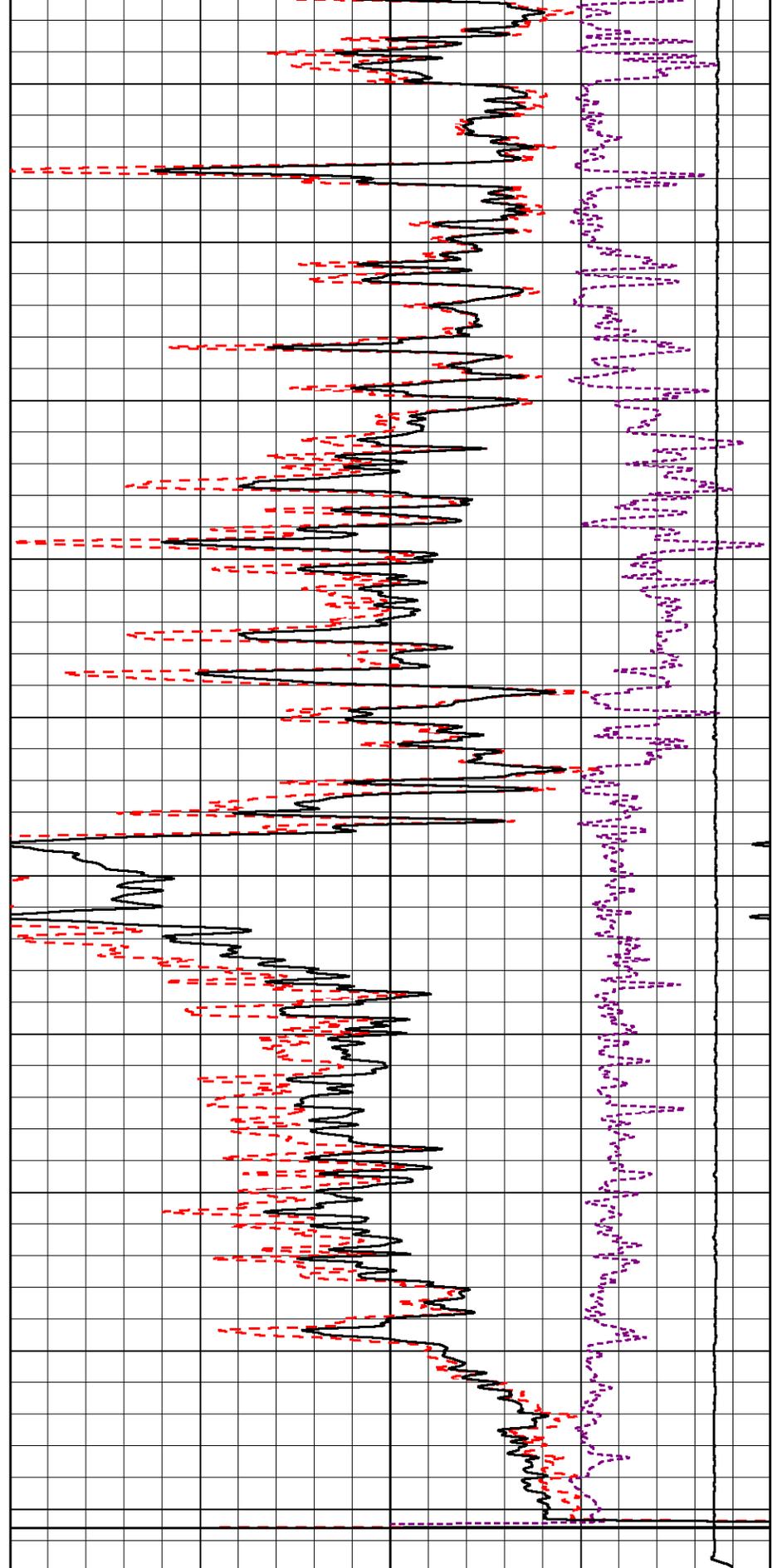
0	Gamma Ray (GAPI)	150	30	Compensated Density (pu)	-10
6	Caliper (in)	16	2	Bulk Density (g/cc)	3
			15000	Line Tension (lb)	0
				-0.25    Correction (g/cc)	0.25







