



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Arcadian Resources, LLC

Well Malone #1-22

Field

County Rawlins State Kansas

Location: API #: 15-153-21274-00-00

1061 FNL 2236 FWL

SEC 22 TWP 5S RGE 32W

DIL/MEL

Permanent Datum Ground Level Elevation 3010
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

K.B. 3015
D.F. G.L. 3010

Date 12/1/2021

Run Number One

Type Log CNL/CDL

Depth Driller 4600

Depth Logger 4600

Bottom Logged Interval 4571 1600

Top Logged Interval 3700 1050

Type Fluid In Hole Chemical

Salinity, PPM CL 500

Density 9.4

Level Full

Max. Rec. Temp. F 122

Operating Rig Time 3 Hours

Equipment -- Location P-24 Hays

Recorded By D. Schmidt

Witnessed By Sean Deenihan

Borehole Record

Run No. Bit From To Size Wgt. From To

One 12.25 0 234 8.625 23 0 234

Two 7.875 234 TD

<<< Fold Here >>>

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

Gem,
North on Rd 439 to curve, continue North on Rd 441,
North to C Rd, 1 East, 1 North,
West and South to location

Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Sean Deenihan
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)		
GR	40.33			GR-M&W (233-M&W)	3.00	3.50	50.00		
CNLSC	37.23			CNT-M&W (207-MW)	5.00	3.50	100.00		
CNSSC	36.48								
LSD	28.18				CDL-M&W (934-226)	8.50	4.00	250.00	
				DCAL					28.17
				SSD					27.68
MCAL	19.58				ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00	
				MI					19.58
				MN					19.58
RLL3F	15.50			DIL-PSI HIGH TEMP (952-828)	18.25	3.50	220.00		
RLL3	15.50								
CILD	8.33								
CILM	4.50								
SP	0.20								
Dataset: arcadian_malone 1-22.db: field/well/stkml/pass3.4									
Total length: 42.33 ft									
Total weight: 685.00 lb									
O.D.: 4.00 in									

Log Variables

DatabaseC:\ProgramData\Warrior\Data\arcadian_malone 1-22.db
Dataset field/well/stkml/pass3.4/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	122	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	200	70	Off	4600

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



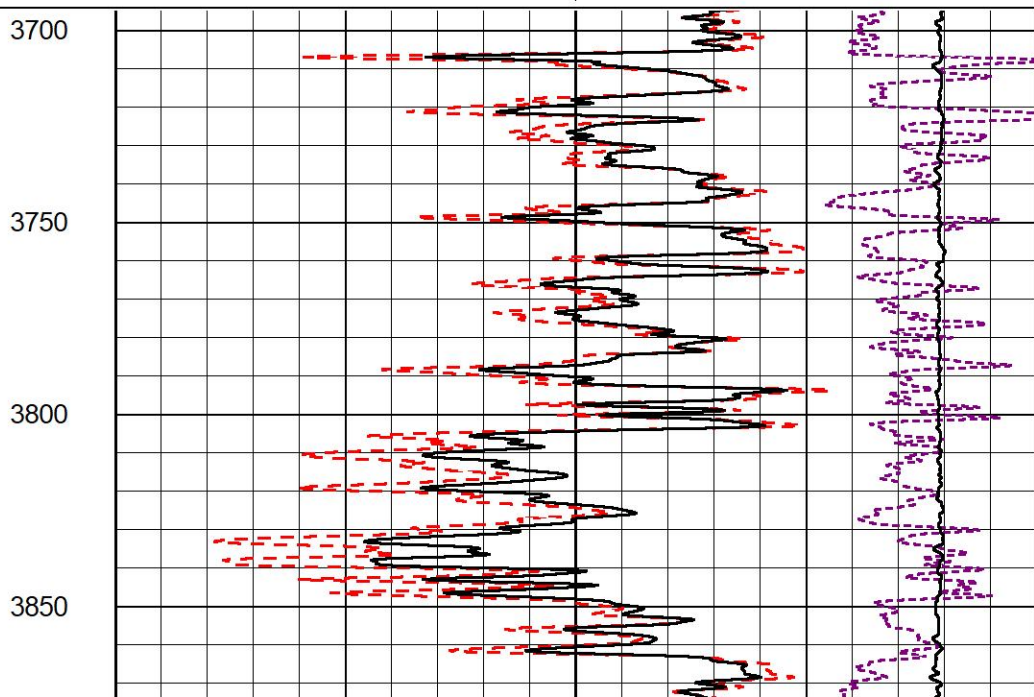
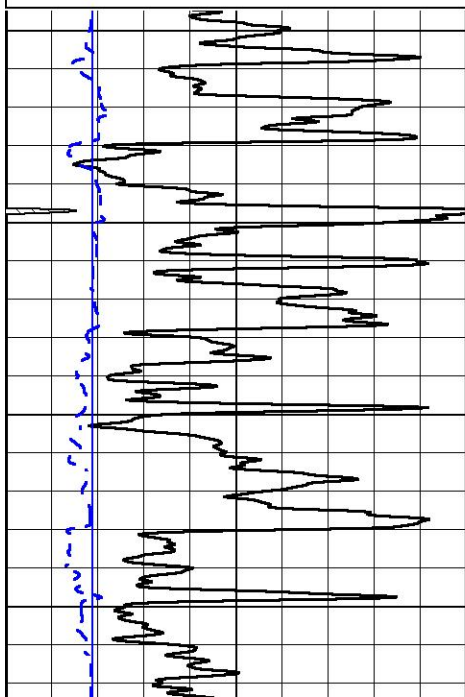
2" SCALE BULK DENSITY

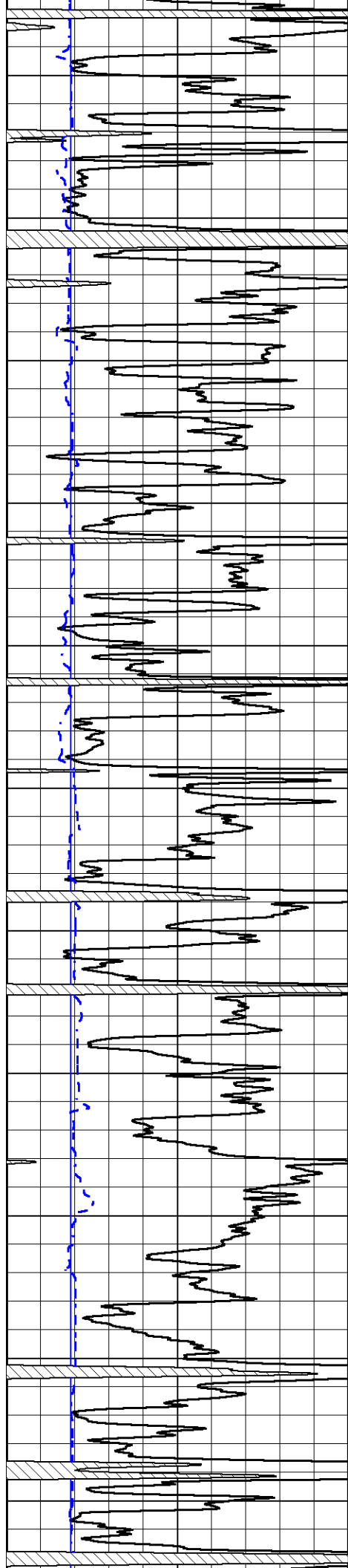
MAIN PASS

Database File arcadian_malone 1-22.db
Dataset Pathname stkml/pass4.1
Presentation Format _cdl
Dataset Creation Wed Dec 01 17:48:44 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





