



DUAL COMPENSATED
POROSITY w/PE

MIDWEST WIRELINE

Company Murfin Drilling Company, Inc.

Well Weis A #1-14

Field

County Sheridan

State Kansas

Location: API #: 15-179-21508-00-00

Other Services

SEC 14 TWP 6S RGE 28W

Permanent Datum Ground Level Elevation 2730

Log Measured From Kelly Bushing

K.B. 2735

Drilling Measured From Kelly Bushing

D.F. G.L. 2730

Date 8/1/2024

Run Number One

Type Log CNL/CDL

Depth Driller 4200

Depth Logger 4193

Bottom Logged Interval 4172

Top Logged Interval 3250

Type Fluid In Hole Chemical

Salinity, PPM CL 1300

Density 9.3

Level Full

Max. Rec. Temp. F 118

Operating Rig Time 5 Hours

Equipment -- Location 110 Hays

Recorded By D. Schmidt

Witnessed By Jeison Rodriquez

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

One 12.25 0 263 8.625 23 0 263

Two 7.875 263 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.

Hoxie,
North to 120th, 1 East, 1/2 North,
East into

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: Jeison Rodriquez
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	32.65		GR-M&W (105)	3.00	3.50	50.00
CNLSC	29.55		CNT-M&W (210)	5.00	3.50	100.00
CNSSC	28.80					
			MWLith-STEP LITHO Short (703-03)	8.40	5.00	250.00
LCAL	20.63		DIL-M&W (506)	18.25	3.50	220.00
LLW8N	20.63					
LLW7N	20.63					
LLW6N	20.63					
LLW5N	20.63					
LLW4N	20.63					
LLW3N	20.63					
LLW2N	20.63					
LLW1N	20.63					
LSLOCK	20.38					
LLLOCK	20.38					
PELTMPR	20.38					
LSHVNG	20.38					
LLHVNG	20.38					
LSW8N	20.13					
LSW7N	20.13					
LSW6N	20.13					
LSW5N	20.13					
LSW4N	20.13					
LSW3N	20.13					
LSW2N	20.13					
LSW1N	20.13					
RLL3F	15.50					
RLL3	15.50					
CILD	8.33					
CILM	4.50					
SP	0.20					
Dataset: murfin_weis a 1-14.db: field/well/stack/pass3.1						
Total length: 34.65 ft						
Total weight: 620.00 lb						
O.D.: 5.00 in						