3050  
3100  
3150  
3200  
3250  
3300  
3350  
3400  
3450  
3500



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



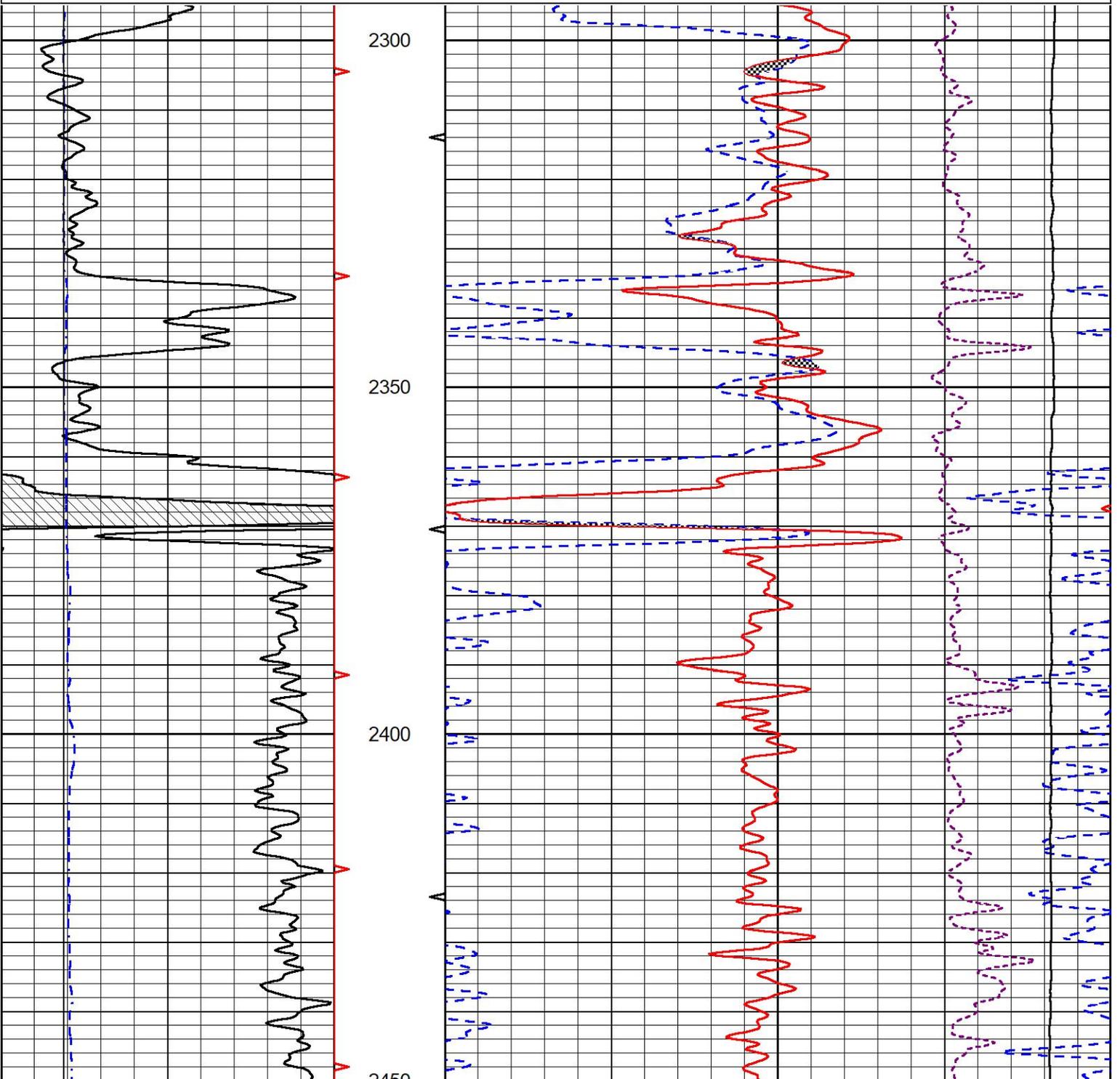