3900

3950

4000

4050

4100

4150

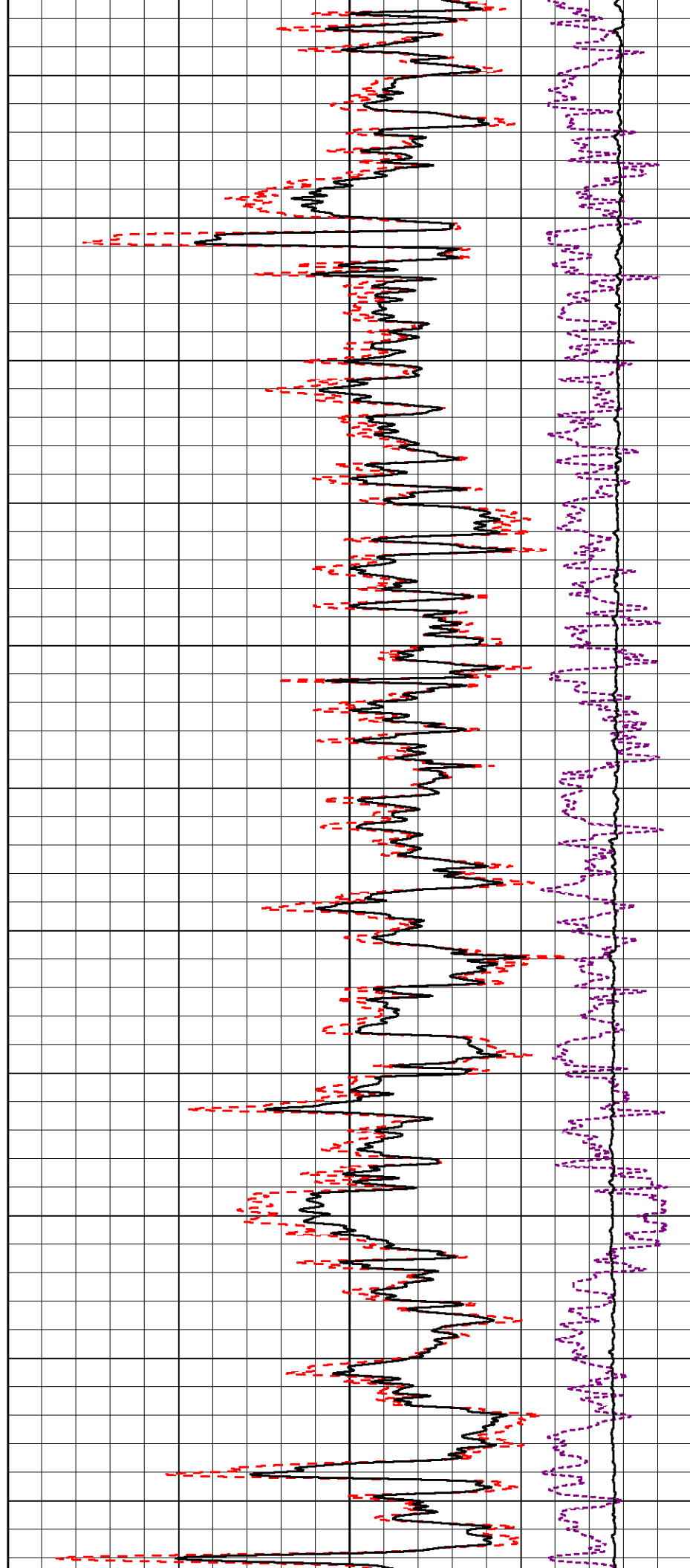
4200

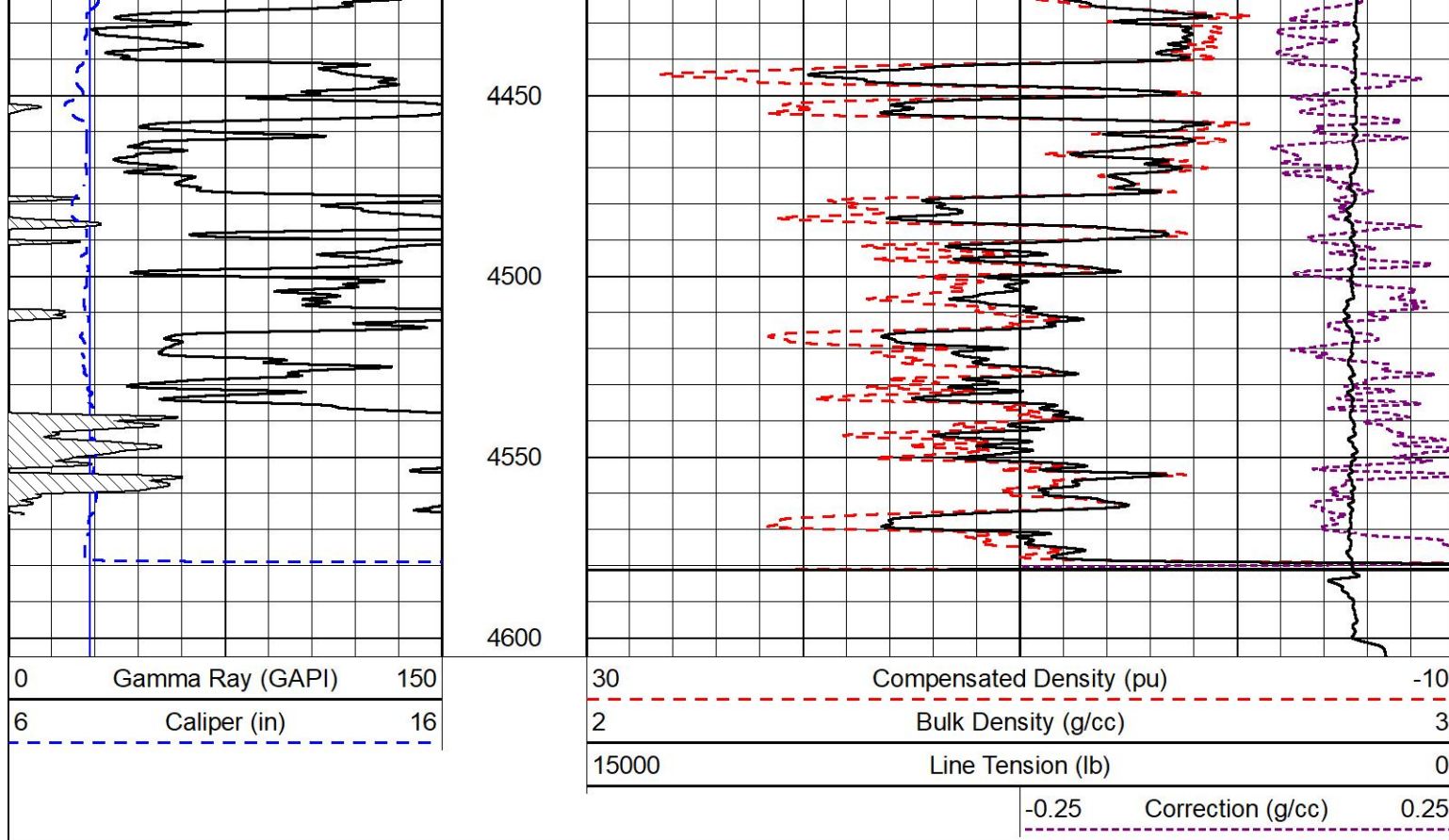
