



DUAL COMPENSATED
POROSITY w/PE

MIDWEST WIRELINE

Company Satchell Creek Petroleum LLC

Well Hobbs A #5-34

Field

County Graham

State Kansas

Location:

API #: 15-065-24287-00-00

Other Services

SE SW NW NE
993 FNL & 2184 FEL

SEC 34 TWP 10S RGE 25W

DIL/MEL

Permanent Datum

Ground Level

Elevation 2486

Elevation

Log Measured From

Kelly Bushing

Elevation

K.B. 2493

Drilling Measured From

Kelly Bushing

Elevation

D.F. 2486

Date

9/6/2023

Run Number

One

Type Log

CNL/CDL

Depth Driller

4444

Depth Logger

4438

Bottom Logged Interval

4409

Top Logged Interval

3300

Type Fluid In Hole

Chemical

Salinity, PPM CL

1700

Density

9.2

Level

Full

Max. Rec. Temp. F

120

Operating Rig Time

4 Hours

Equipment -- Location

P-24 Hays

Recorded By

T. Martin

Witnessed By

Sydney Smith

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One

12.25

00

220

8.625

23

00

220

Two

7.875

220

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.

St Peter, KS, S to Graham Co Rd B,
1/4 W, S then W into

Log Measured From: Kelly Bushing

7 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Sydney Smith
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\satchell_hobbs a #5-34.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 120	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 0	SNDERRM mmho/m -6	SPSHIFT mV 590	SRFTEMP degF 80	SZCOR Off	TDEPTH ft 4438		

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
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

