



DUAL COMPENSATED
POROSITY w/PE

MIDWEST WIRELINE

Company Satchell Creek Petroleum LLC
Well Hobbs A #7-34
Field Unnamed
County Graham
State Kansas

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Field Unnamed
County Graham State Kansas

Location: API #: 15-065-24291-00-00

Other Services

SEC 34 TWP 10S RGE 25W
NW NE SW NW
1645 FNL & 977 FWL

DIL/MEL

Permanent Datum Ground Level Elevation 2471
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

K.B. 2478
D.F.
G.L. 2471

Date 10/5/2023

Run Number One

Type Log CNL/CDL

Depth Driller 4130

Depth Logger 4125

Bottom Logged Interval 4096

Top Logged Interval 3300

Type Fluid In Hole Chemical

Salinity, PPM CL 1800

Density 9.2

Level Full

Max. Rec. Temp. F 117

Operating Rig Time 2 Hours

Equipment -- Location P-24 Hays

Recorded By T. Martin

Witnessed By Sean Deenihan

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	227	8.625	23	00	227
Two	7.875	227	TD				

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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 Rd B, 1 W, S 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

This Log Record Was Witnessed By

Engineer: T. Martin
Operator:
Operator:
Operator:

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

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.75		GR-M&W (103)	3.00	3.50	50.00
CNLSC	37.65		CNT-M&W (207)	5.00	3.50	100.00
CNSSC	36.90					
			MWLith-STEP LITHO (704-10) Long Litho Mandrel	8.92	5.00	250.00
LCAL	28.21		ML-PSIML (401)	7.58	4.00	65.00
LLW8N	28.21					
LLW7N	28.21					
LLW6N	28.21					
LLW5N	28.21					
LLW4N	28.21					
LLW3N	28.21					
LLW2N	28.21					
LLW1N	28.21					
LSLOCK	27.96					
LLLOCK	27.96					
PELTMPR	27.96					
LSHVNG	27.96					
LLHVNG	27.96					
LSW8N	27.71					
LSW7N	27.71					
LSW6N	27.71					
LSW5N	27.71					
LSW4N	27.71					
LSW3N	27.71					
LSW2N	27.71					
LSW1N	27.71					
MCAL	19.58		DIL-M&W (507)	18.25	3.50	220.00
MI	19.58					
MN	19.58					
RLL3F	15.50					
RLL3	15.50					
CILD	8.33					
CILM	4.50					
SP	0.20					
Dataset: satchell_hobbs a #7-34.db: field/well/StkMI/pass3.1 Total length: 42.75 ft Total weight: 685.00 lb O.D.: 5.00 in						

Log Variables

DatabaseC:\ProgramData\Warrior\Data\satchell_hobbs a #7-34.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 117	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 0.5	SNDERRM mmho/m -4.5	SPSHIFT mV 300	SRFTEMP degF 65	SZCOR Off	TDEPTH ft 4125		