4250

4300

4350

4400

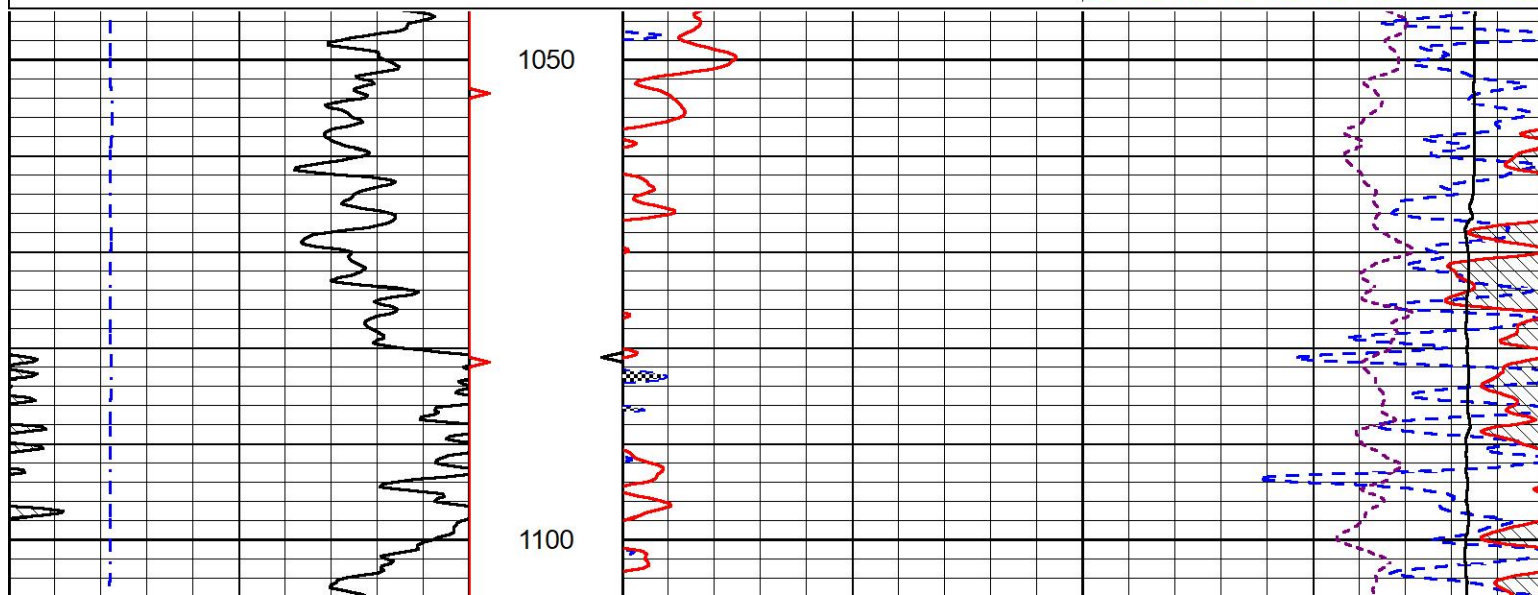
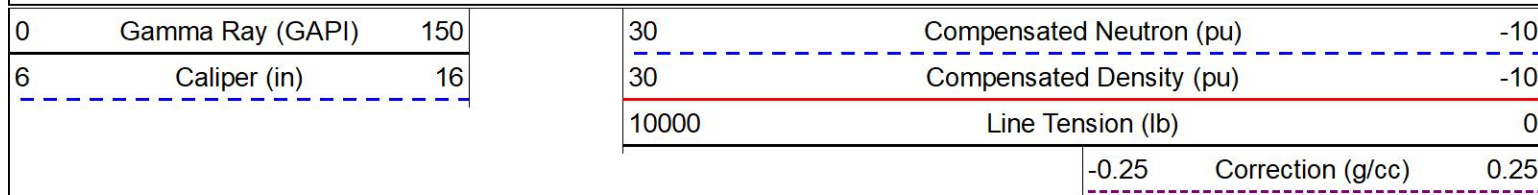