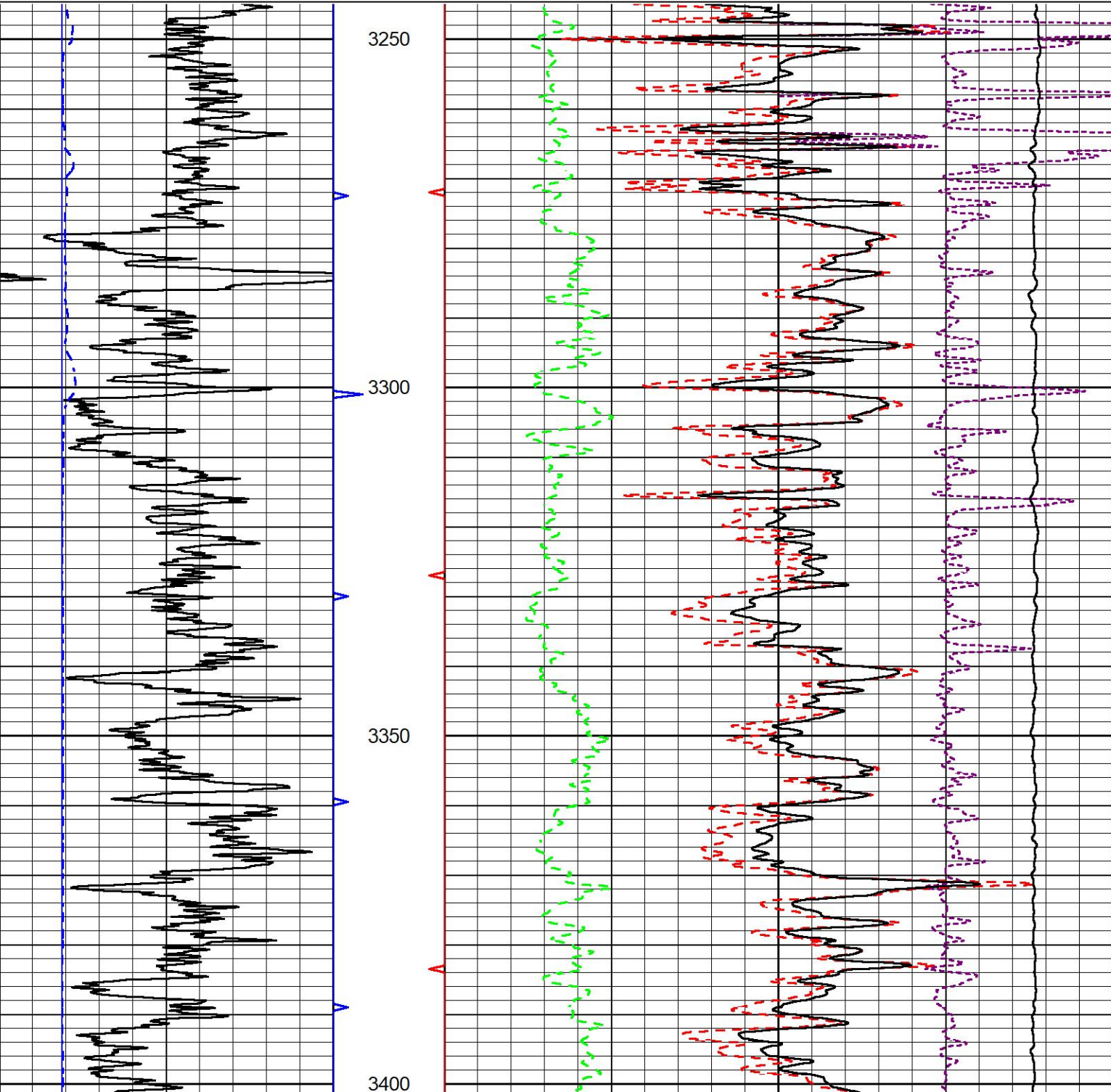
5" SCALE BULK DENSITY

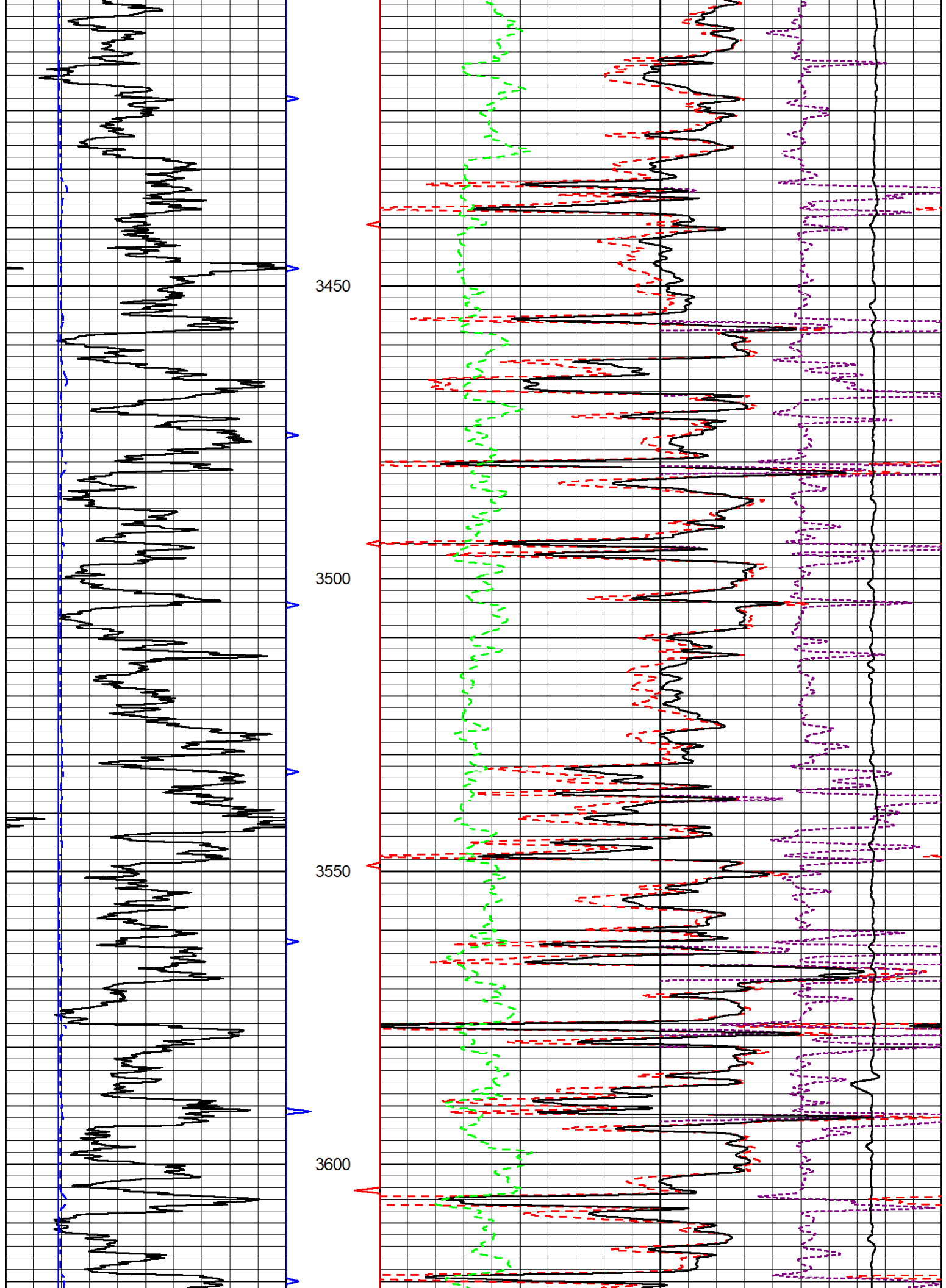
MAIN PASS

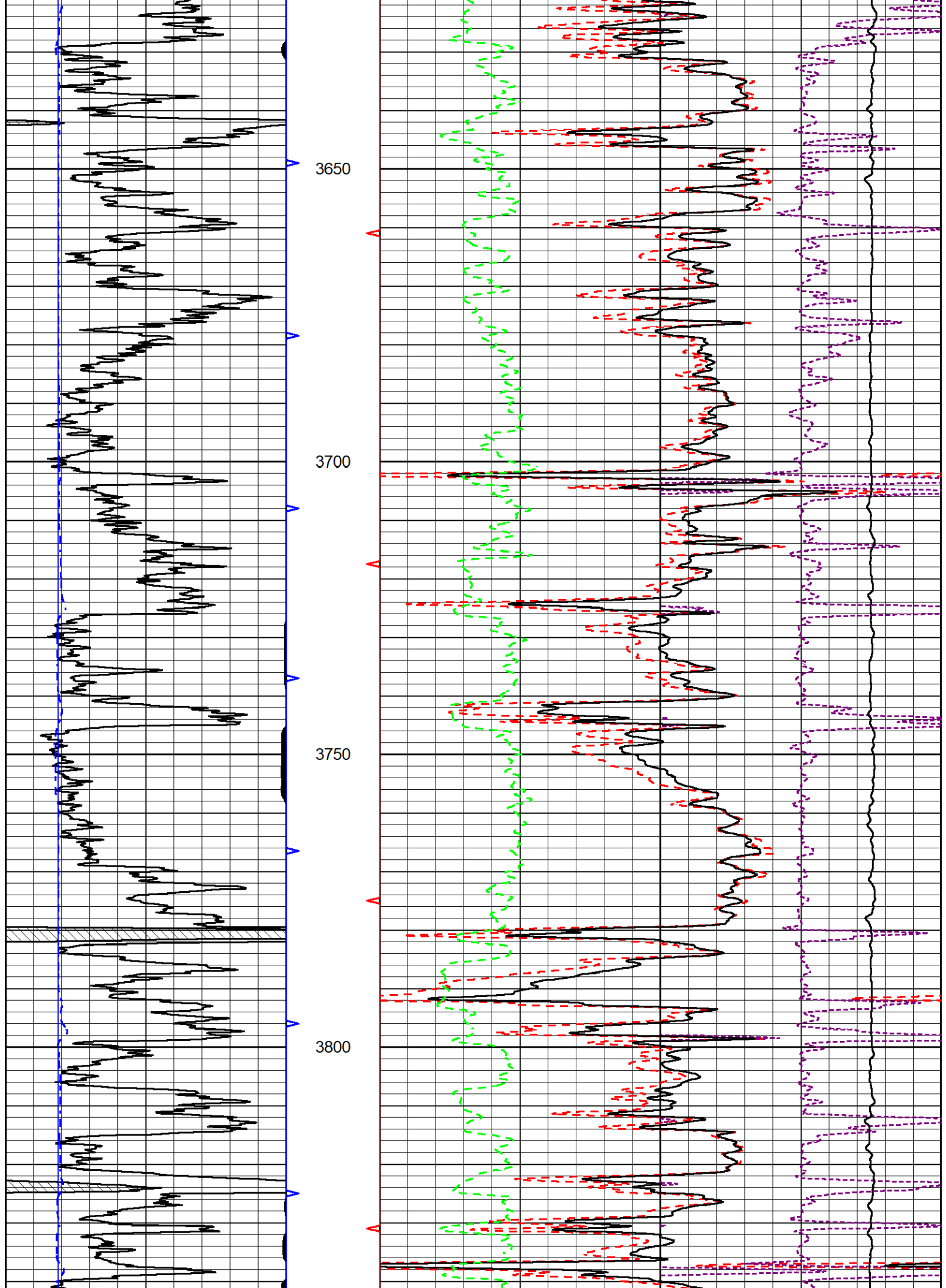
Database File murfin_weis a 1-14.db
Dataset Pathname stack/pass3.2
Presentation Format _cdlpe
Dataset Creation Fri Aug 02 01:13:57 2024
Charted by Depth in Feet scaled 1:240