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

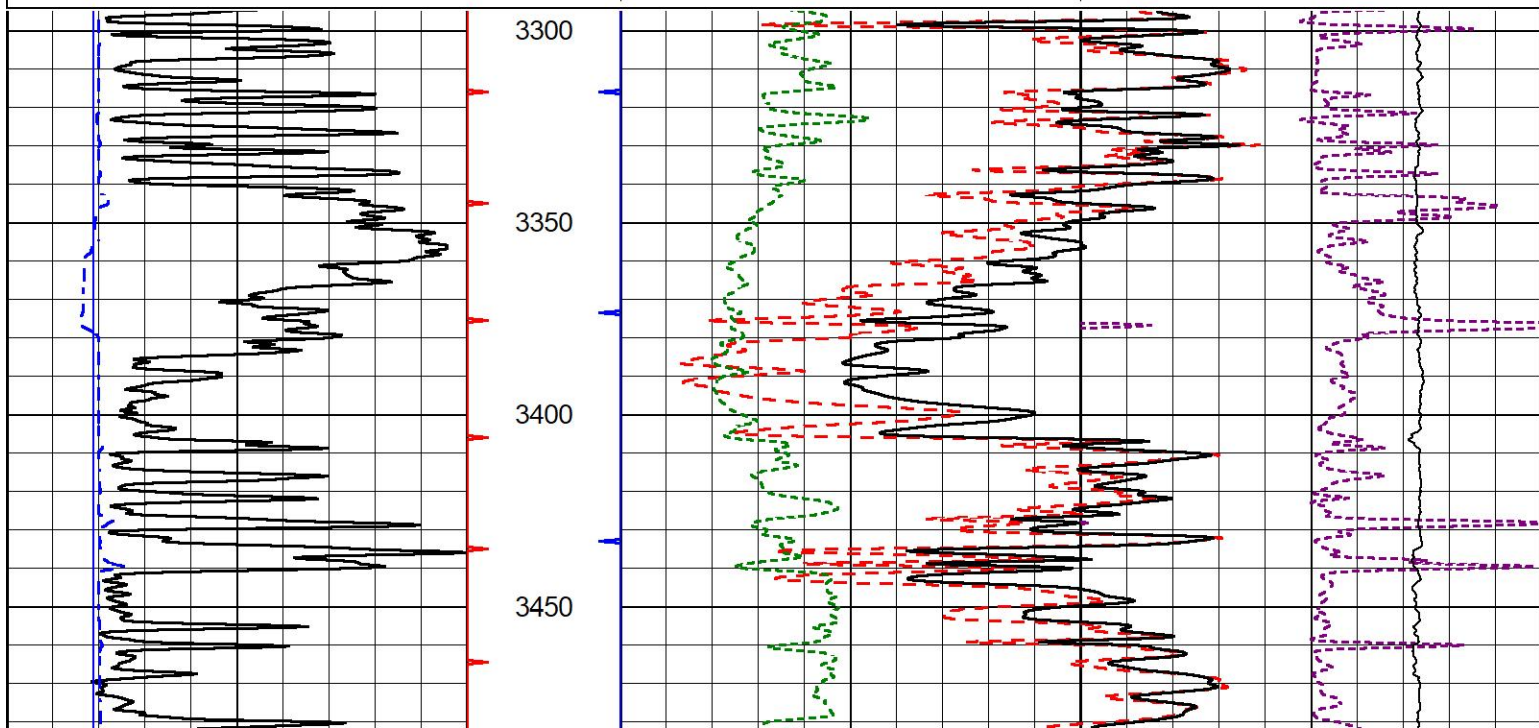


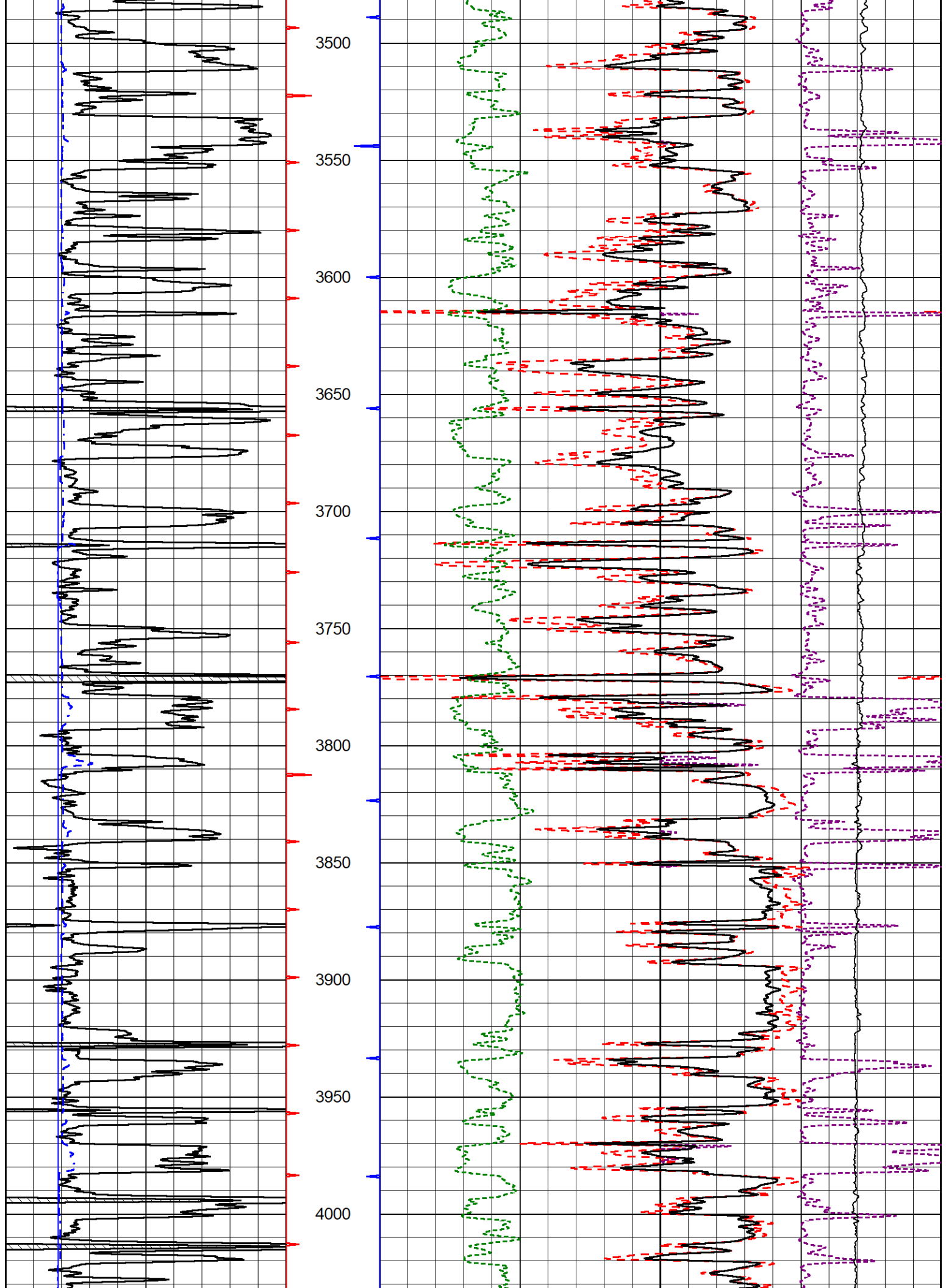
2" SCALE BULK DENSITY

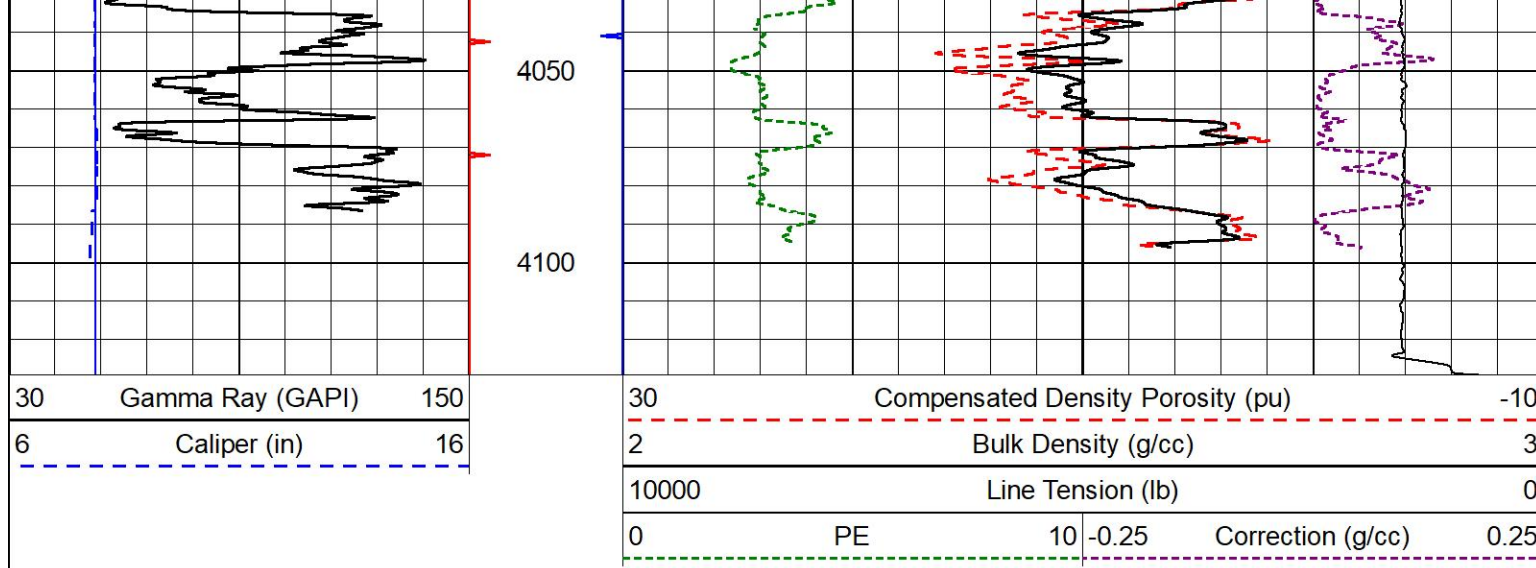
MAIN PASS

Database File satchell_hobbs a #7-34.db
Dataset Pathname StkMI/pass3.3
Presentation Format _cdlpe
Dataset Creation Thu Oct 05 21:32:47 2023
Charted by Depth in Feet scaled 1:600

30	Gamma Ray (GAPI)	150	30	Compensated Density Porosity (pu)	-10
6	Caliper (in)	16	2	Bulk Density (g/cc)	3
			10000	Line Tension (lb)	0
			0	PE	10 -0.25
				Correction (g/cc)	0.25