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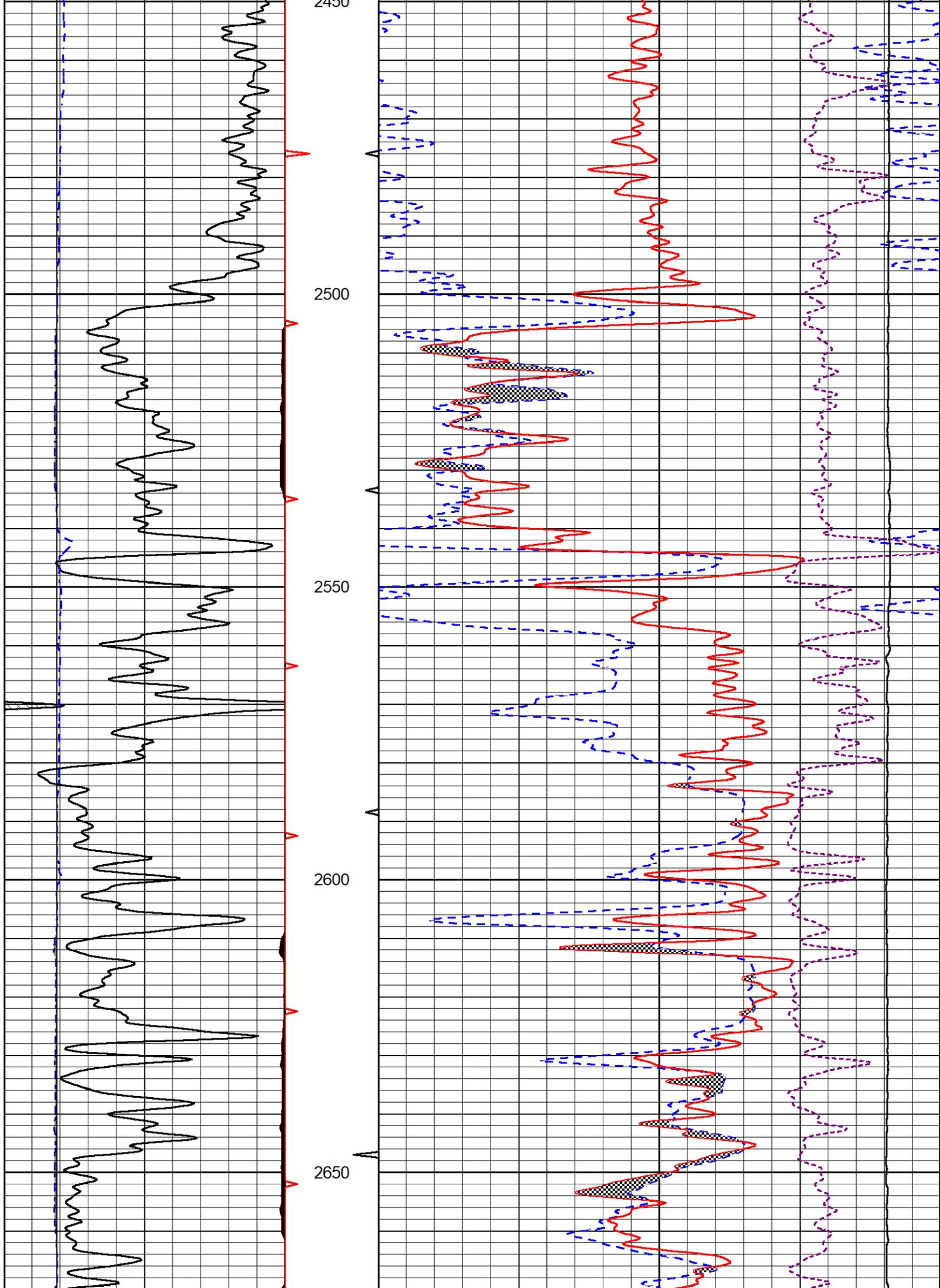
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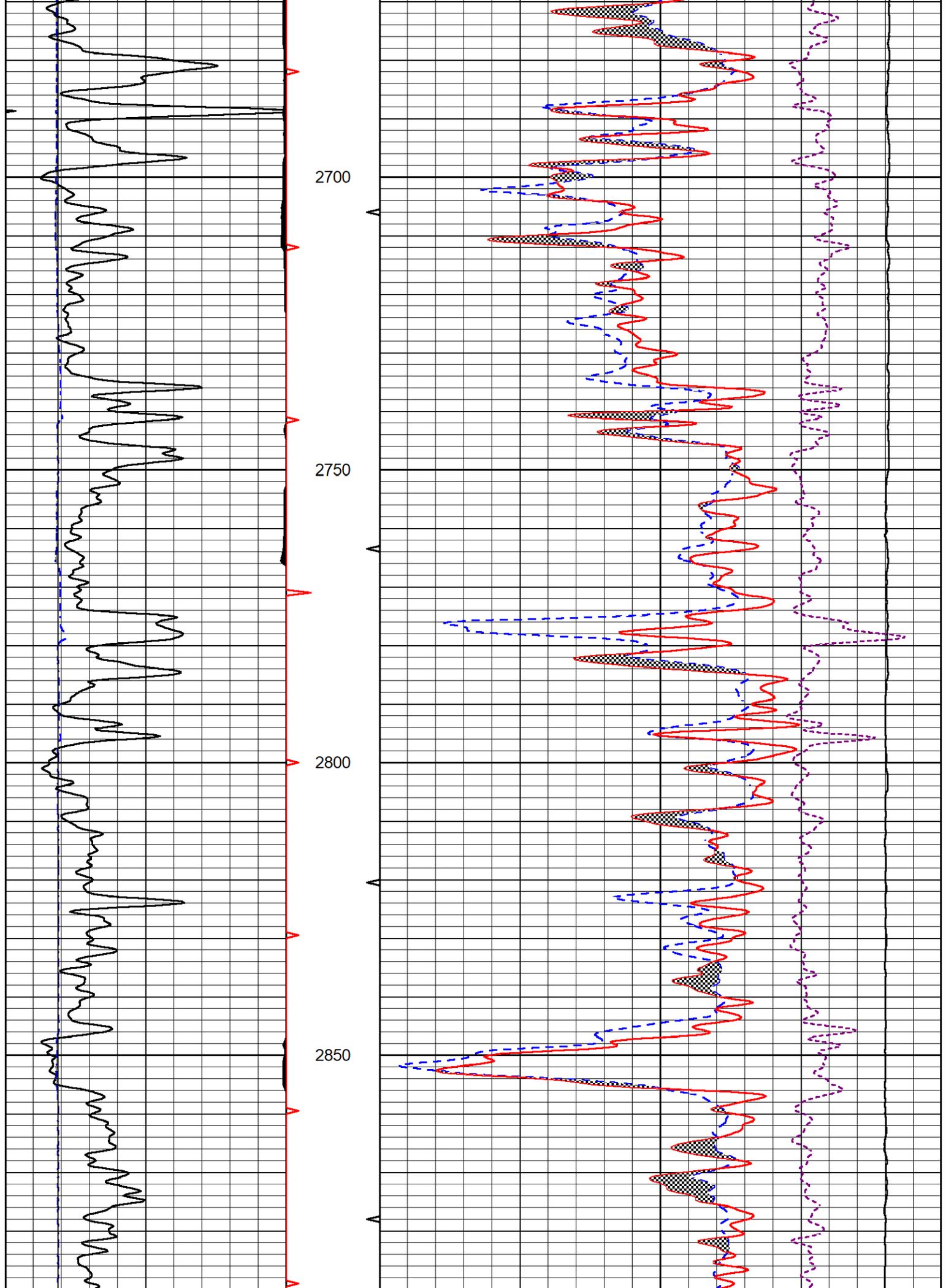
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 Dataset Pathname    stack/pass3.1  
 Presentation Format    \_CNDLS~1  
 Dataset Creation      Sat Jun 01 02:41:37 2024  
 Charted by            Depth in Feet scaled 1:240