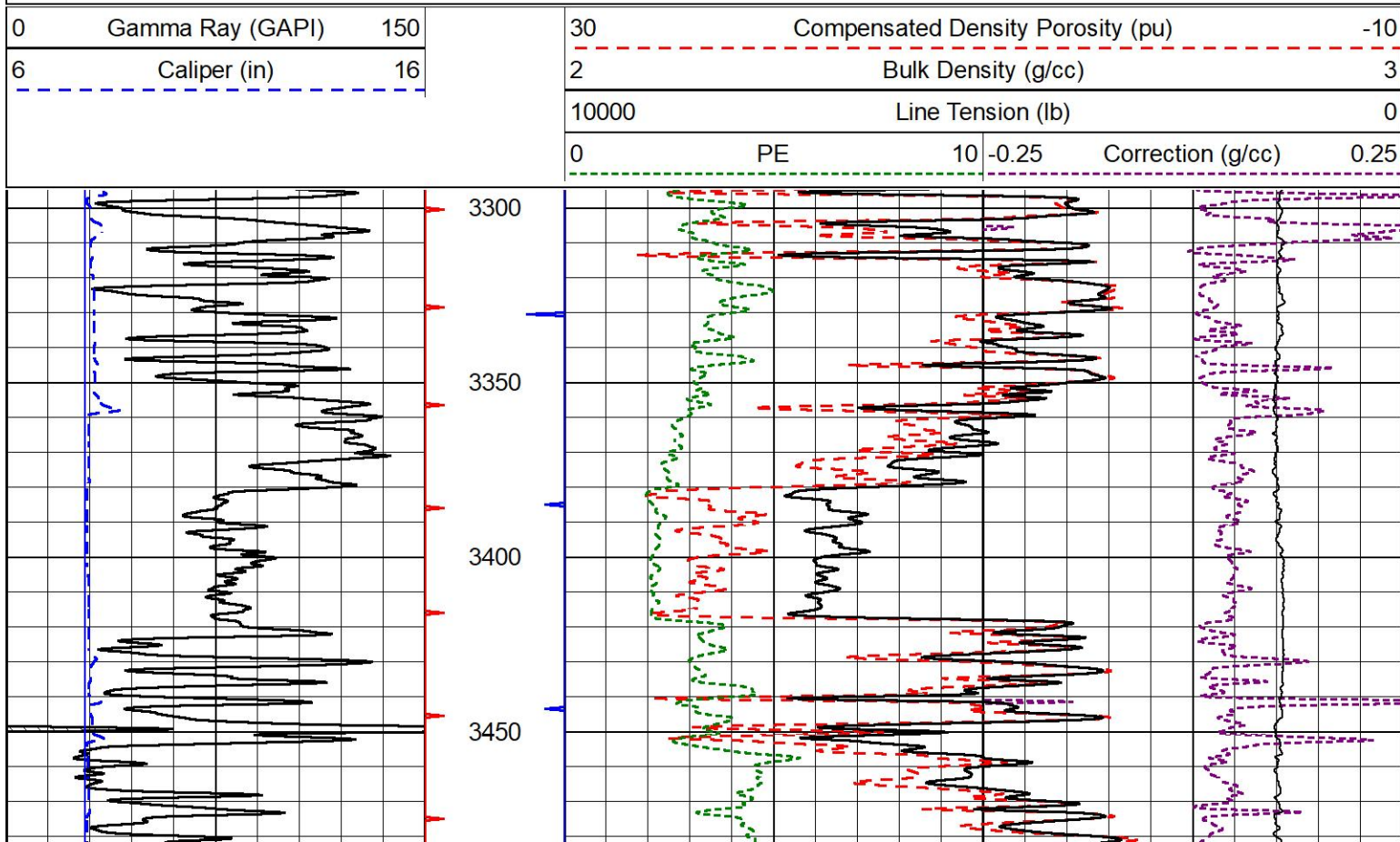


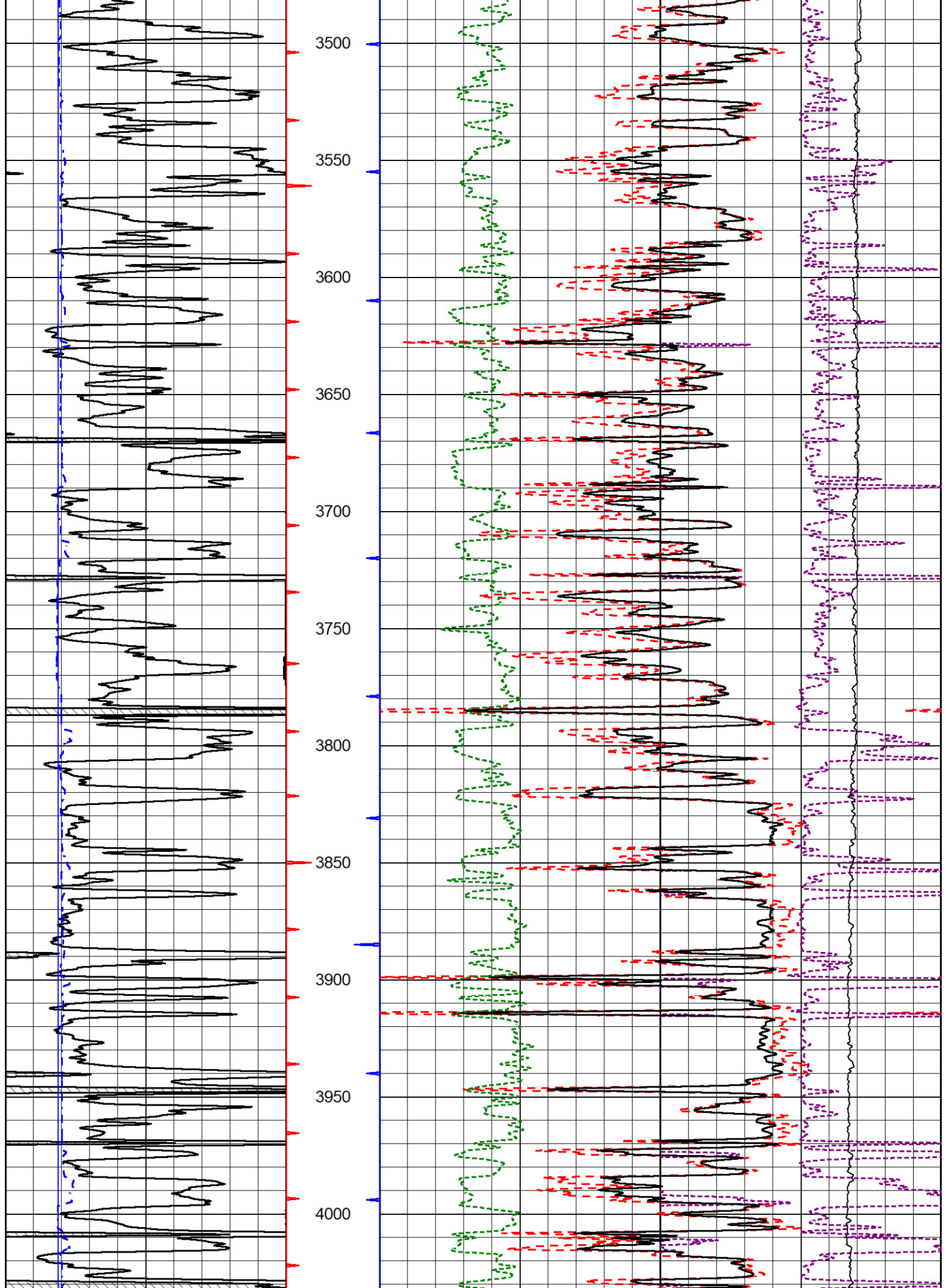
MIDWEST WIRELINE

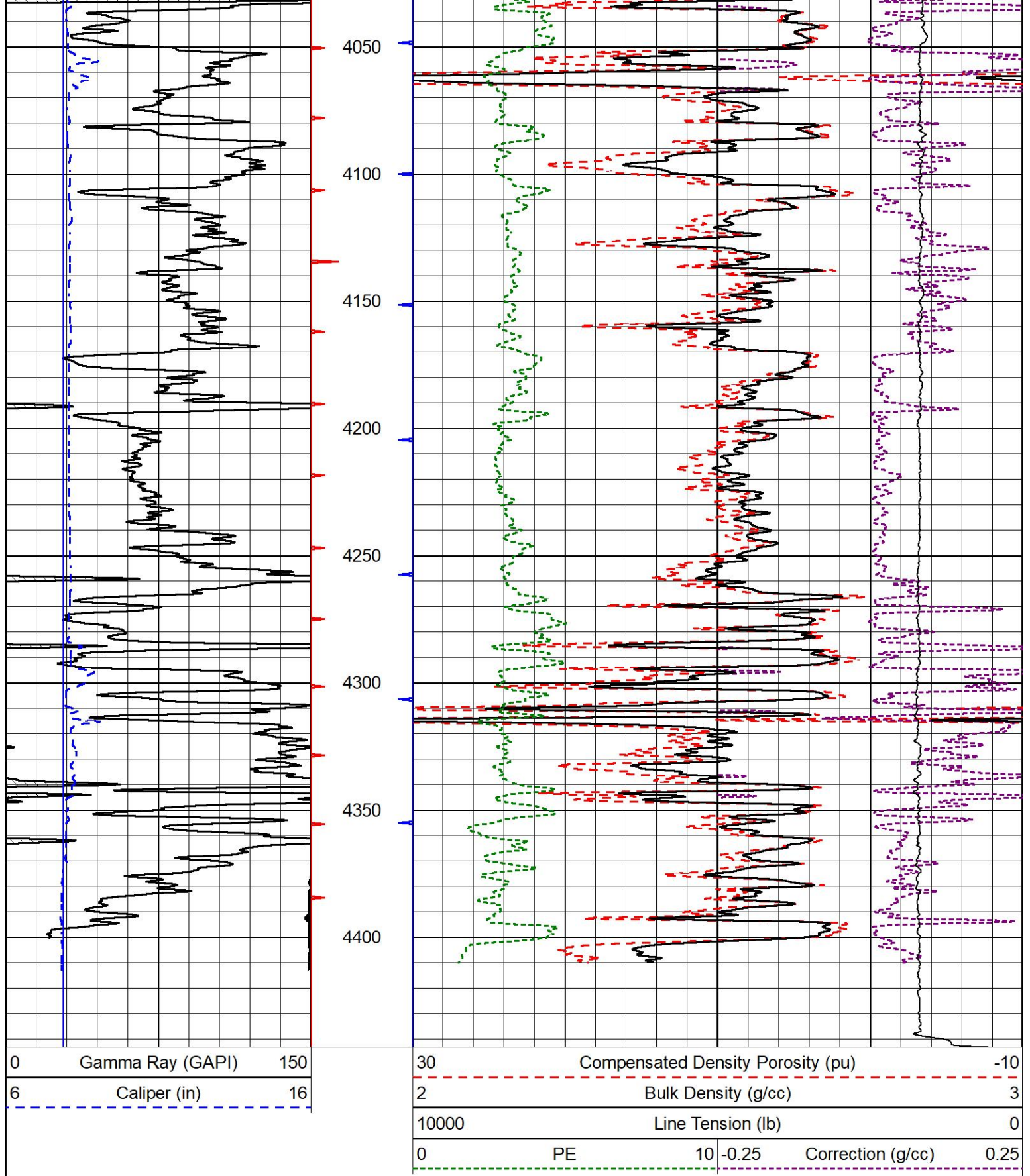
2" SCALE BULK DENSITY

MAIN PASS

Database File satchell_hobbs a #5-34.db
Dataset Pathname StkMI/pass3.3
Presentation Format _cdlpe
Dataset Creation Wed Sep 06 03:00:05 2023
Charted by Depth in Feet scaled 1:600