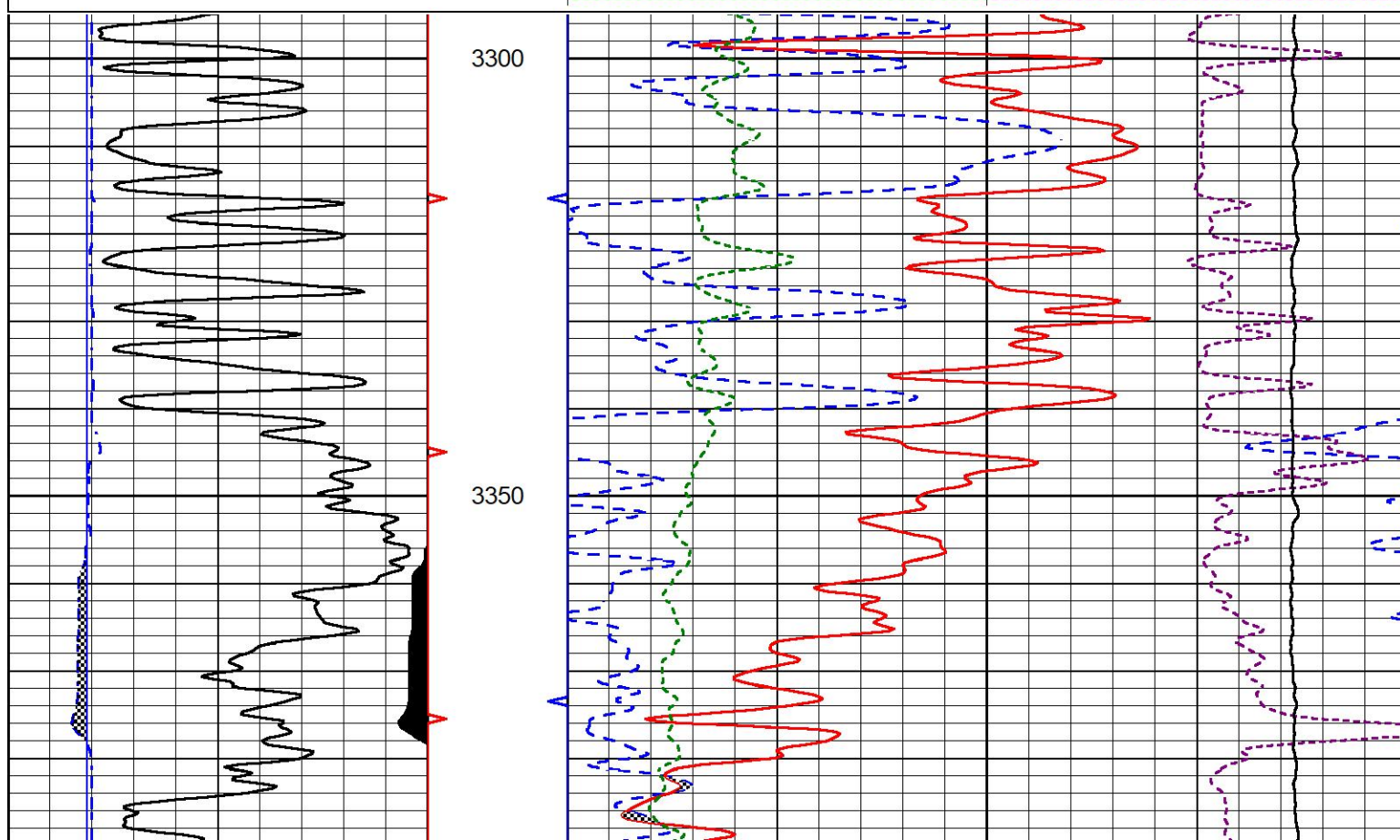
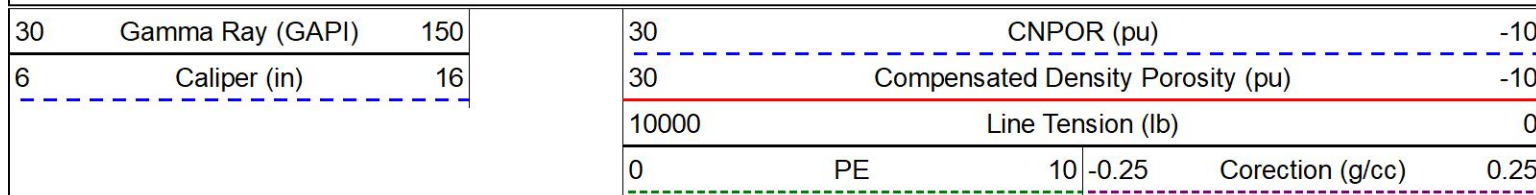