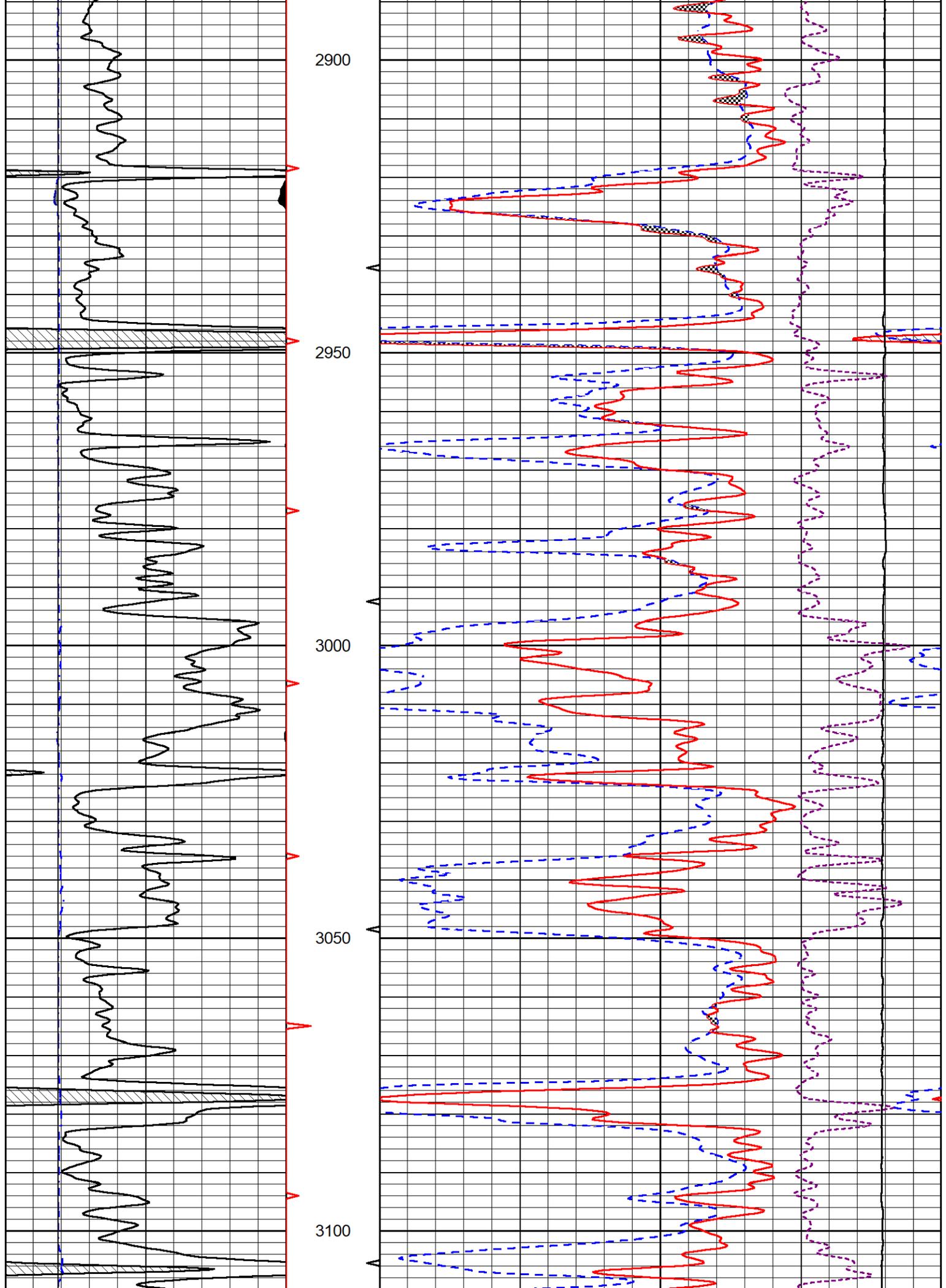
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6	Caliper (in)	16