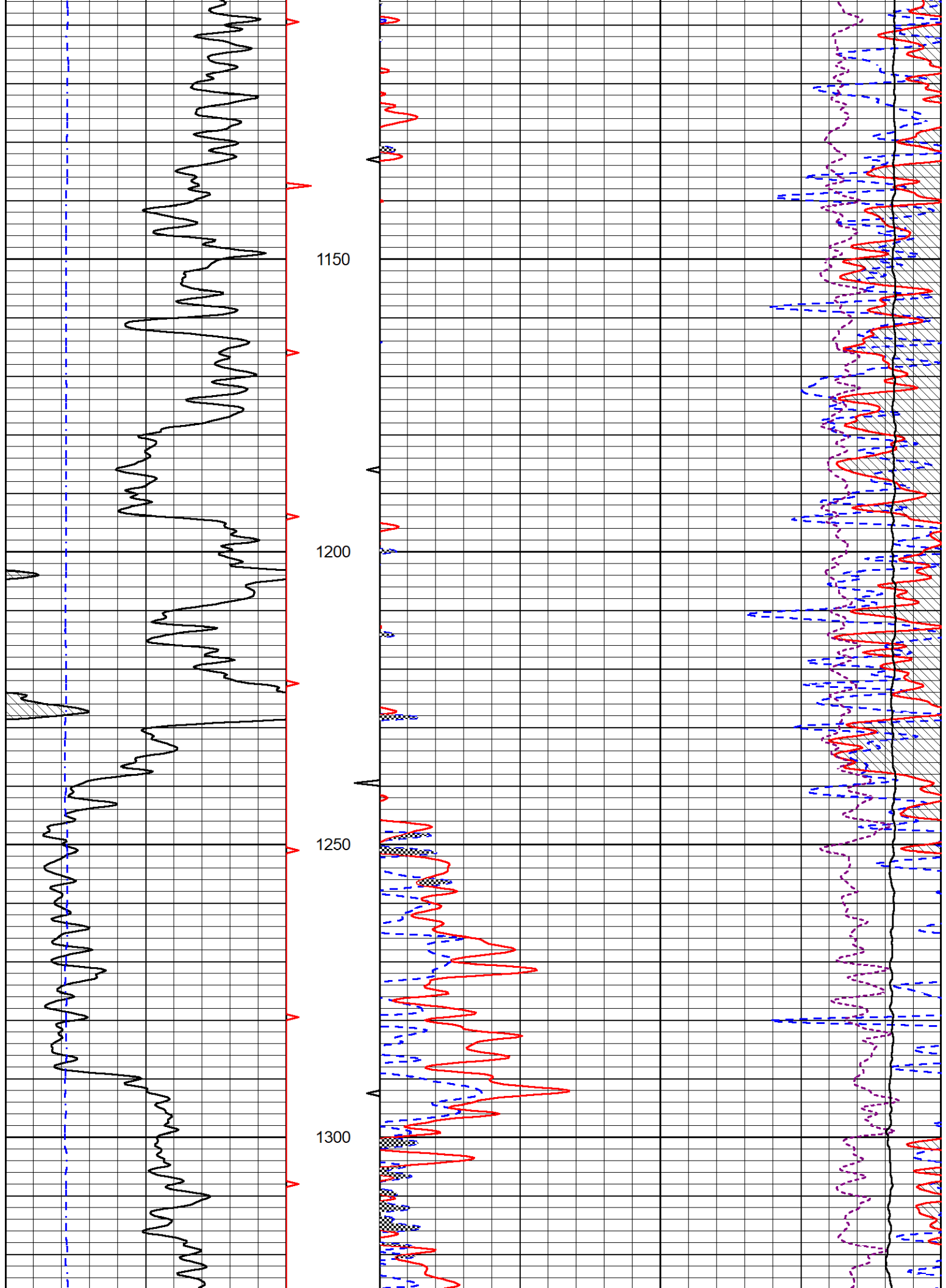


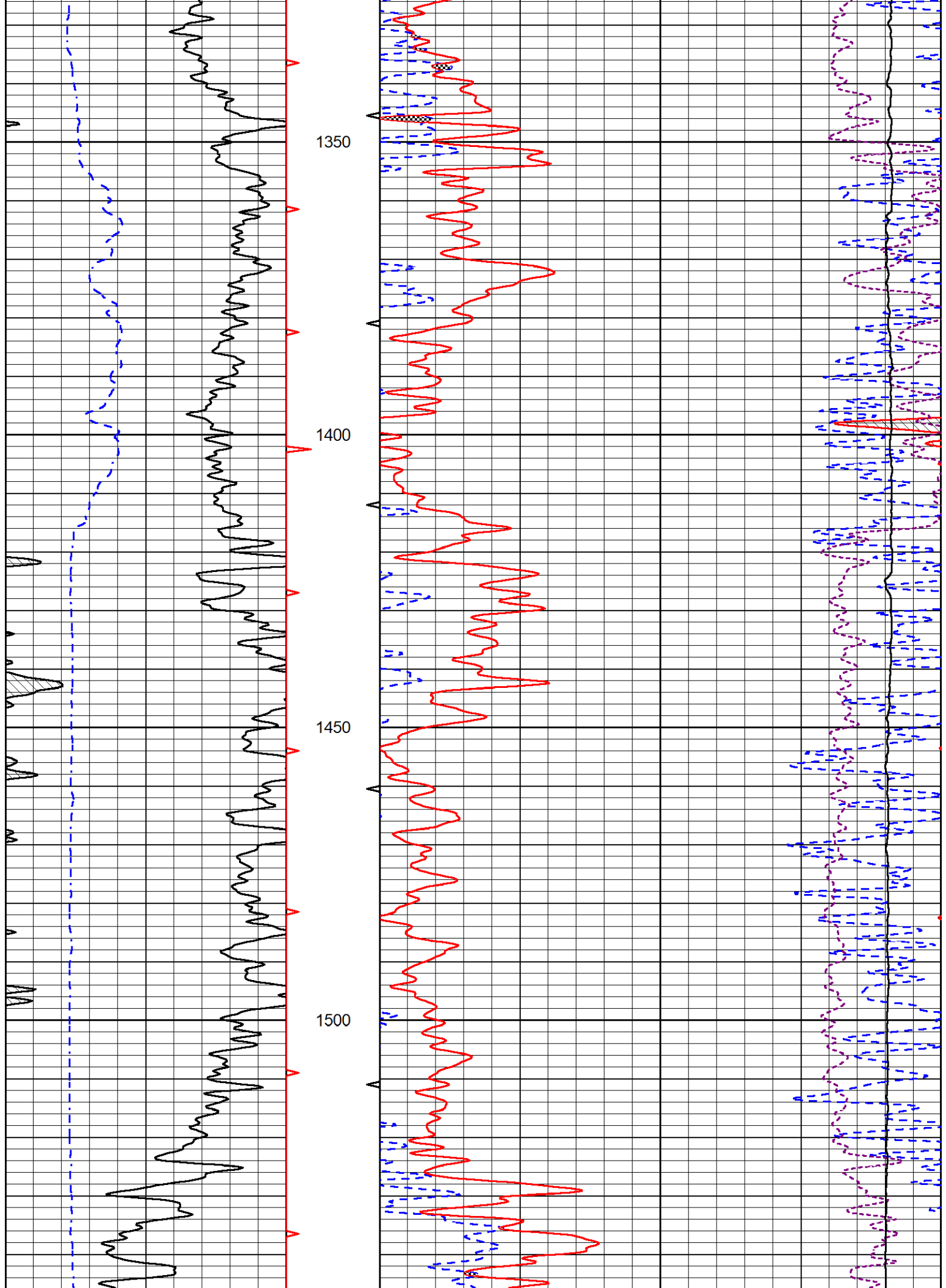
NIOBRARA SECTION

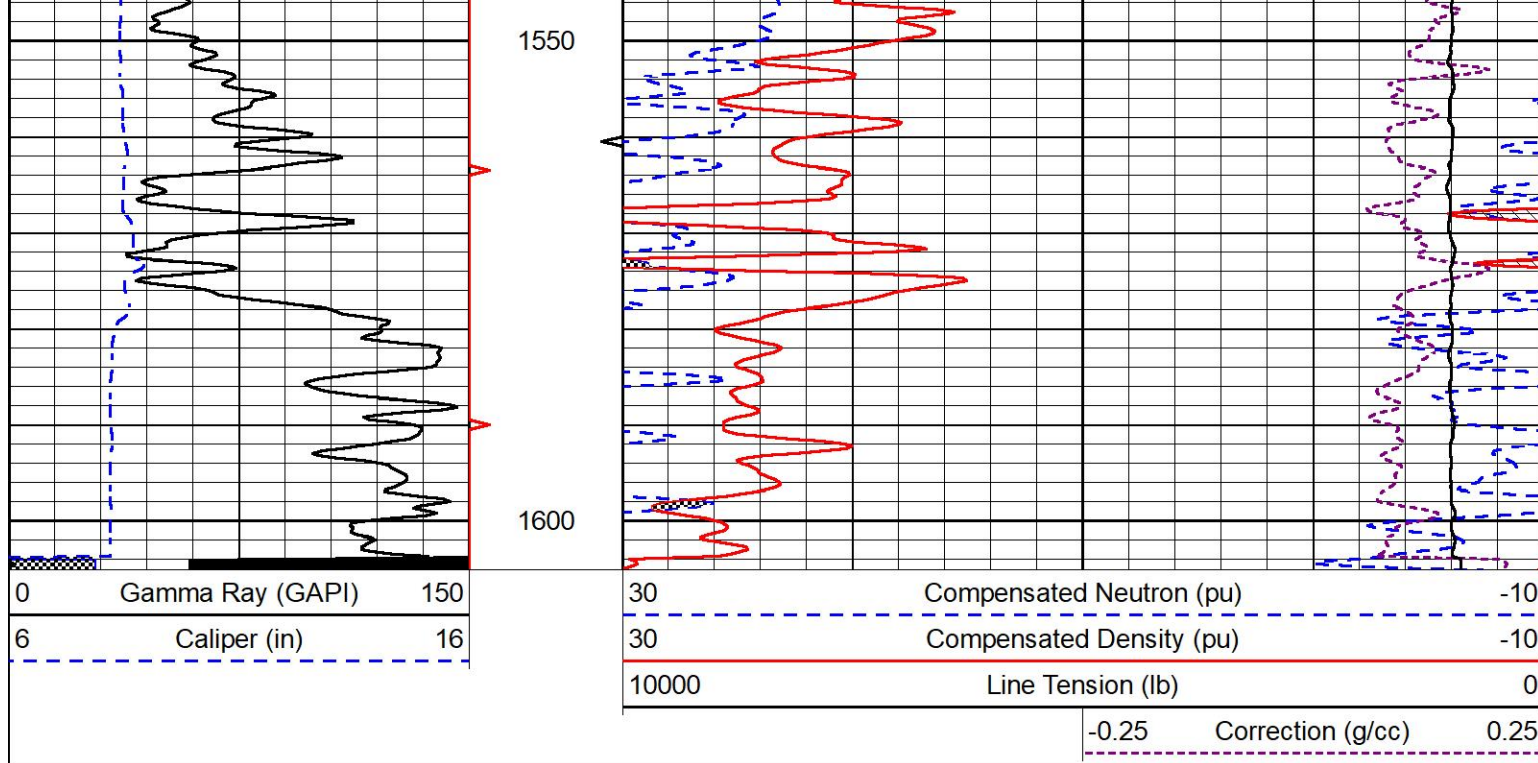
MAIN PASS

Database File: arcadian_malone 1-22.db
 Dataset Pathname: stkml/pass5.1