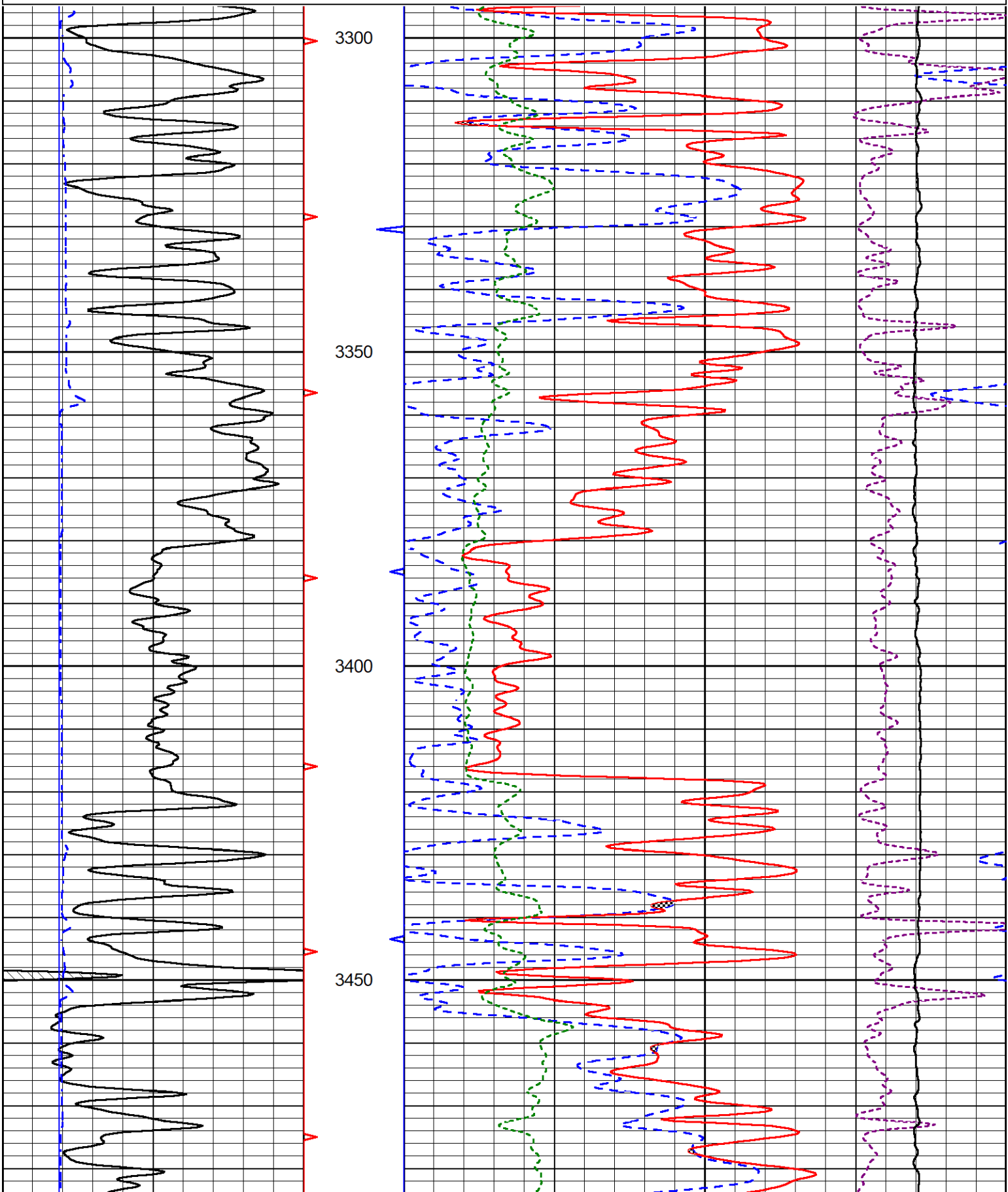
MIDWEST WIRELINE

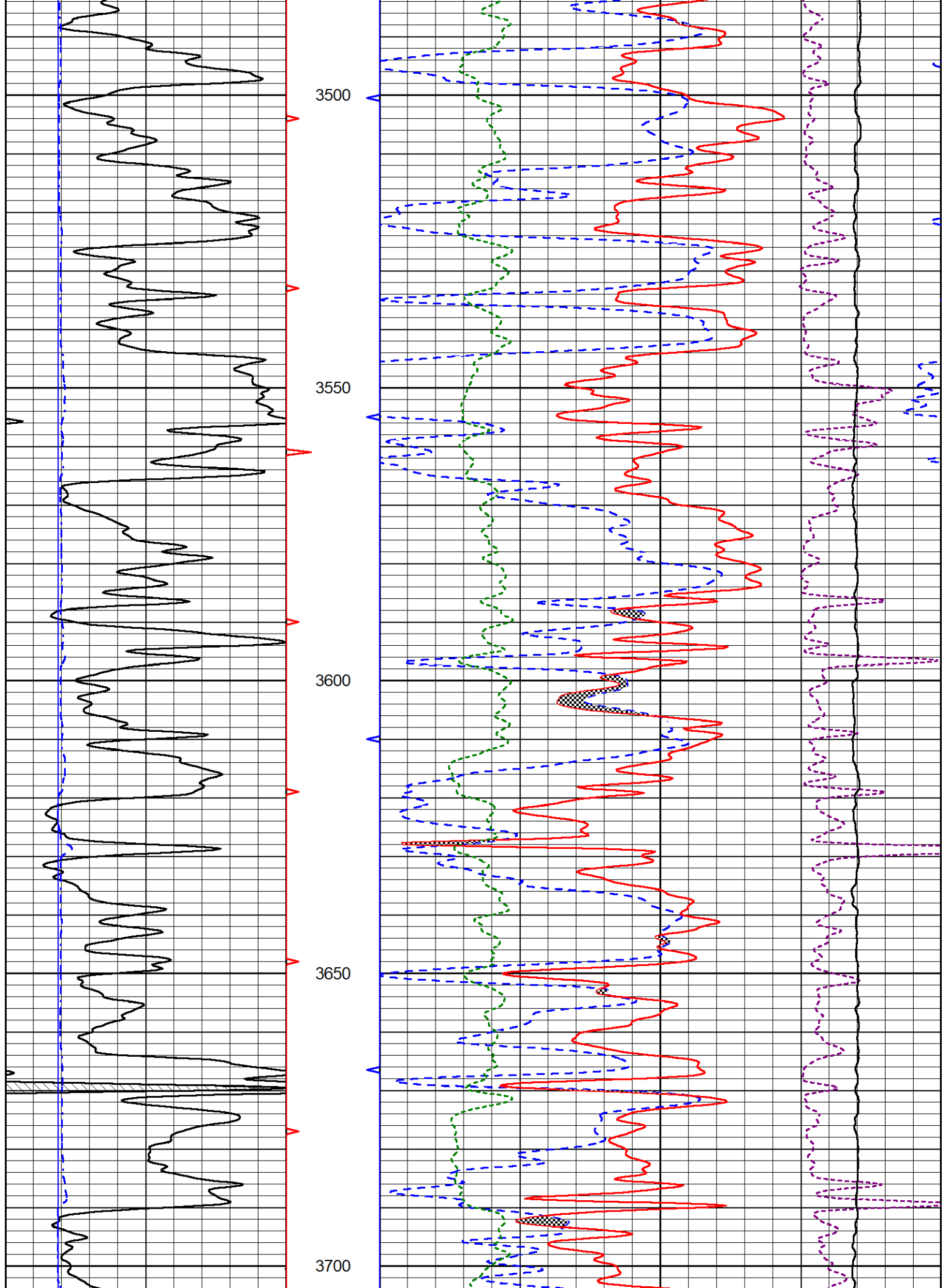
DETAIL SECTION

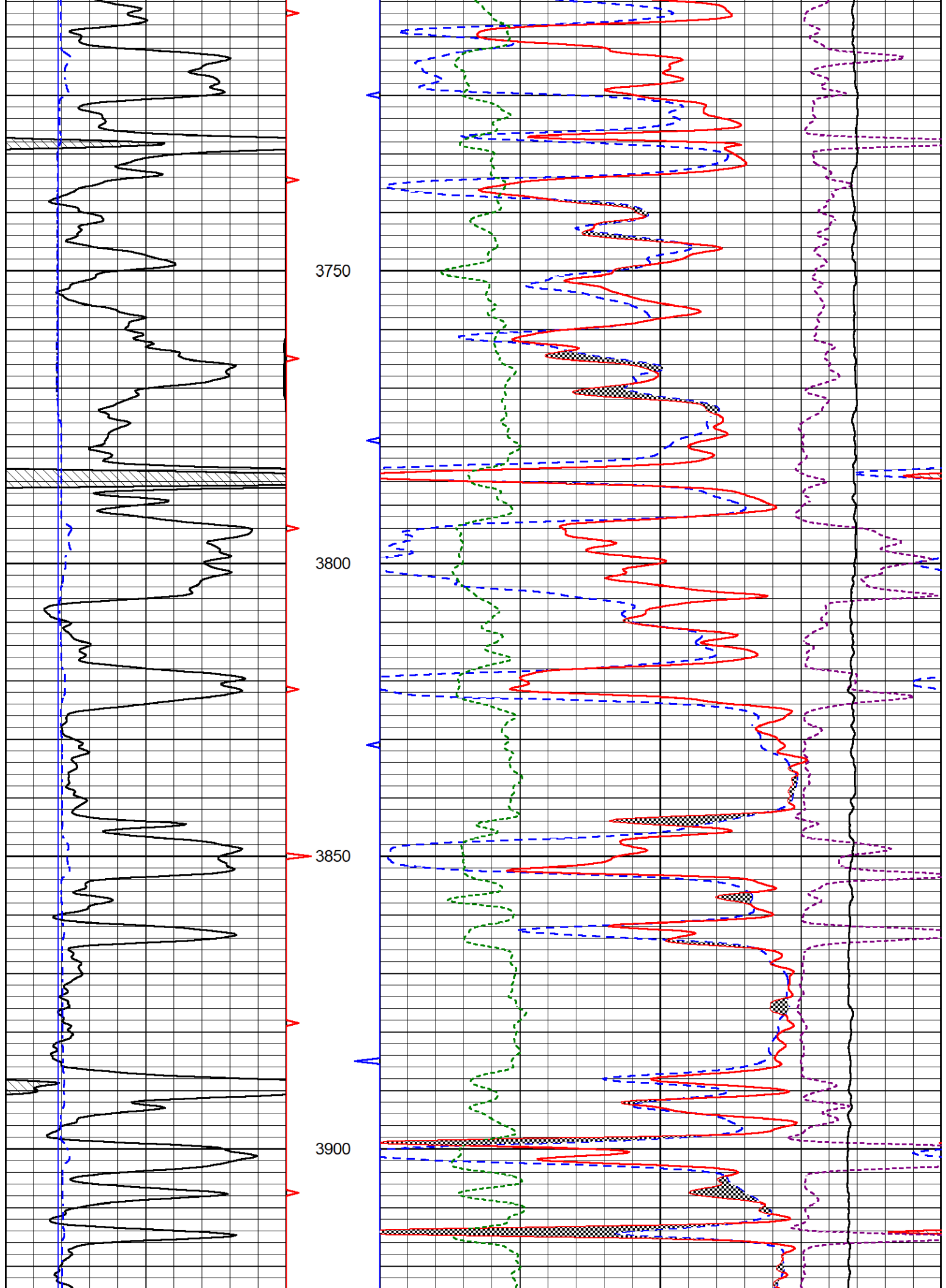