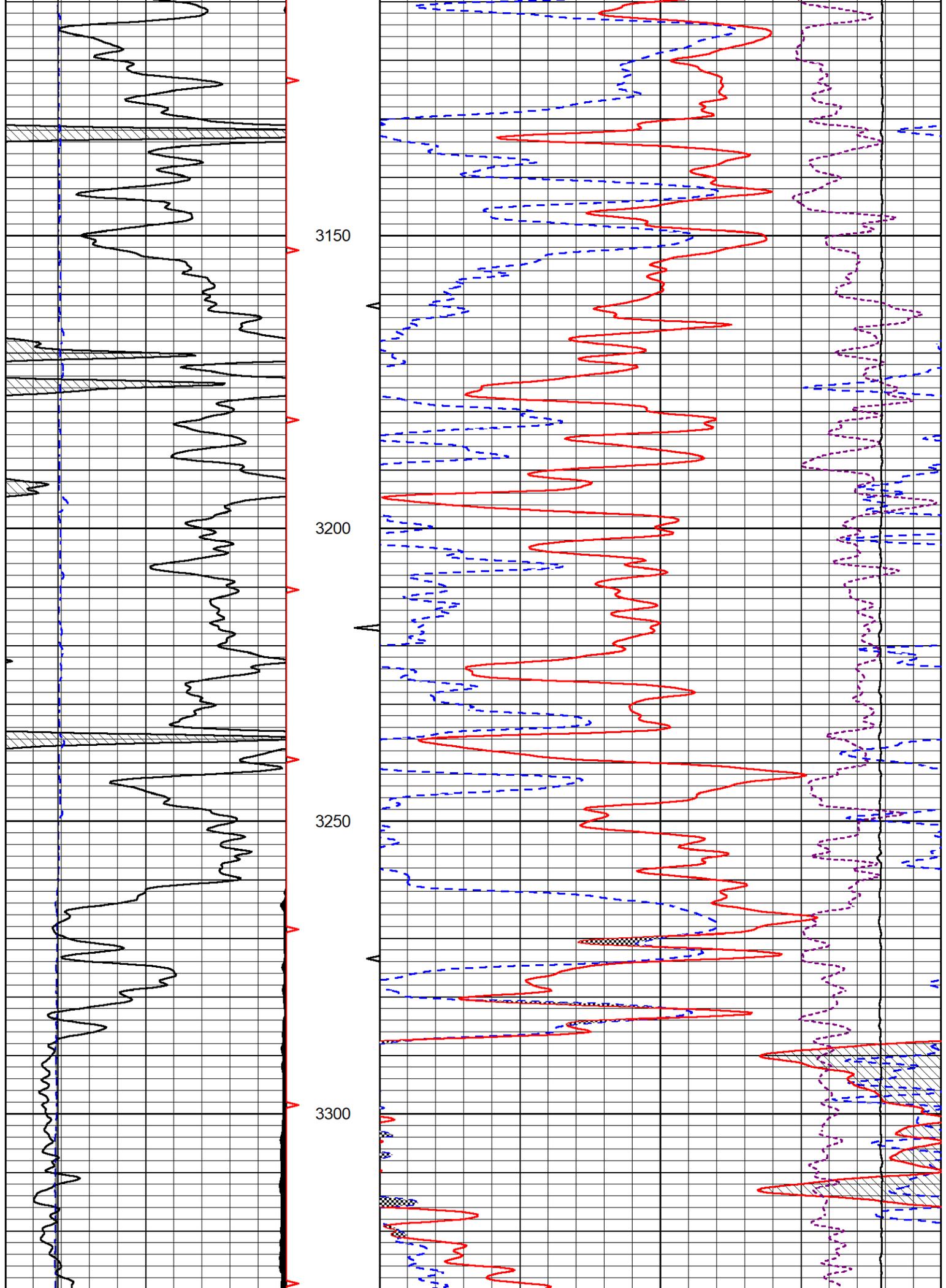
30	Compensated Neutron (pu)	-10
30	Compensated Density (pu)	-10
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25