 Presentation Format: _CNDLS~1
 Dataset Creation: Wed Dec 01 17:48:51 2021
 Charted by: Depth in Feet scaled 1:240







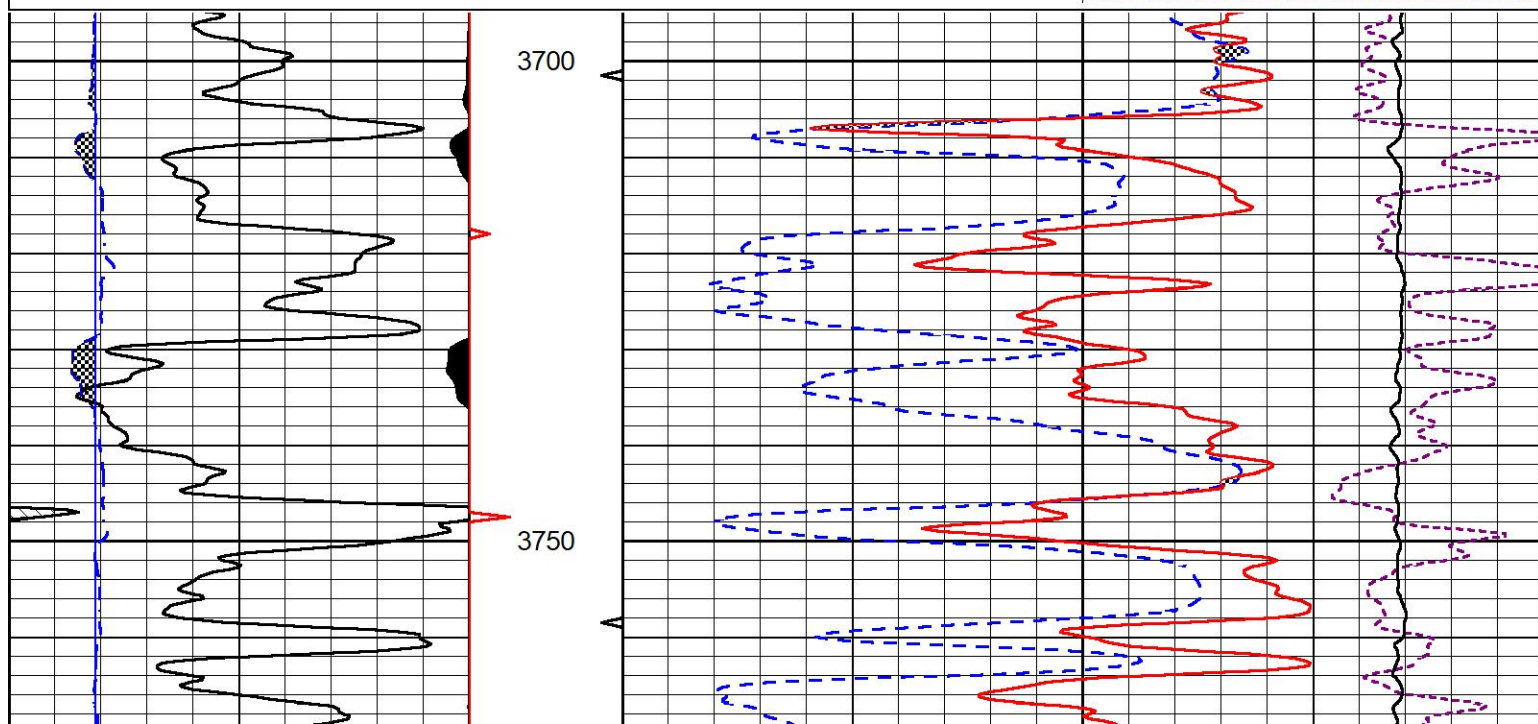
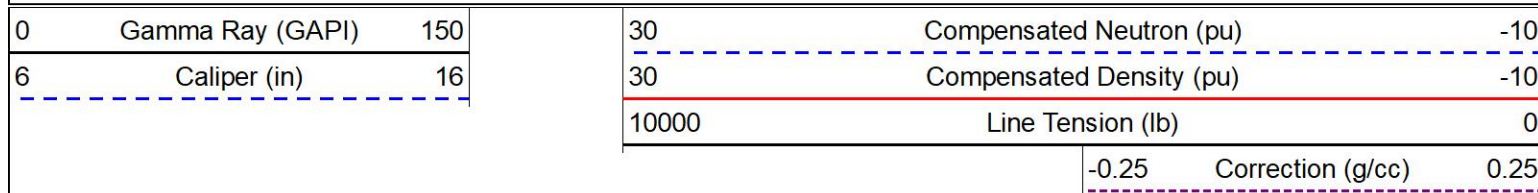