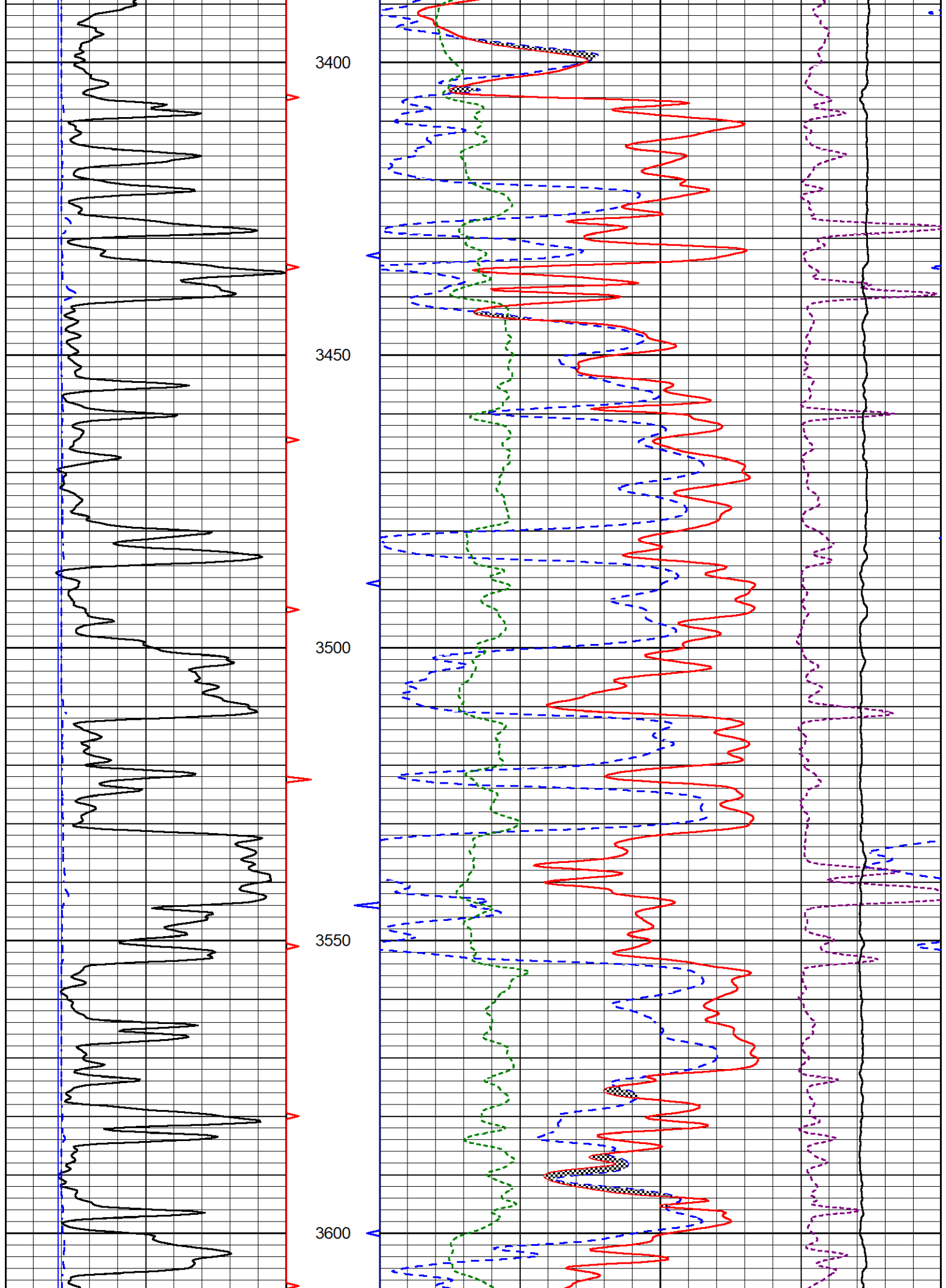
MIDWEST WIRELINE

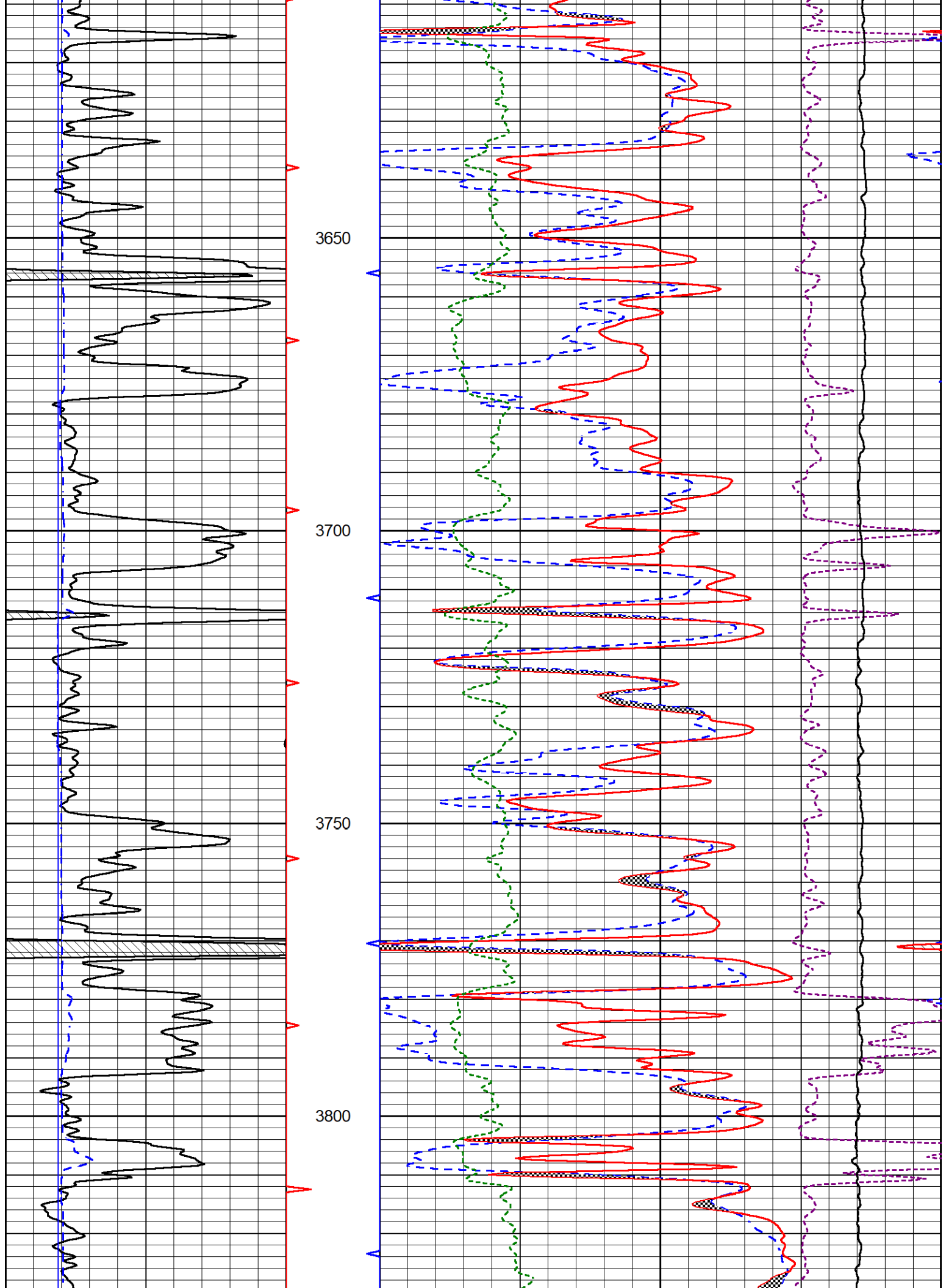
DETAIL SECTION

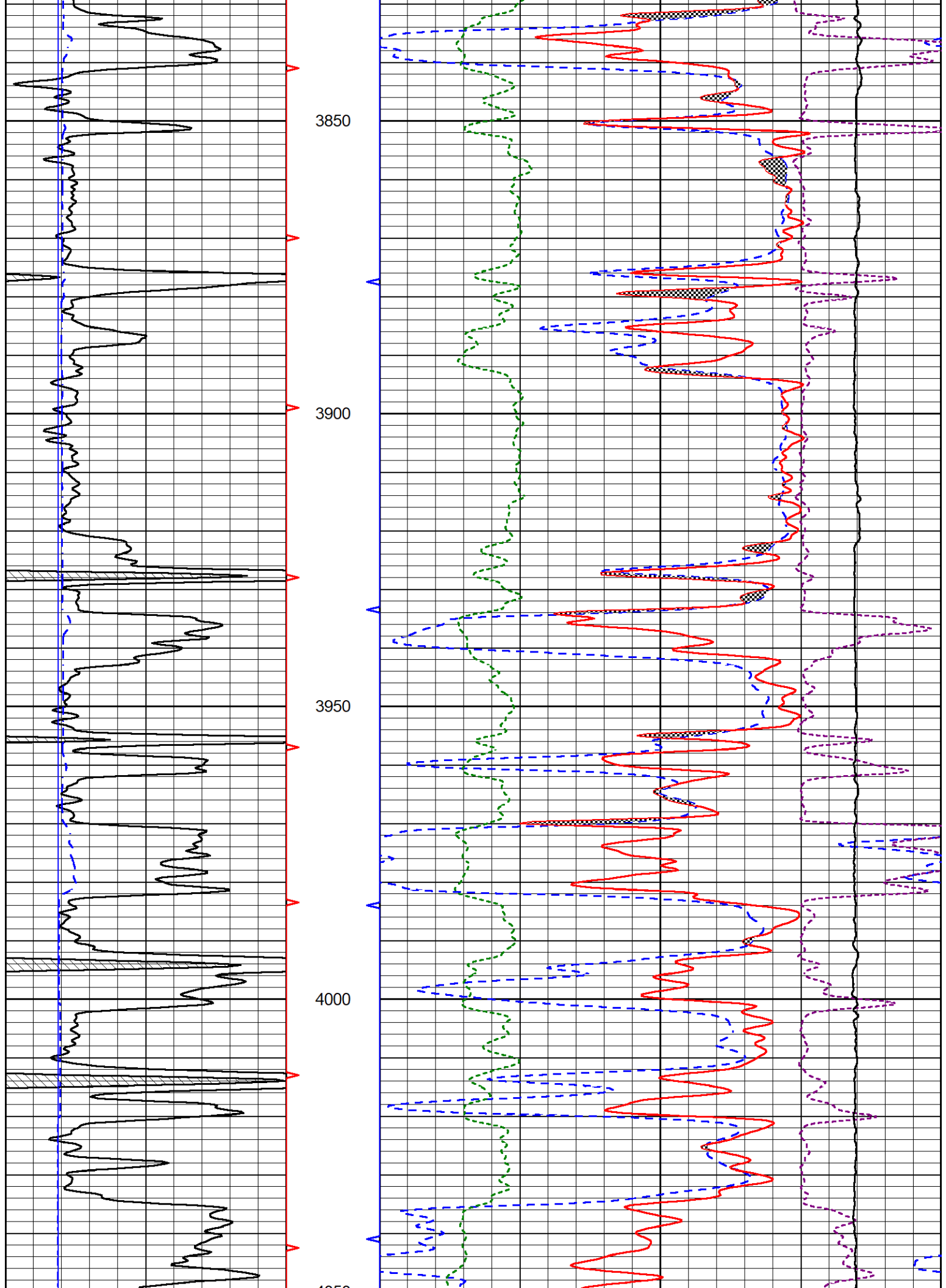