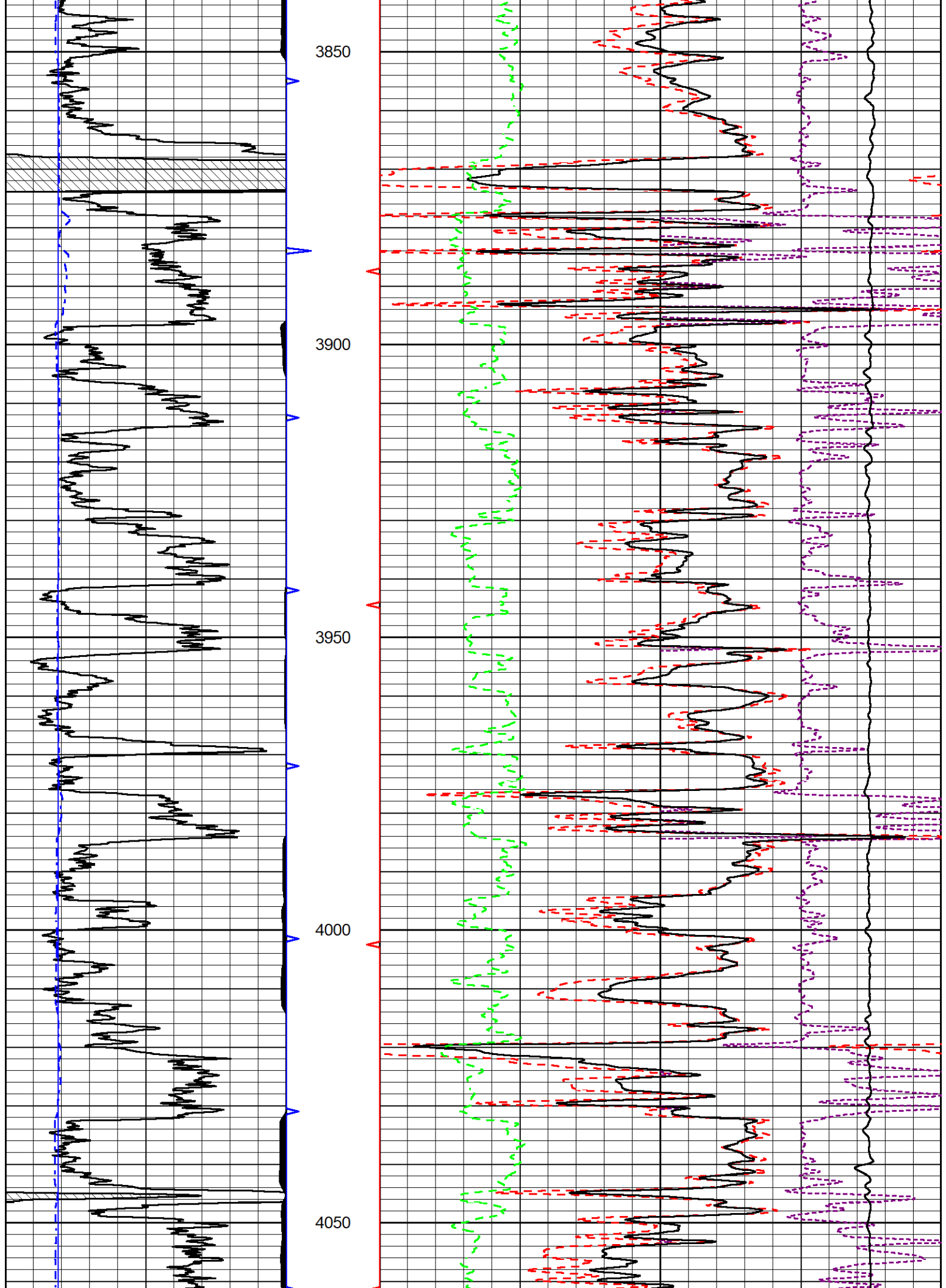
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

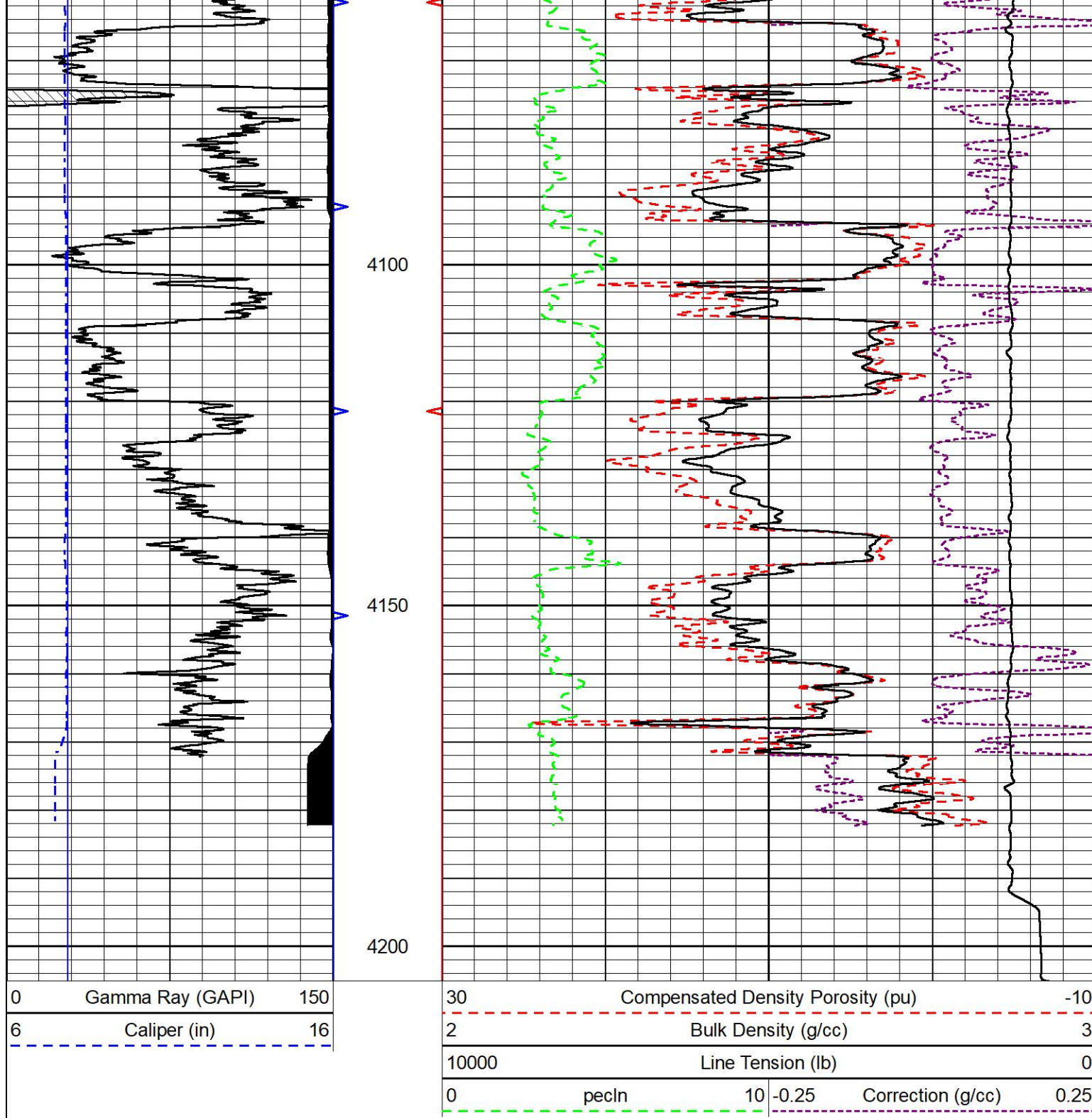
30	Compensated Density Porosity (pu)	-10
2	Bulk Density (g/cc)	3
10000	Line Tension (lb)	0
0	pecln	10
-0.25	Correction (g/cc)	0.25