MAIN PASS

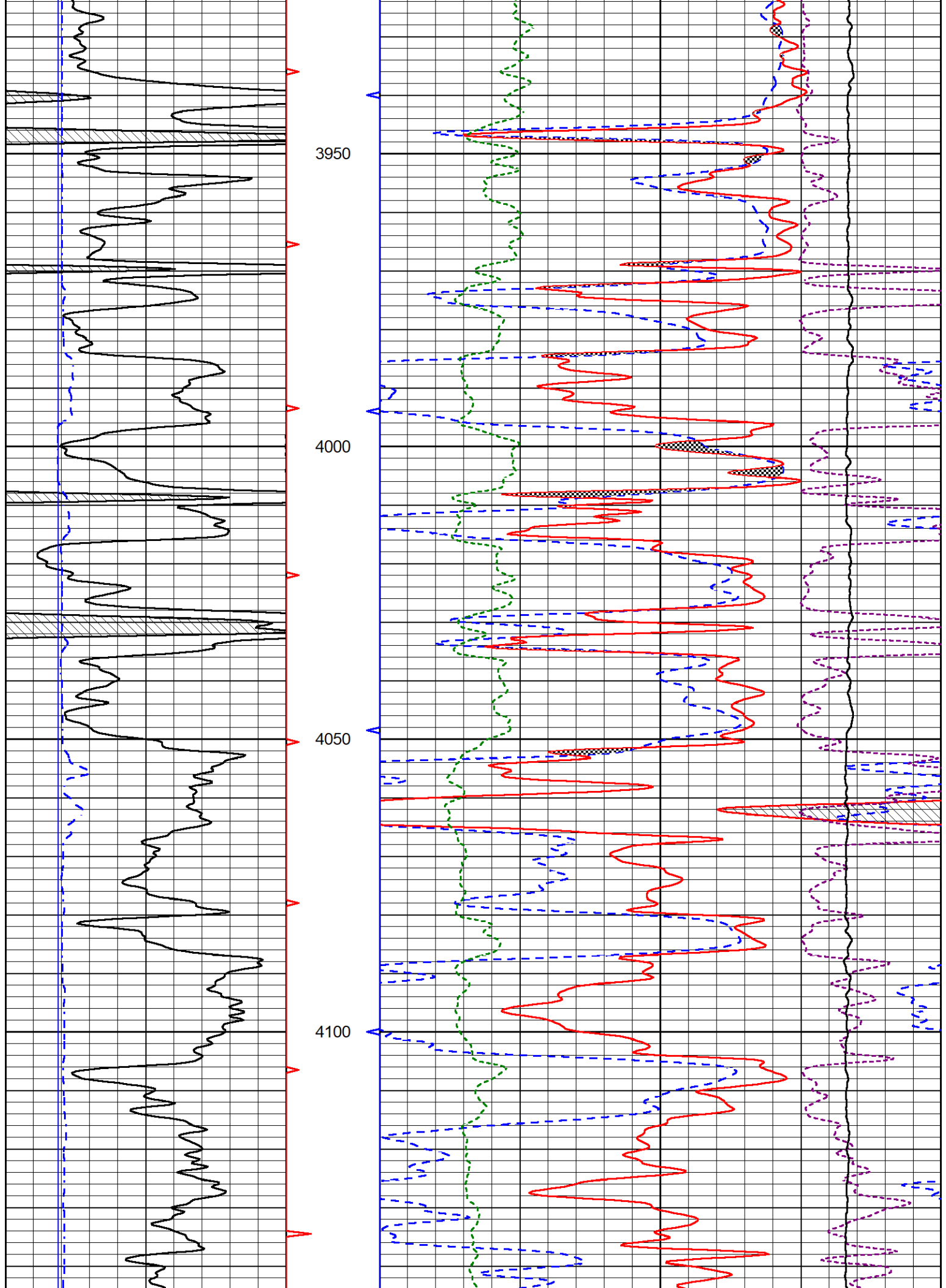
Database File satchell_hobbs a #5-34.db
Dataset Pathname StkMI/pass3.1
Presentation Format CNL S-4