MAIN PASS

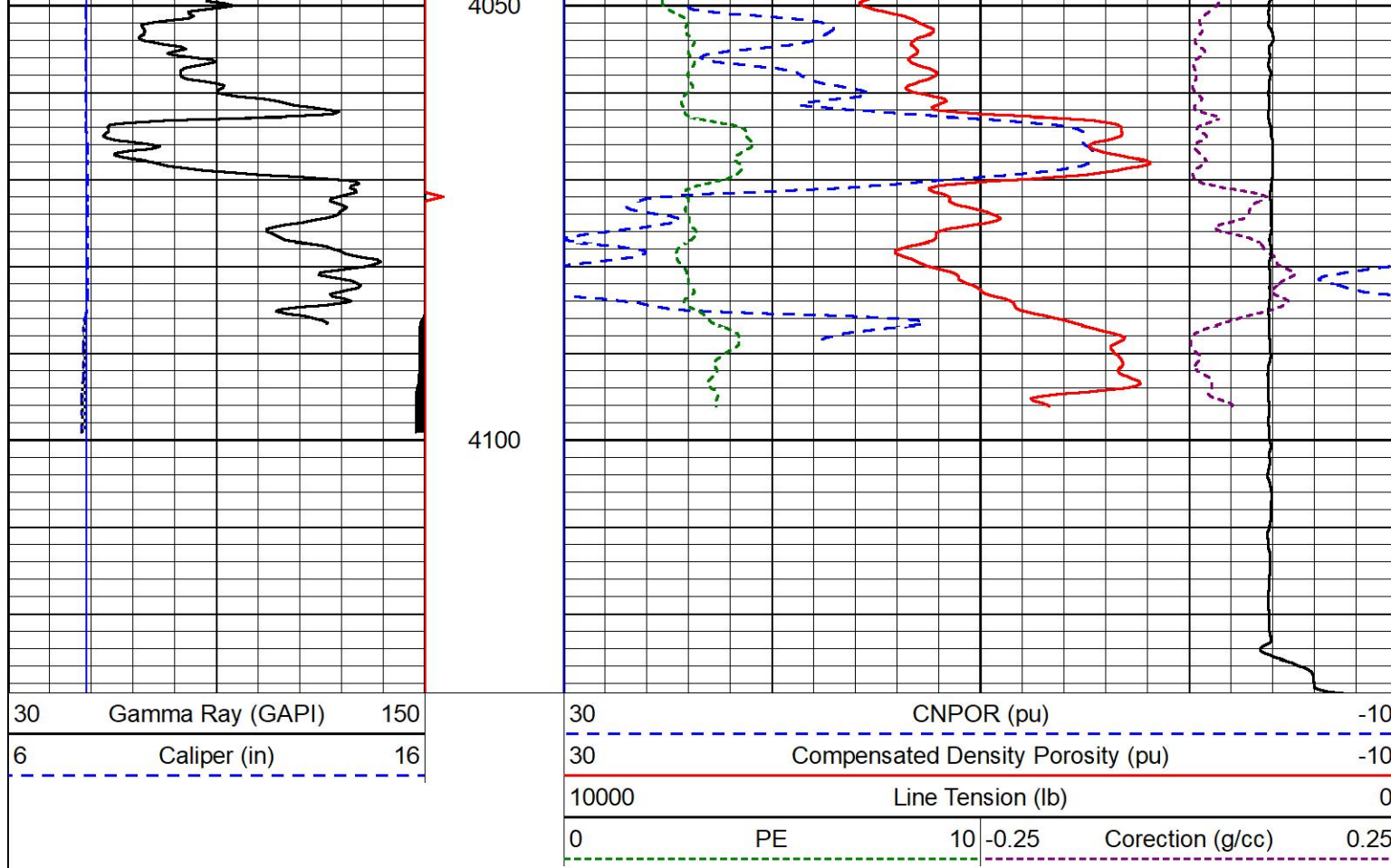
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 Dataset Pathname StkMI/pass3.1
 Presentation Format _CNDLS~4
 Dataset Creation Thu Oct 05 22:12:48 2023
 Charted by Depth in Feet scaled 1:240