MIDWEST WIRELINE

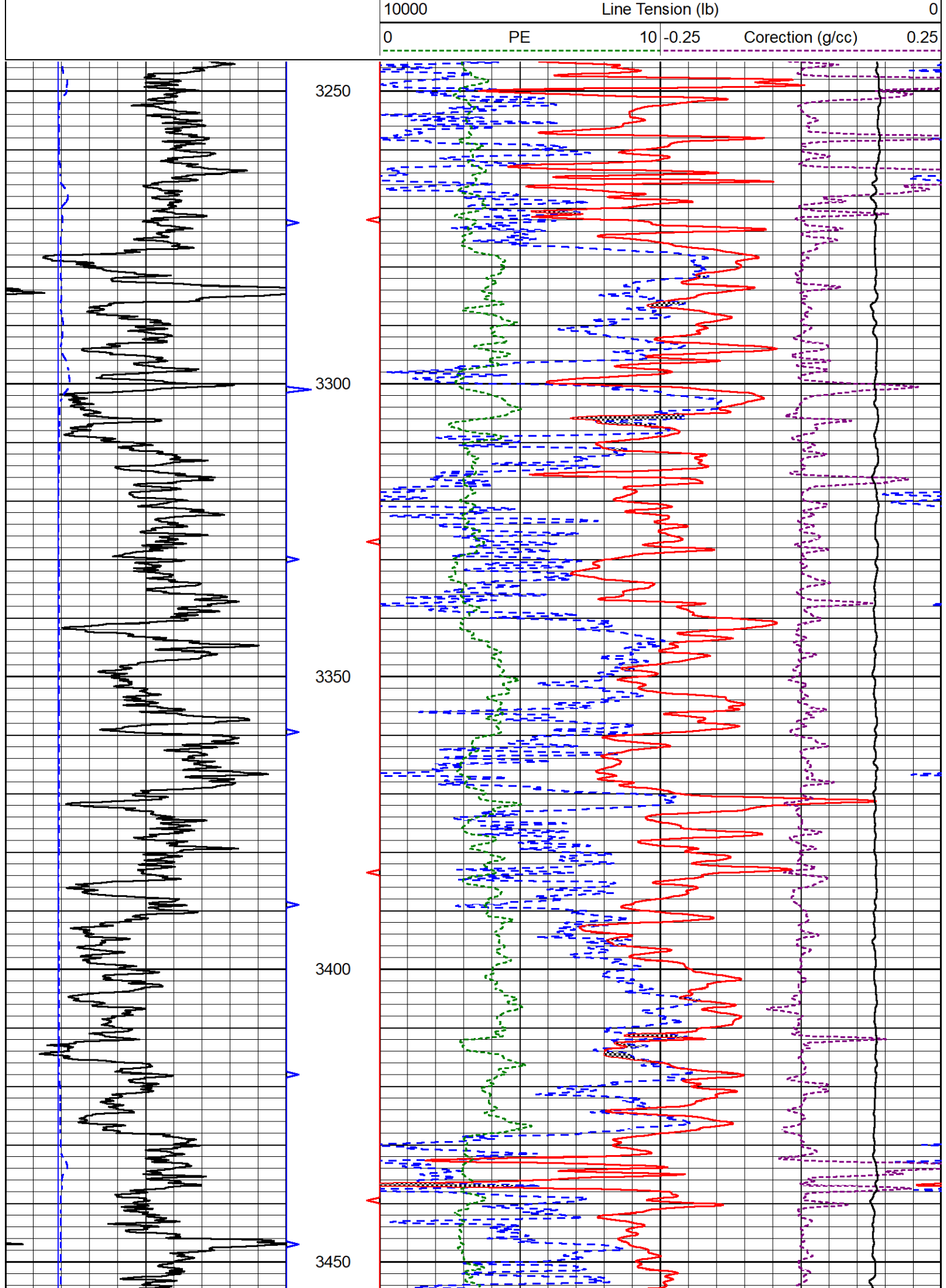
DETAIL SECTION

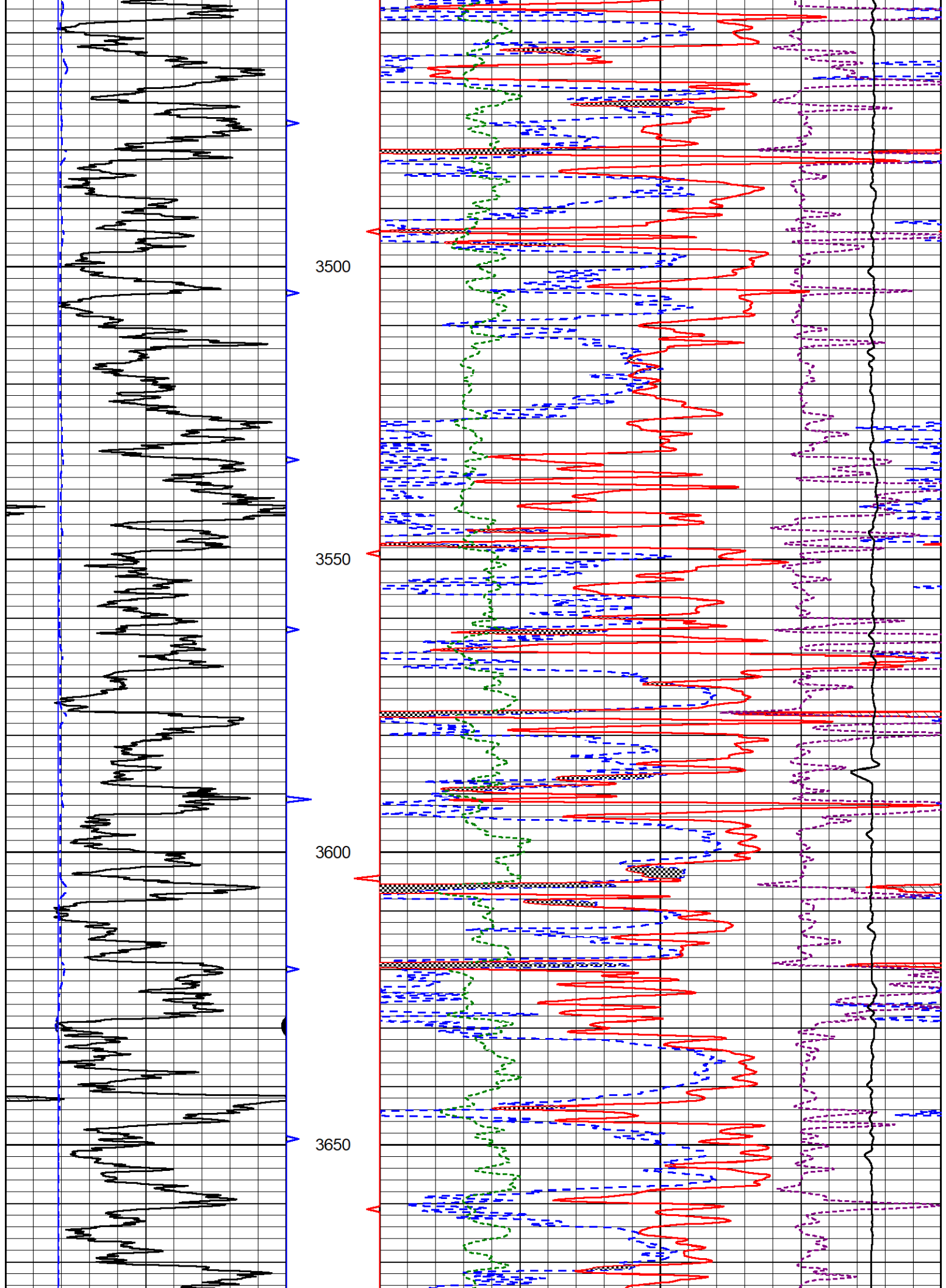
MAIN PASS

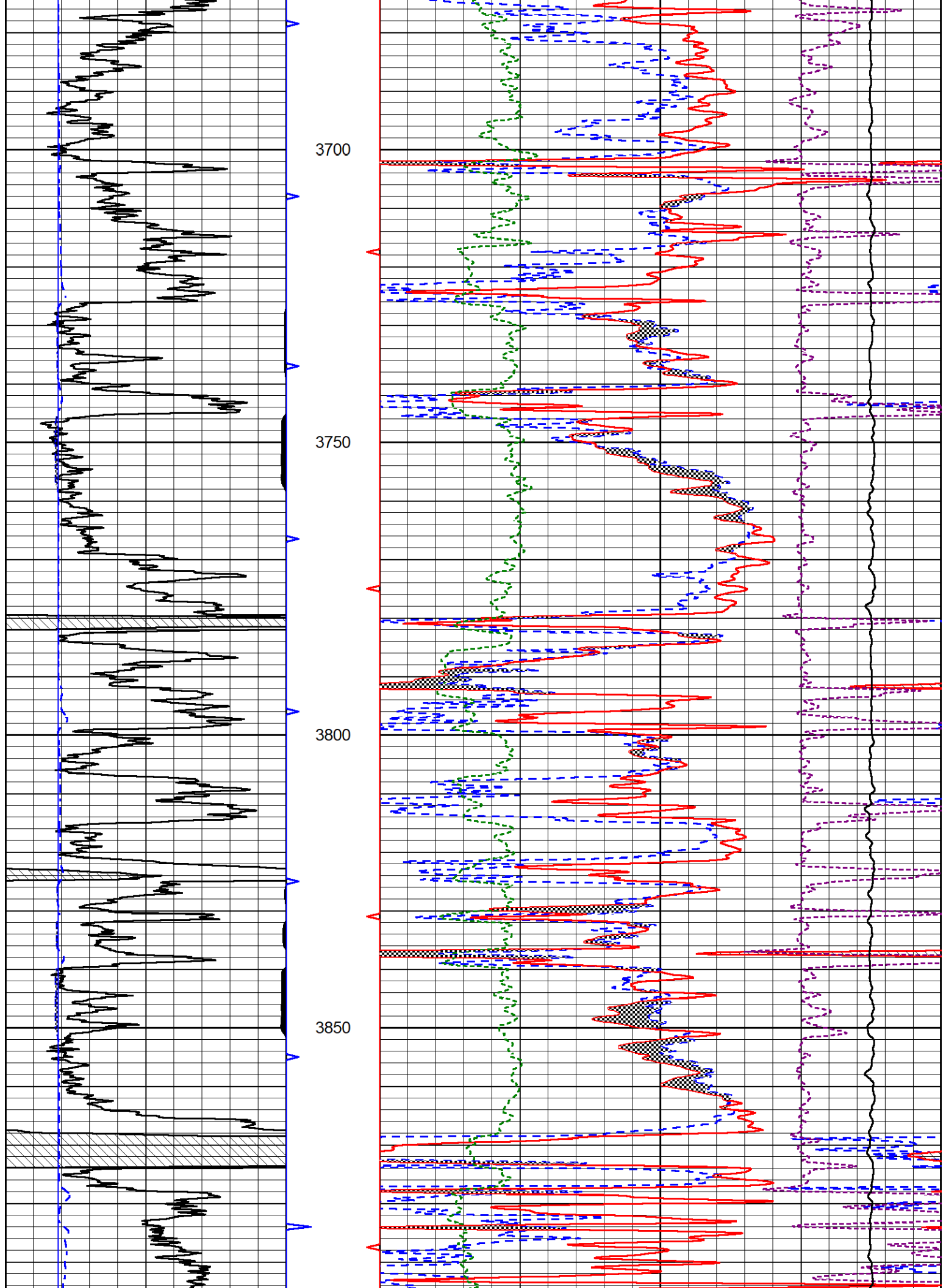
Database File: murfin_weis a 1-14.db
 Dataset Pathname: stack/pass3.14
 Presentation Format: _CNDLS~2
 Dataset Creation: Fri Aug 02 00:43:47 2024
 Charted by: Depth in Feet scaled 1:240