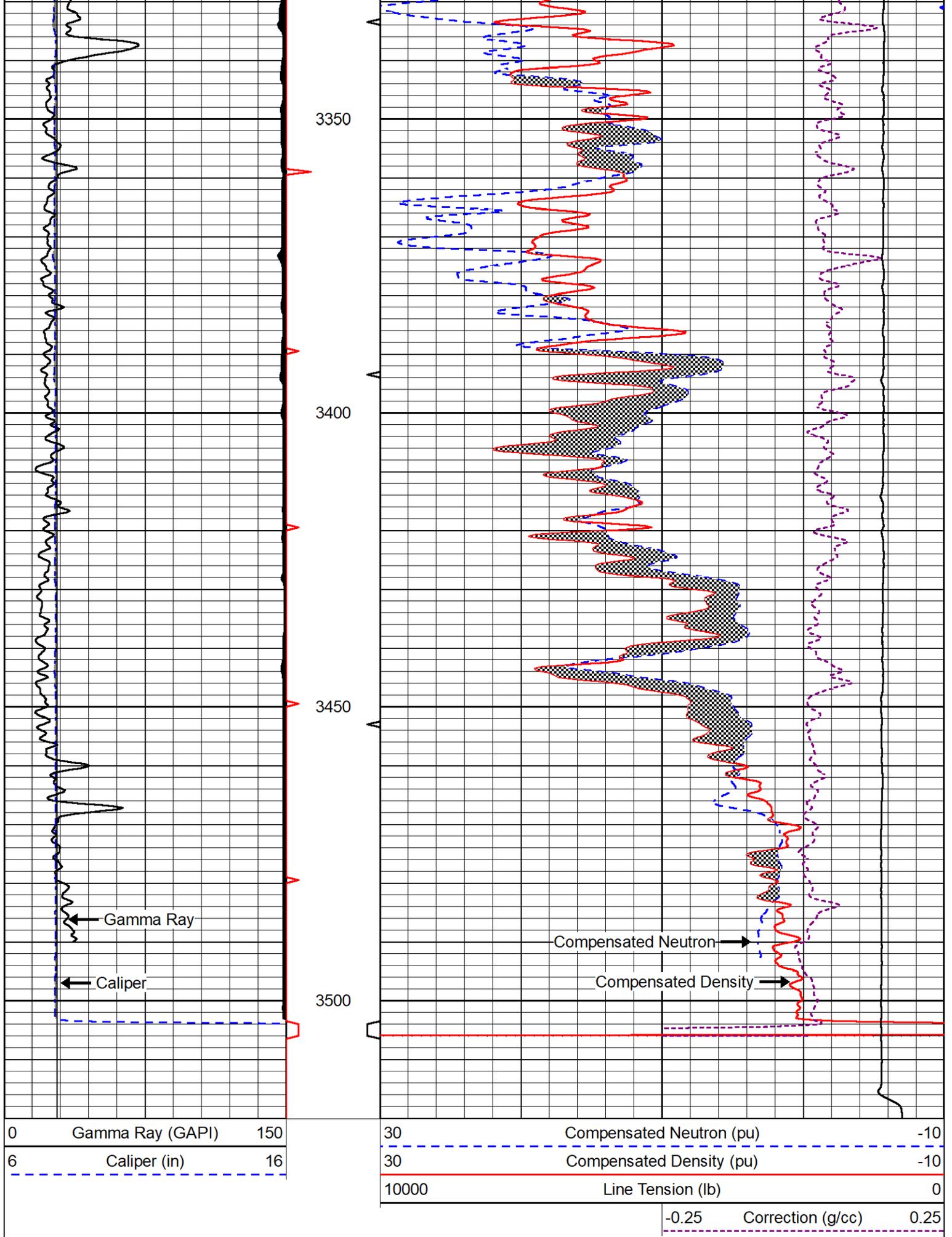














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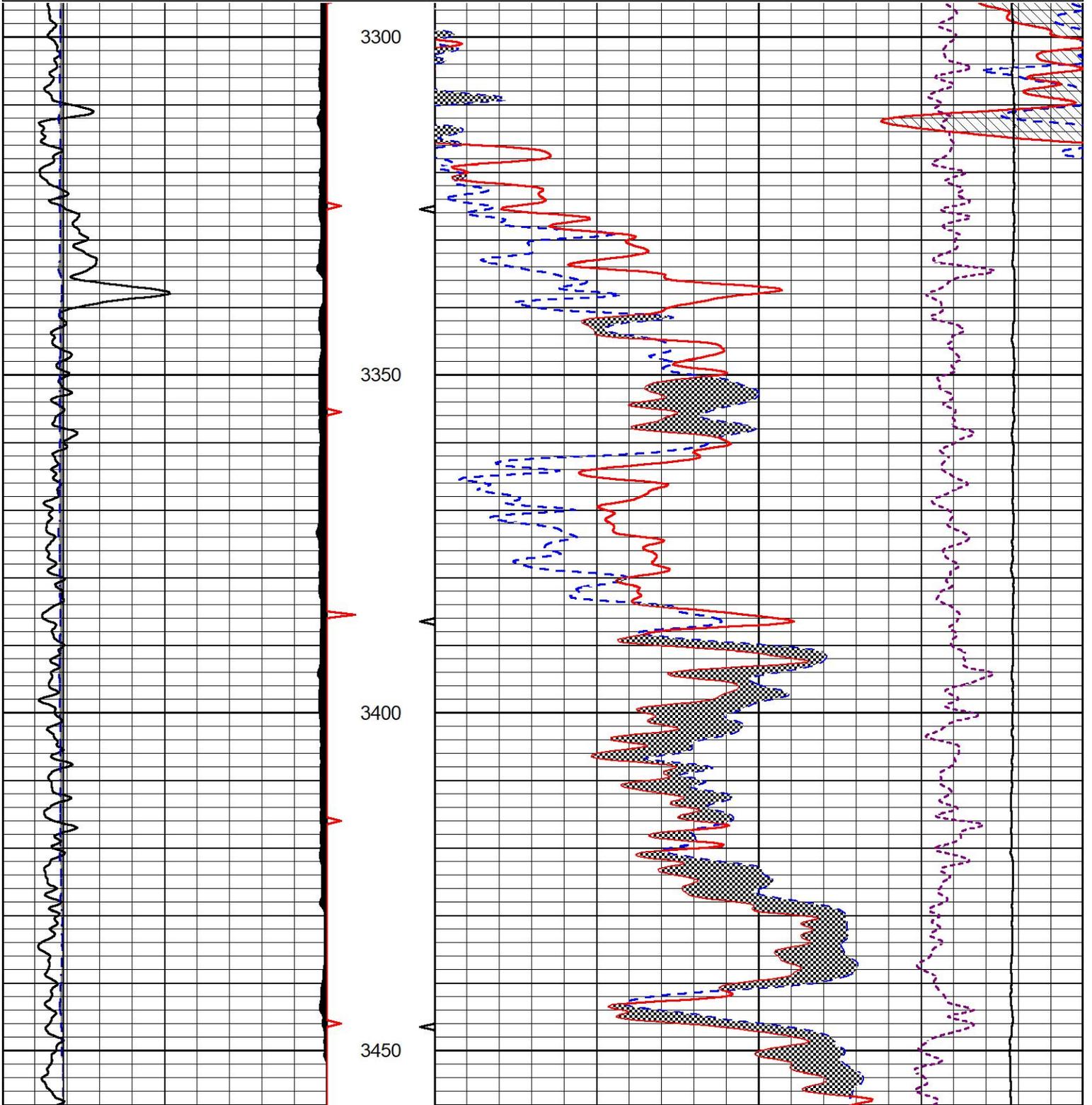
# REPEAT SECTION

## REPEAT PASS

Database File      resser\_myers\_3.db  
 Dataset Pathname    stack/pass2.1  
 Presentation Format    \_CNDLS~1  
 Dataset Creation      Sat Jun 01 02:20:53 2024  
 Charted by            Depth in Feet scaled 1:240

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

30	Compensated Neutron (pu)	-10
30	Compensated Density (pu)	-10
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25





Compensated Neutron Calibration Report

Serial Number: 210  
Tool Model: M&W

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	6240.00 cps	1000.00 cps	1.6025
Long Space	460.00 cps	1000.00 cps	1.9500

Gamma Ray Calibration Report

Serial Number: 105  
Tool Model: M&W  
Performed: Sat Oct 21 23:48:19 2023

Calibrator Value: 500.0 GAPI

Background Reading: 24.0 cps  
Calibrator Reading: 637.0 cps

Sensitivity: 0.6000 GAPI/cps



Company Ressler Well Service, Inc.  
Well Myers 13  
Field Burrton  
County Reno  
State Kansas