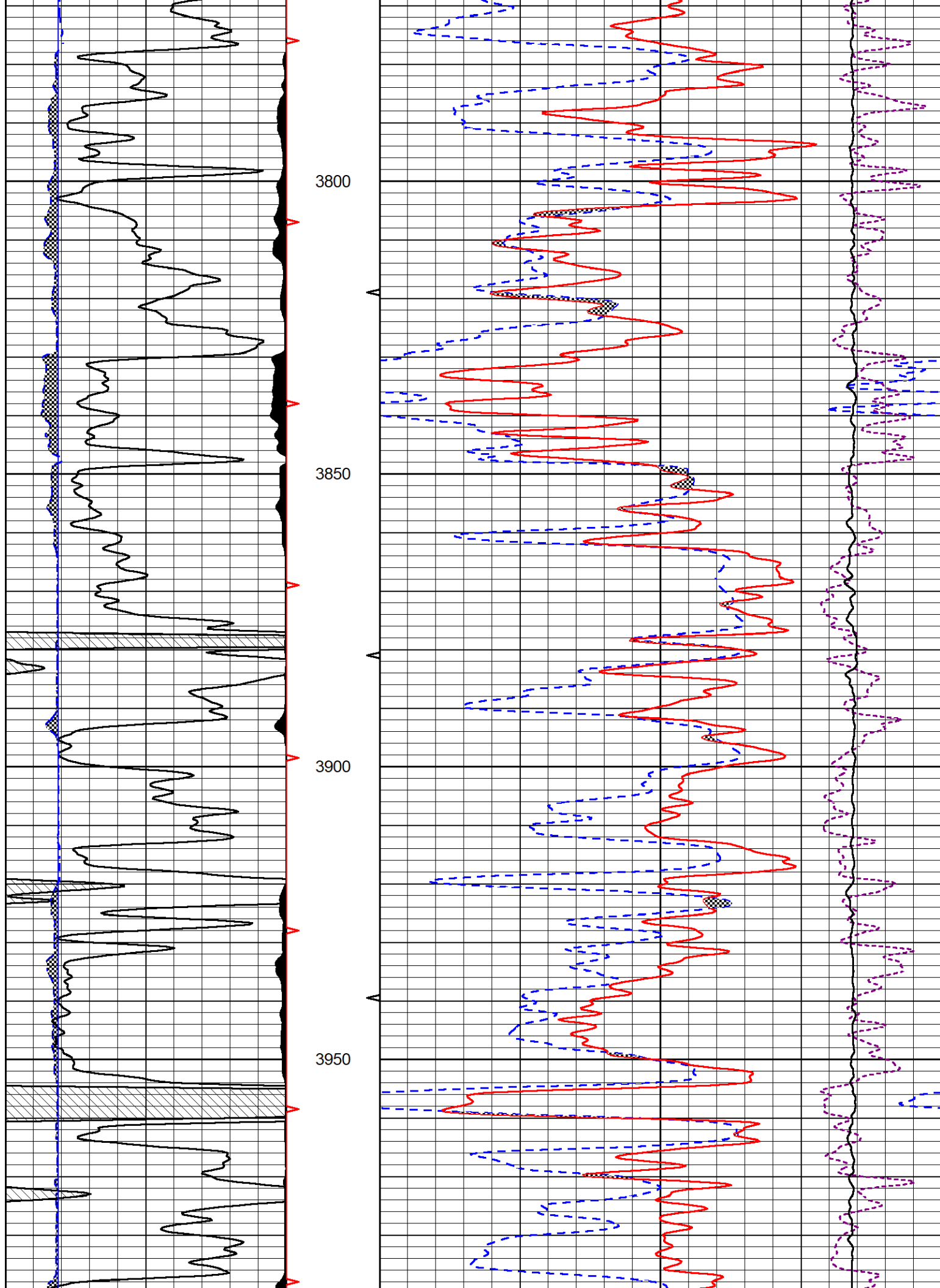
MIDWEST WIRELINE

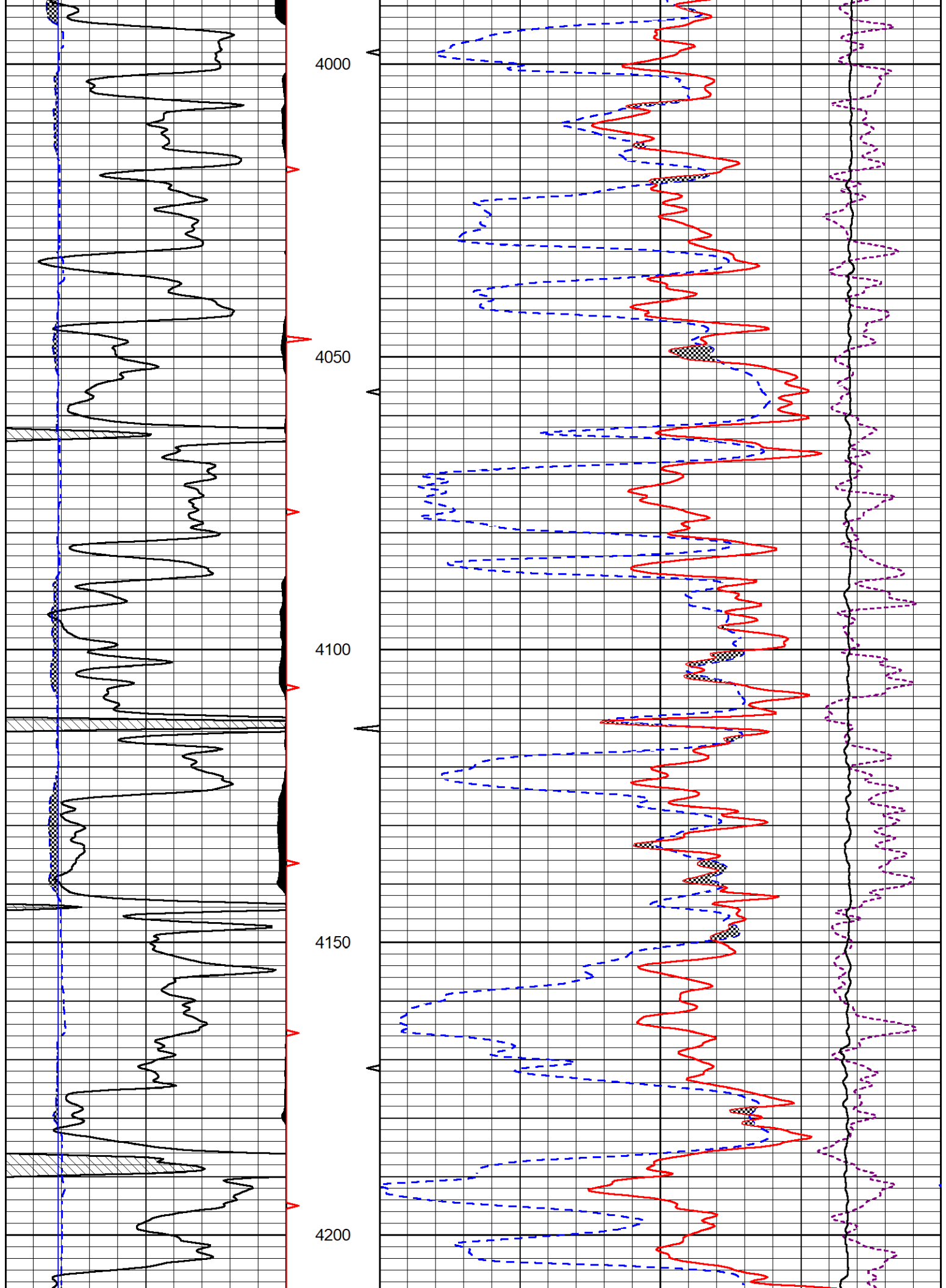
DETAIL SECTION

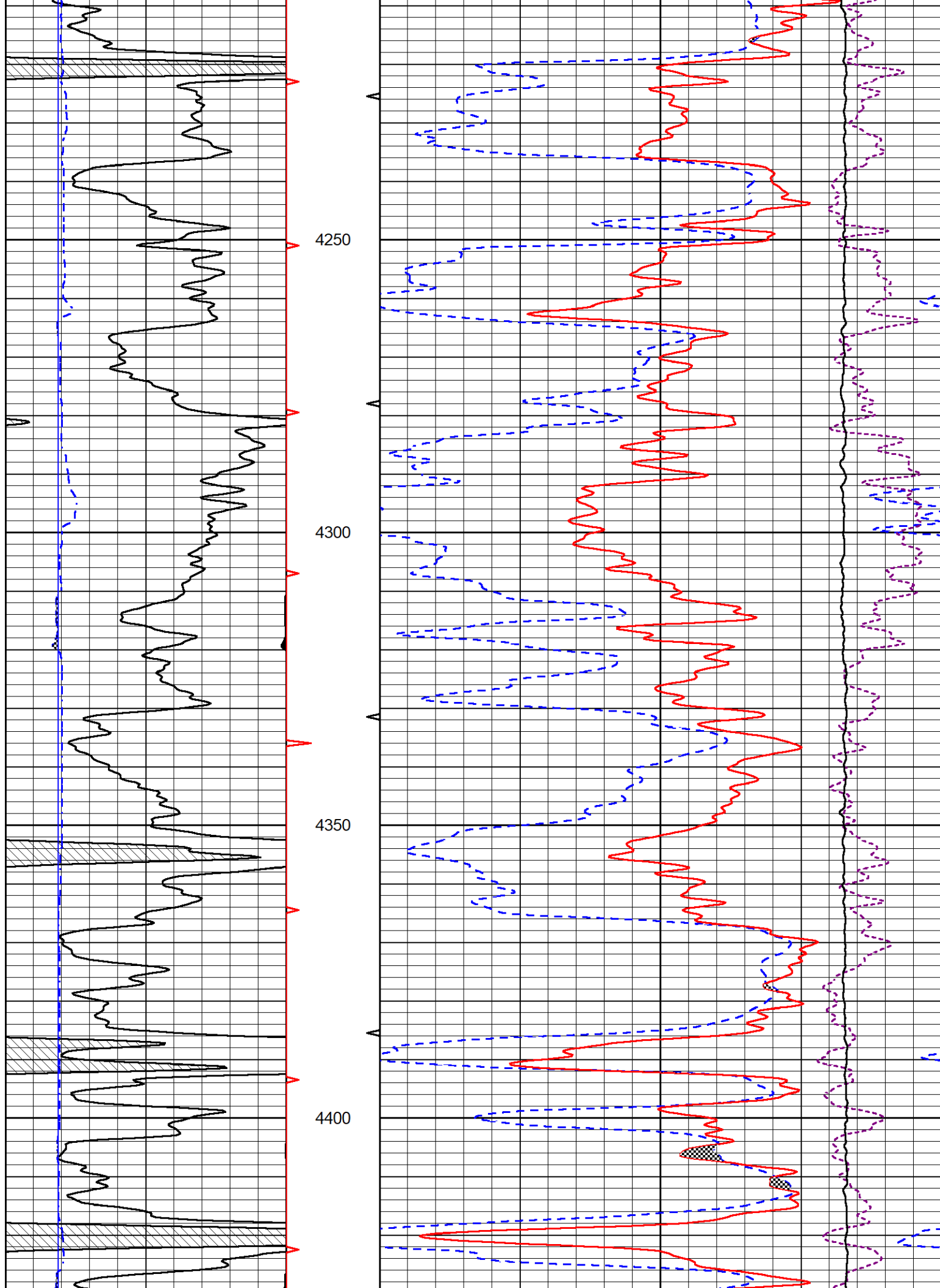
MAIN PASS

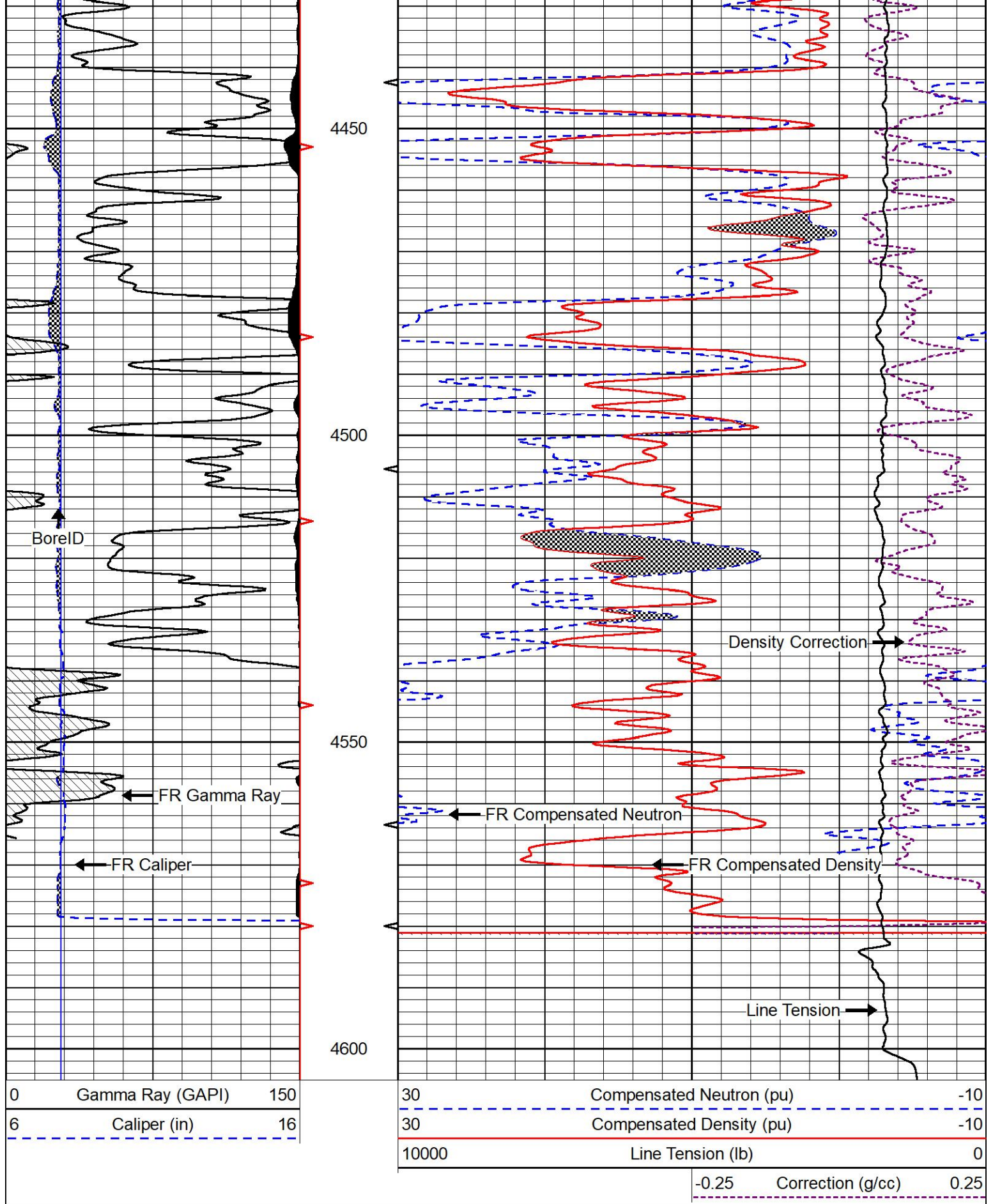
Database File arcadian_malone 1-22.db
 Dataset Pathname stkml/pass3.1
 Presentation Format _CNDLS~1
 Dataset Creation Wed Dec 01 17:48:22 2021
 Charted by Depth in Feet scaled 1:240