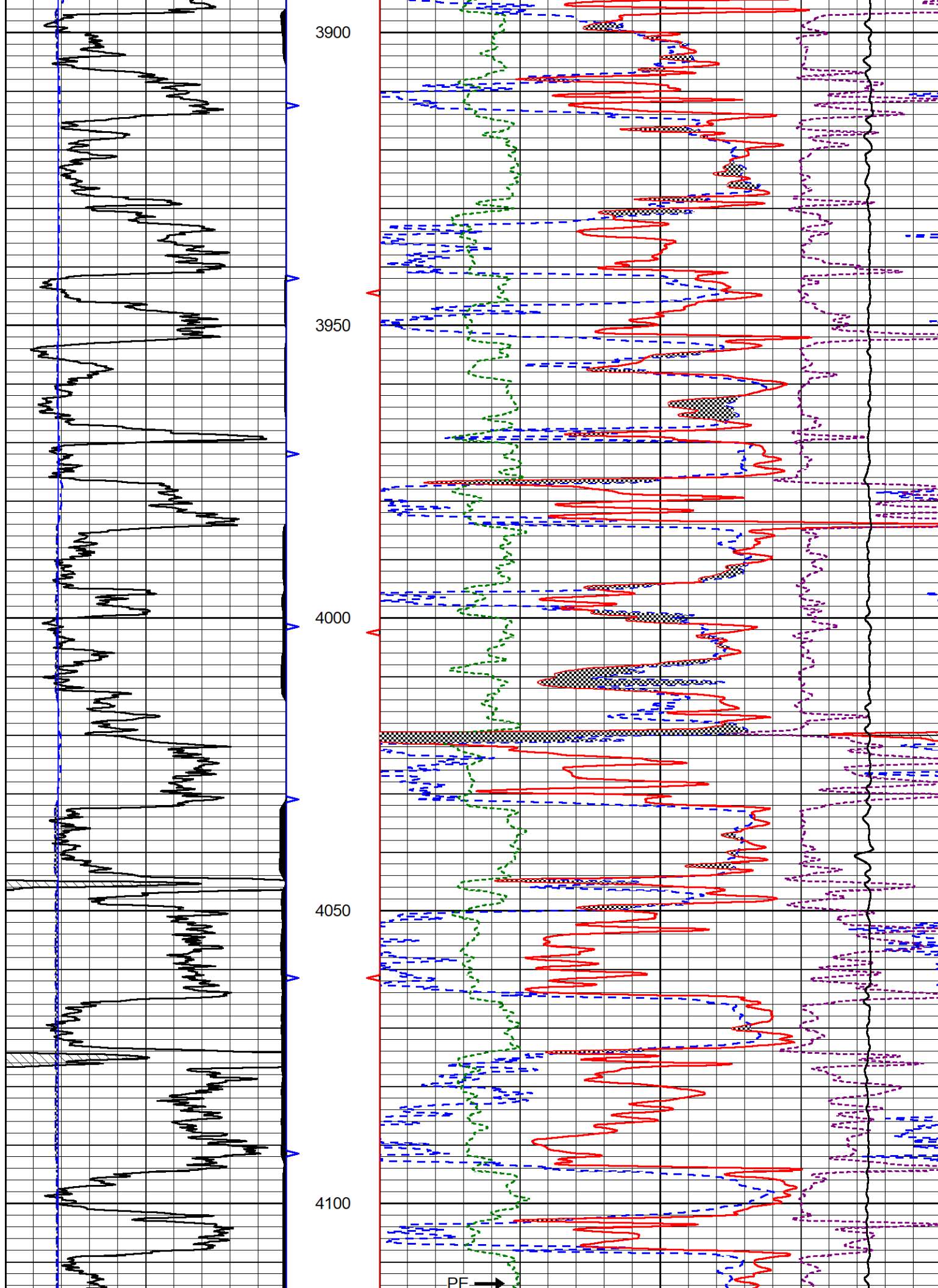
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

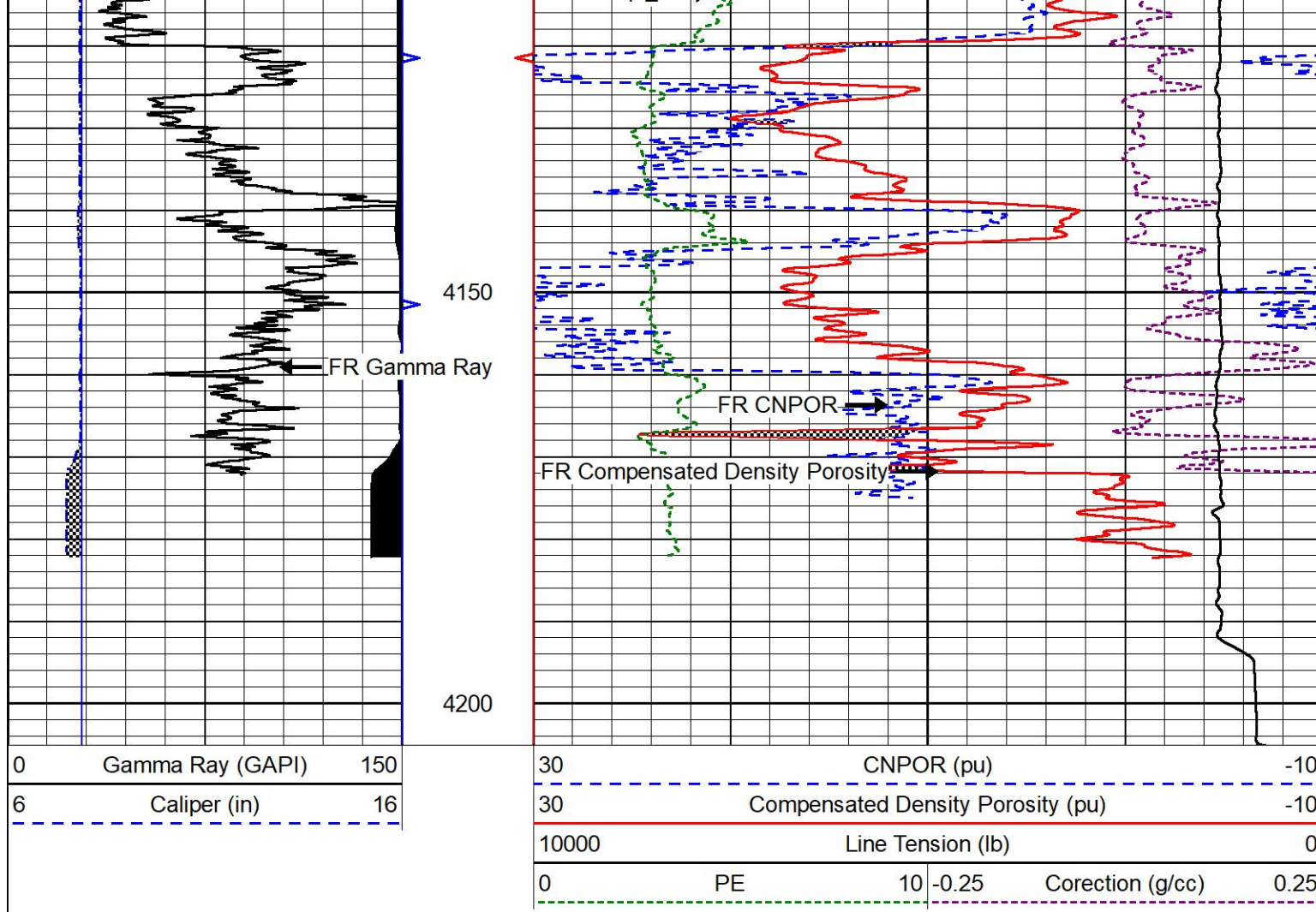
30	CNPOR (pu)	-10
30	Compensated Density Porosity (pu)	-10