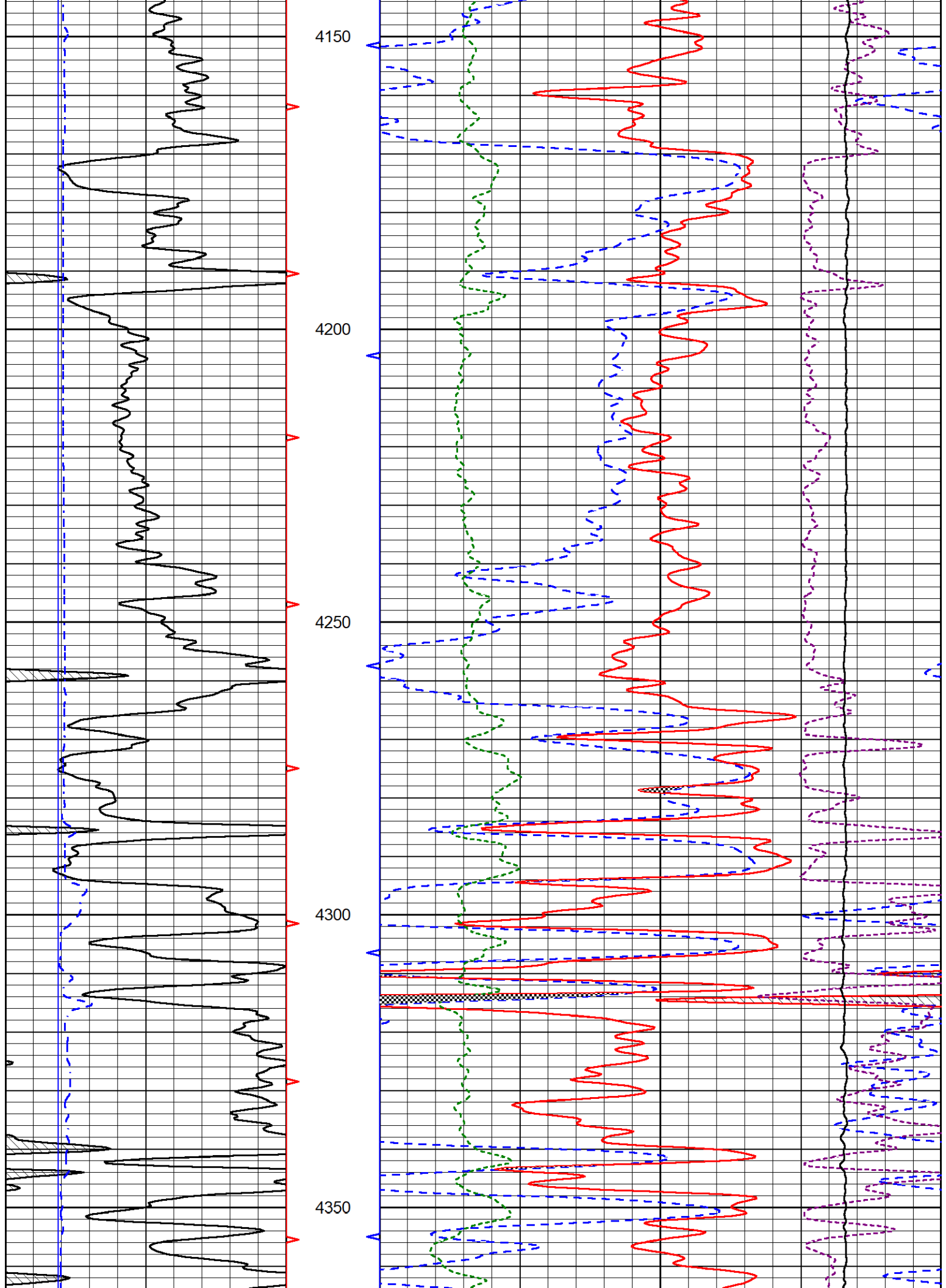
0	Gamma Ray (GAPI)	150	30	CNPOR (pu)	-10
6	Caliper (in)	16	30	Compensated Density Porosity (pu)	-10
			10000	Line Tension (lb)	0
			0	PE	10 -0.25
				Corection (g/cc)	0.25