REPEAT SECTION

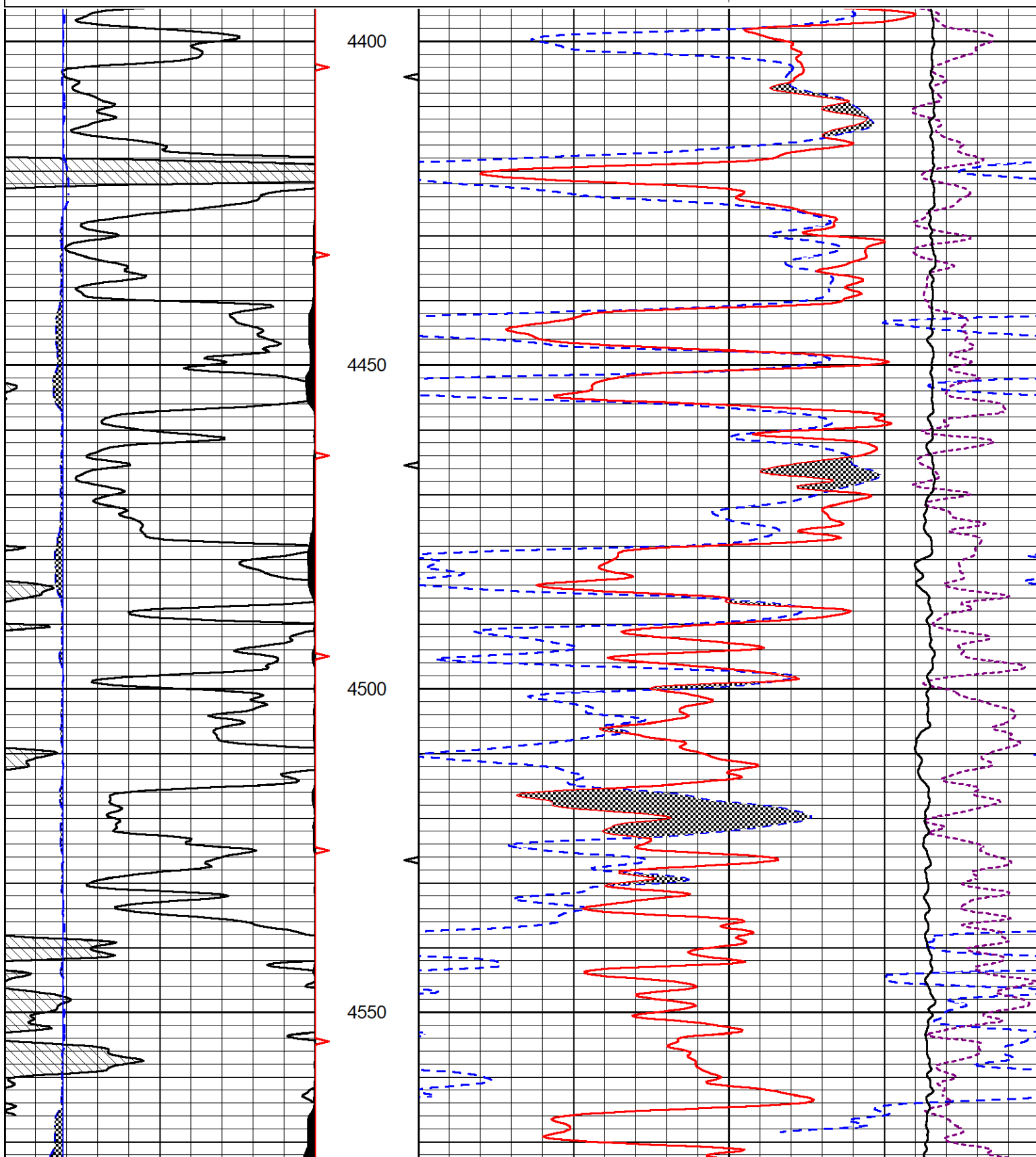
REPEAT PASS

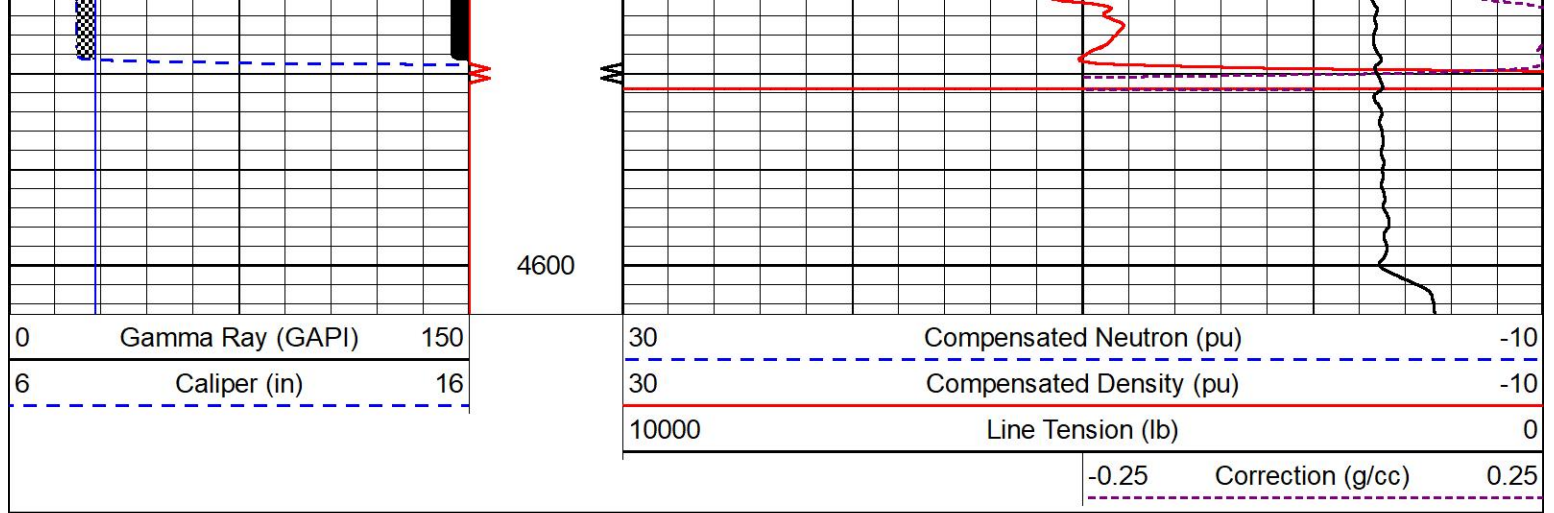


Database File arcadian_malone 1-22.db
Dataset Pathname stkml/pass2.1
Presentation Format _CNDLS~1
Dataset Creation Wed Dec 01 16:48:02 2021
Charted by Depth in Feet scaled 1:240

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





Company Arcadian Resources, LLC
Well Malone #1-22
Field
County Rawlins
State Kansas