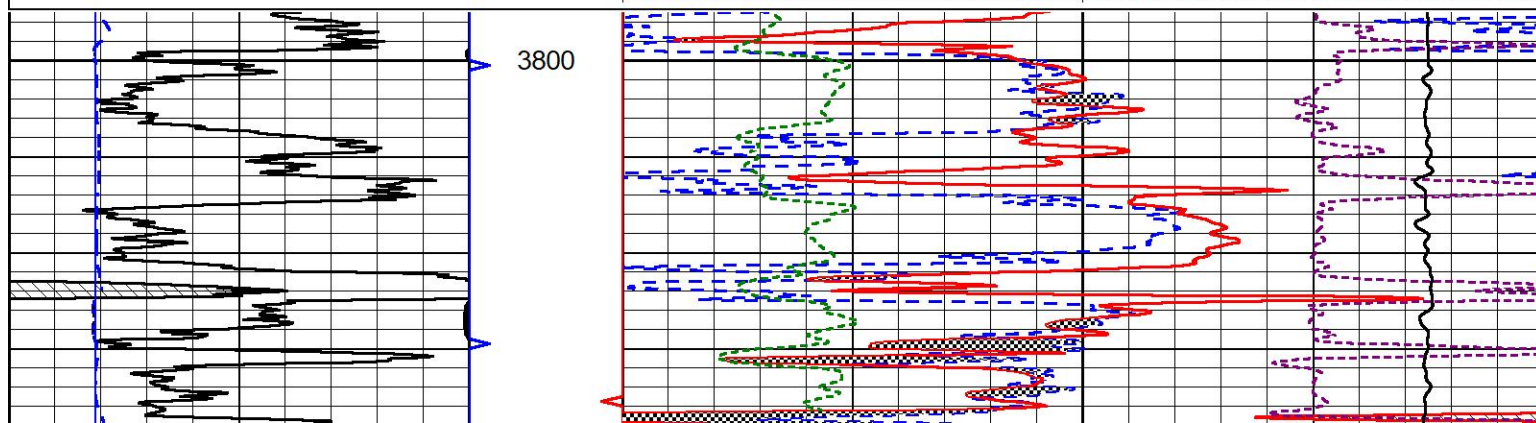
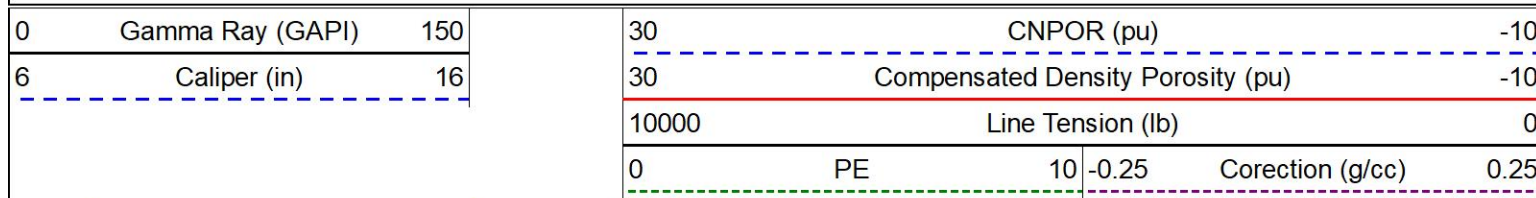