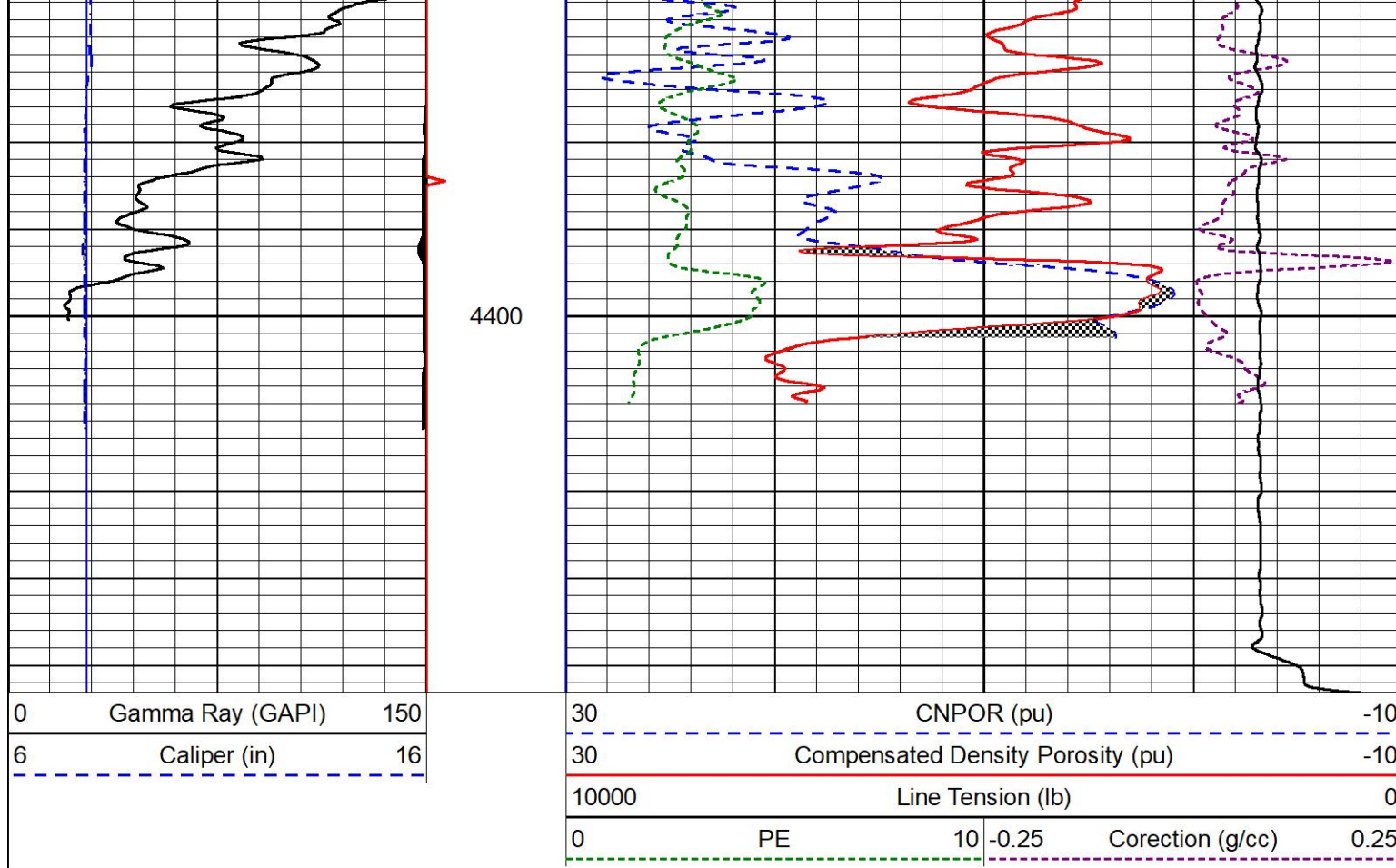










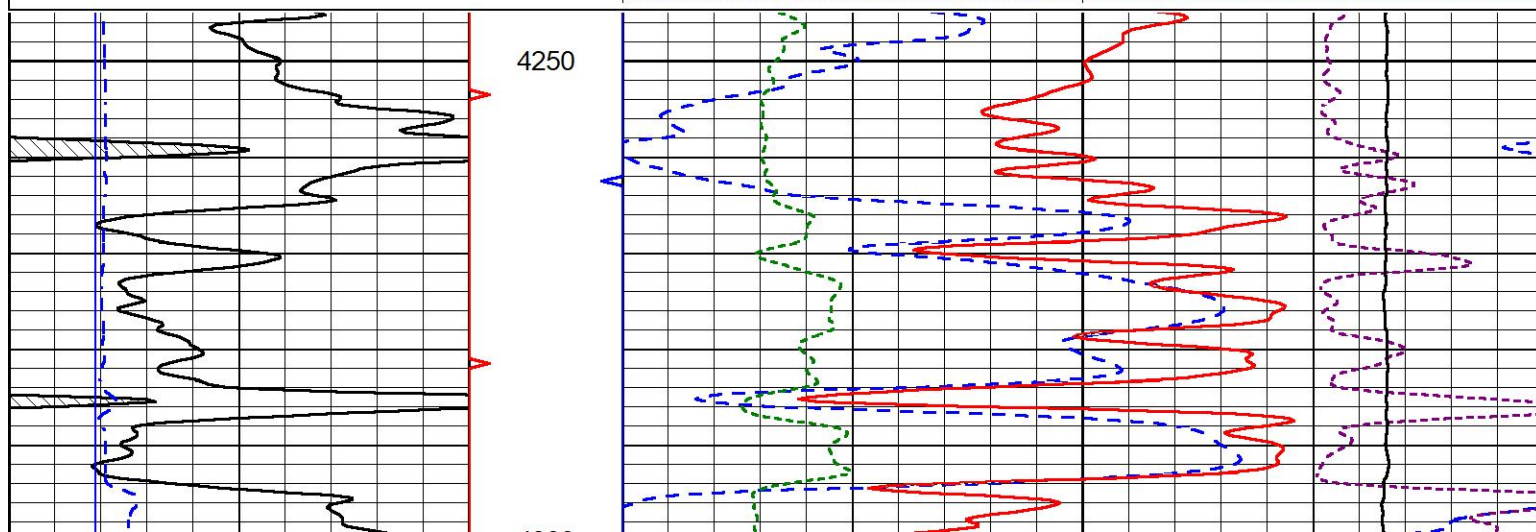
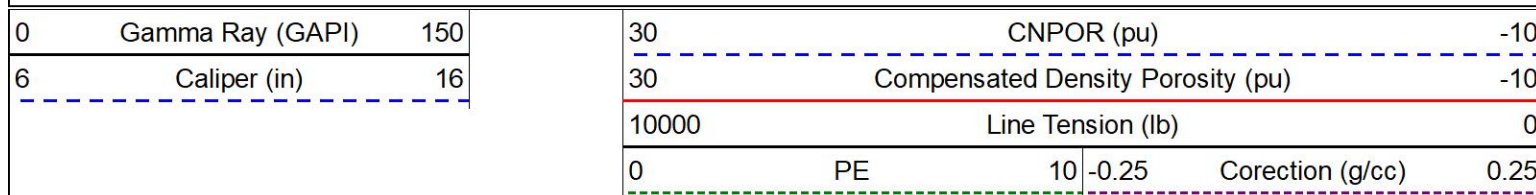