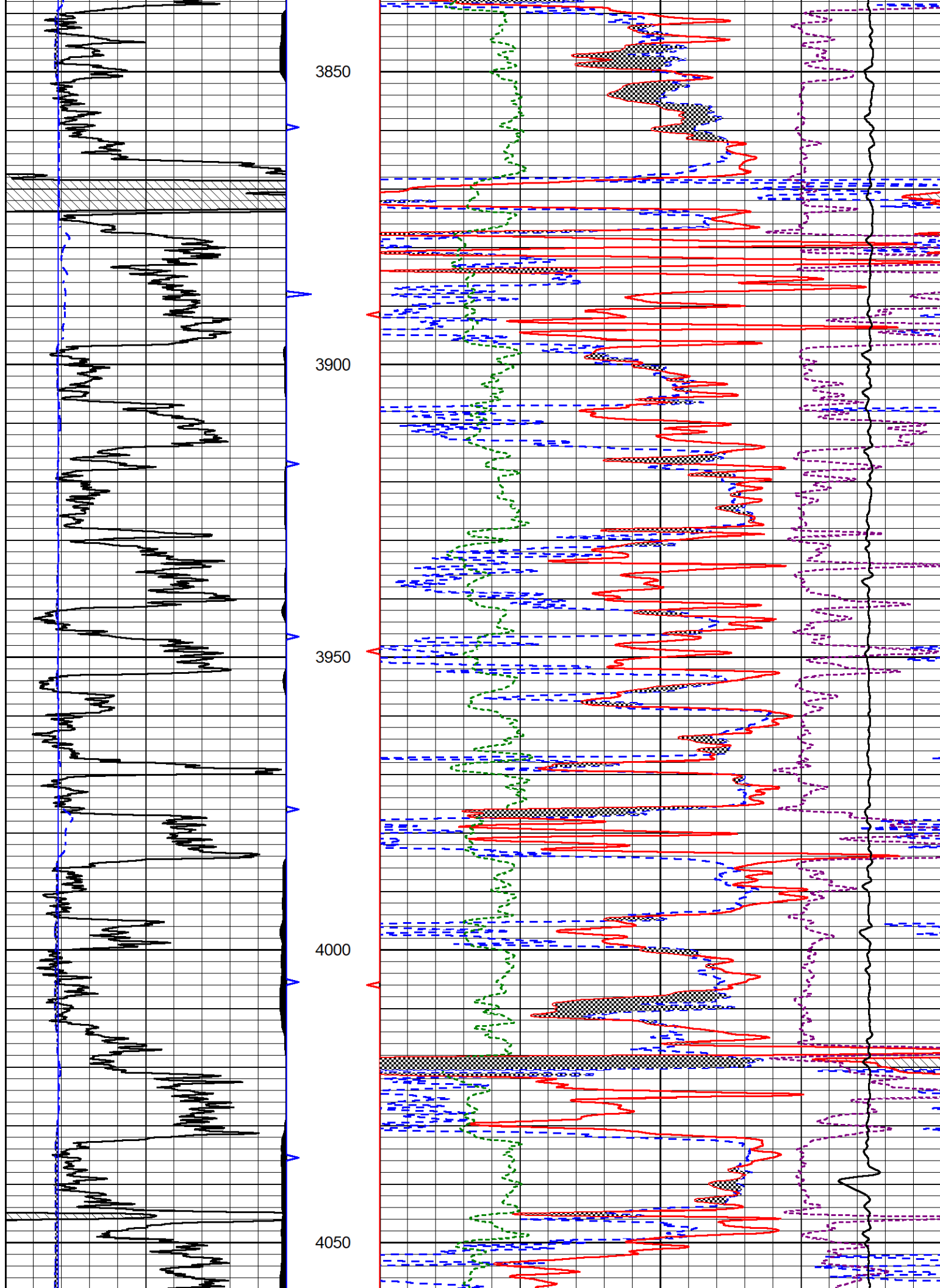
MIDWEST WIRELINE

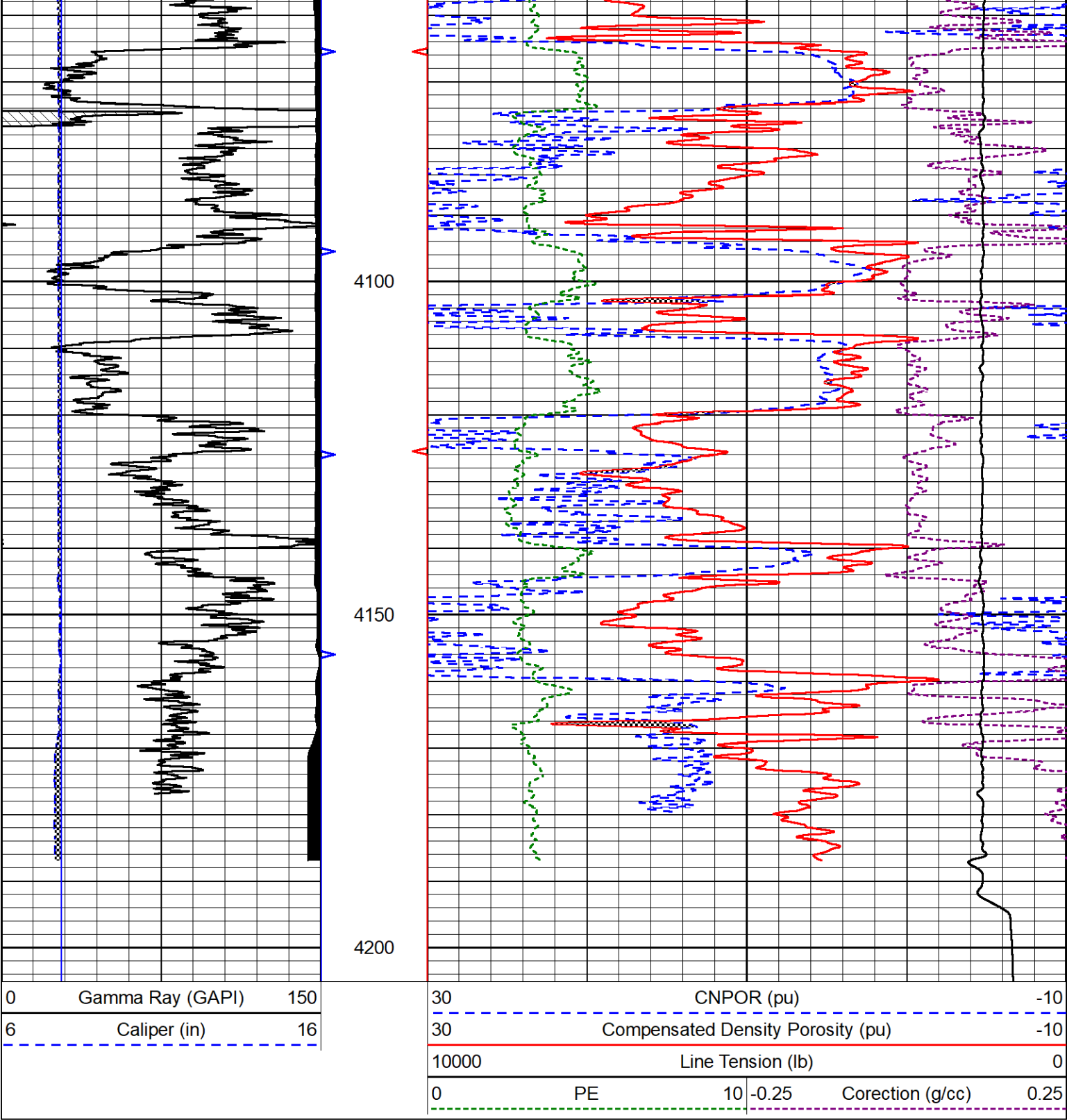
REPEAT SECTION

REPEAT PASS

Database File murfin_weis a 1-14.db
 Dataset Pathname stack/pass2.1
 Presentation Format _CNDLS~2
 Dataset Creation Fri Aug 02 00:38:34 2024
 Charted by Depth in Feet scaled 1:240







Calibration Report	
Database File	murfin_weis a 1-14.db
Dataset Pathname	stack/pass3.14
Dataset Creation	Fri Aug 02 00:43:47 2024
Dual Induction Calibration Report	
Serial-Model:	506-M&W
Surface Cal Performed:	Sun Jun 30 20:32:27 2024

Readings		References		Results	
Loop:	Air	Loop	Air	m	b

Deep	84.211	428.152			0.000	255.800	mmho/m	0.465	-32.000
Medium	141.000	670.654			0.000	255.800	mmho/m	0.390	-10.000
LITHODENSITY Calibration Report									
Serial Number:		703-03							
Tool Model:		STEP LITHO Short							
Performed:		Fri May 31 13:59:15 2024							
Source:									
	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8	
Background:									
SS:	56	59	223	276	25	75	46	1	cps
LS:	83	90	344	441	51	132	90	3	cps
Aluminum:									
SS:	1063	1260	2893	2631	48	80	48	3	cps
LS:	1179	2084	3854	1823	62	133	86	5	cps
Magnesium:									
SS:	1756	2035	4740	3894	55	79	49	4	cps
LS:	4981	8390	15059	6054	115	127	85	14	cps
Aluminum+Iron:									
SS:	676	887	2426	2310	45	79	52	2	cps
LS:	700	1495	3280	1630	60	131	90	5	cps
		Density			PE				
		Actual	Calibrated		Actual	Calibrated	Quality		
Background:									
SS:							0.236		
LS:							0.189		
Aluminum:									
SS:		2.6000	2.6000	g/cc			0.249		
LS:		2.6000	2.6000	g/cc			0.216		
Magnesium:									
SS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.232		
LS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.198		
Aluminum+Iron:									
SS:						6.1800	0.208		
LS:						6.1800	0.188		

Caliper:		Reference:		Reading:	
Small Ring:		6.0	in	1.0	
Large Ring:		14.0	in	1.0	
Gain:		12.765			
Offset:		2.170			

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			

Tool Model:
Performed:

M&V
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



MIDWEST WIRELINE

Company

Murfin Drilling Company, Inc.

Well

Weis A #1-14

Field

County

Sheridan

State

Kansas