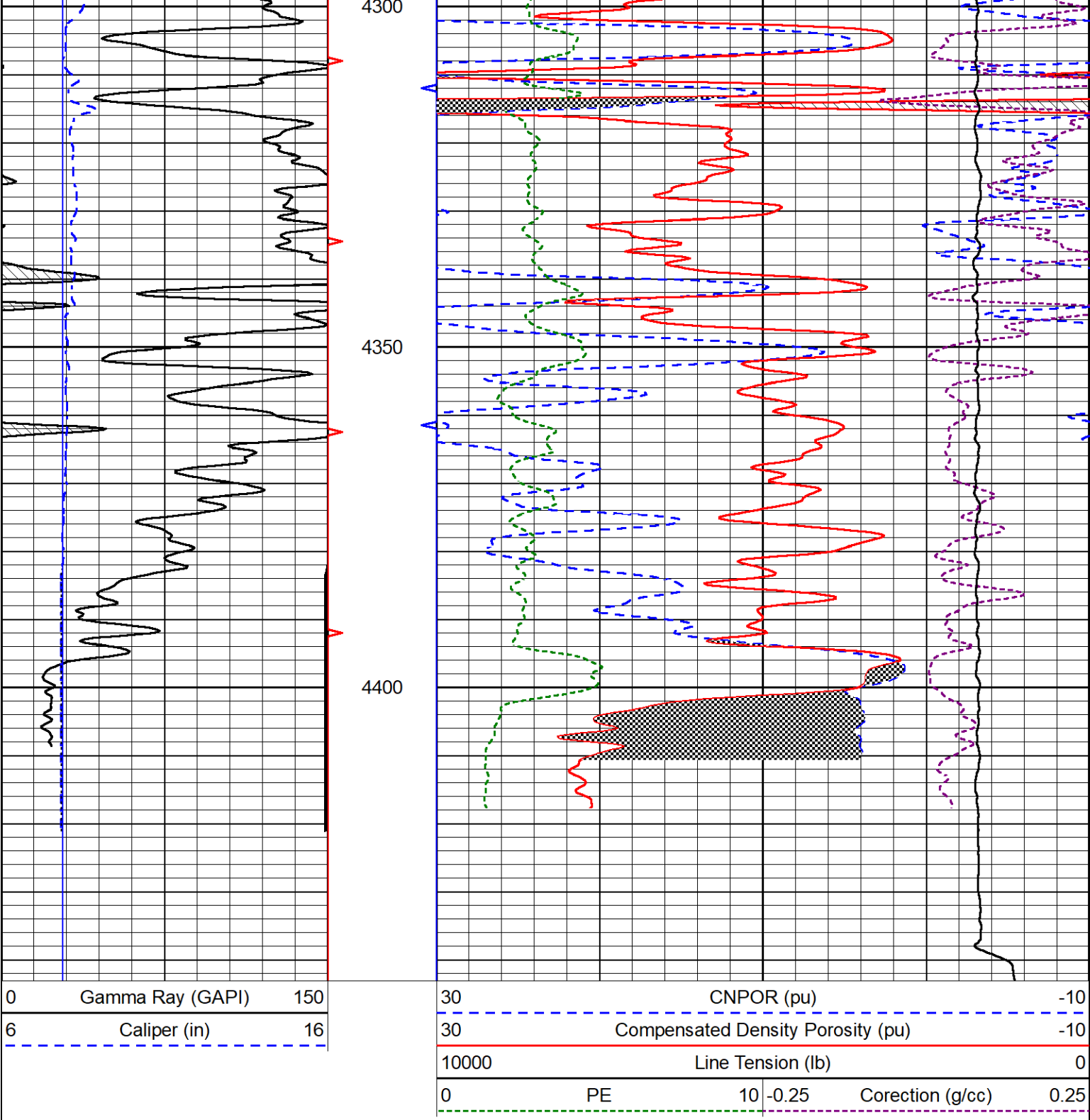
MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

Database File satchell_hobbs a #5-34.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _CNDLS~4
 Dataset Creation Wed Sep 06 03:08:21 2023
 Charted by Depth in Feet scaled 1:240





Calibration Report							
Database File		satchell_hobbs a #5-34.db					
Dataset Pathname		StkMI/pass3.1					
Dataset Creation		Wed Sep 06 03:46:09 2023					
Dual Induction Calibration Report							
Serial-Model:		507-M&W					
Surface Cal Performed:							
Readings			References			Results	
Loop:	Air	Loop	Air	Loop		m	b

Deep	68.570	638.100	0.000	255.800	mmho/m	0.500	-37.000		
Medium	184.288	716.191	0.000	255.800	mmho/m	0.430	-75.000		
Microlog Calibration Report									
Serial-Model: Performed:				401-PSIML Sat Sep 2 13:05:02 2023					
Readings			References			Results			
	Zero	Cal		Zero	Cal	m	b		
Normal	0.0000	1.0000		0.0000	1.0000	Ohm-m	18500.0000		
Inverse	0.0000	1.0000		0.0000	1.0000	Ohm-m	17000.0000		
Caliper	1.0052	1.0858		5.0000	16.5000	in	142.7190		
							-138.8000		
LITHODENSITY Calibration Report									
Serial Number:		704-10							
Tool Model:		STEP LITHO							
Performed:		Fri Jun 23 15:26:01 2023							
Source:									
	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8	
Background:									
SS:	51	54	202	252	21	70	42	1	cps
LS:	85	96	363	462	53	147	97	3	cps
Aluminum:									
SS:	870	1018	2321	2004	37	71	43	2	cps
LS:	1057	1828	3315	1570	61	147	91	5	cps
Magnesium:									
SS:	1459	1669	3829	2914	42	70	46	3	cps
LS:	4526	7550	13047	4982	98	135	93	13	cps
Aluminum+Iron:									
SS:	553	719	1939	1750	37	72	45	2	cps
LS:	613	1297	2812	1404	60	146	96	4	cps
		Density			PE				
		Actual	Calibrated		Actual	Calibrated	Quality		
Background:									
SS:							0.245		
LS:							0.205		
Aluminum:									
SS:		2.6000	2.6000	g/cc			0.240		
LS:		2.6000	2.6000	g/cc			0.236		
Magnesium:									
SS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.210		
LS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.184		
Aluminum+Iron:									
SS:						6.1800	0.228		
LS:						6.1800	0.206		
Before Survey									
Performed:		Wed Feb 9 13:15:42 2022							
SS:	0	0	0	0	0	0	0	0	cps
LS:	1370	1580	3705	3037	48	80	50	4	cps
After Survey									
Performed:		Wed Feb 9 13:16:02 2022							
SS:	0	0	0	0	0	0	0	0	cps
LS:	1400	1600	3800	3100	60	100	70	6	cps
Caliper:		Reference:		Reading:					
Small Ring:		6.0 in		0.2					

Small Ring:	0.0	in	0.2
Large Ring:	15.0	in	0.8
Gain:	16.161		
Offset:	1.070		

Compensated Neutron Calibration Report

Serial Number:	207
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

PRE-SURVEY VERIFICATION

	Detector	Readings	Measured	Target
1)	Short Space	cps		
	Long Space	cps	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	
3)	Short Space	cps		
	Long Space	cps	pu	

POST-SURVEY VERIFICATION

	Detector	Readings	Measured	Target
1)	Short Space	cps		
	Long Space	cps	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	pu
3)	Short Space	cps		
	Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number:	106	
Tool Model:	M&W	
Performed:	Tue Aug 22 07:35:27 2023	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.6000	GAPI/cps



Company	Satchell Creek Petroleum LLC
Well	Hobbs A #5-34
Field	
County	Graham
State	Kansas