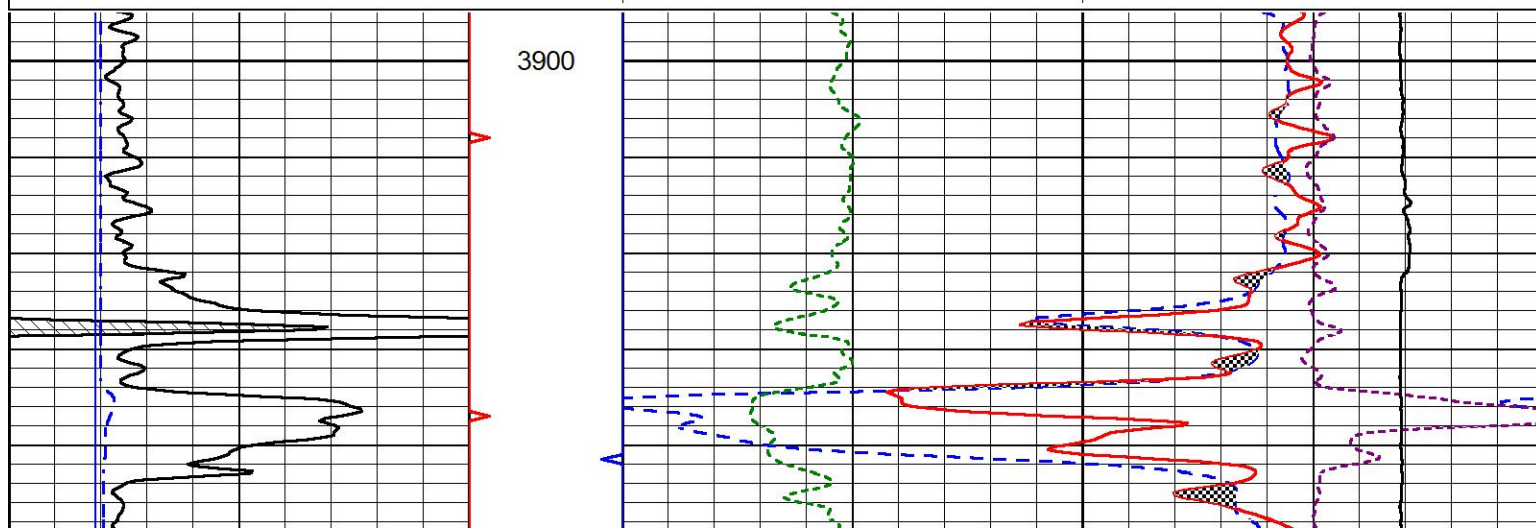
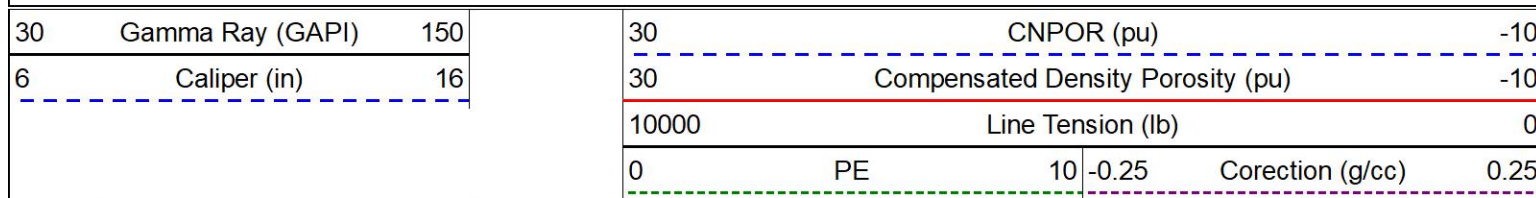


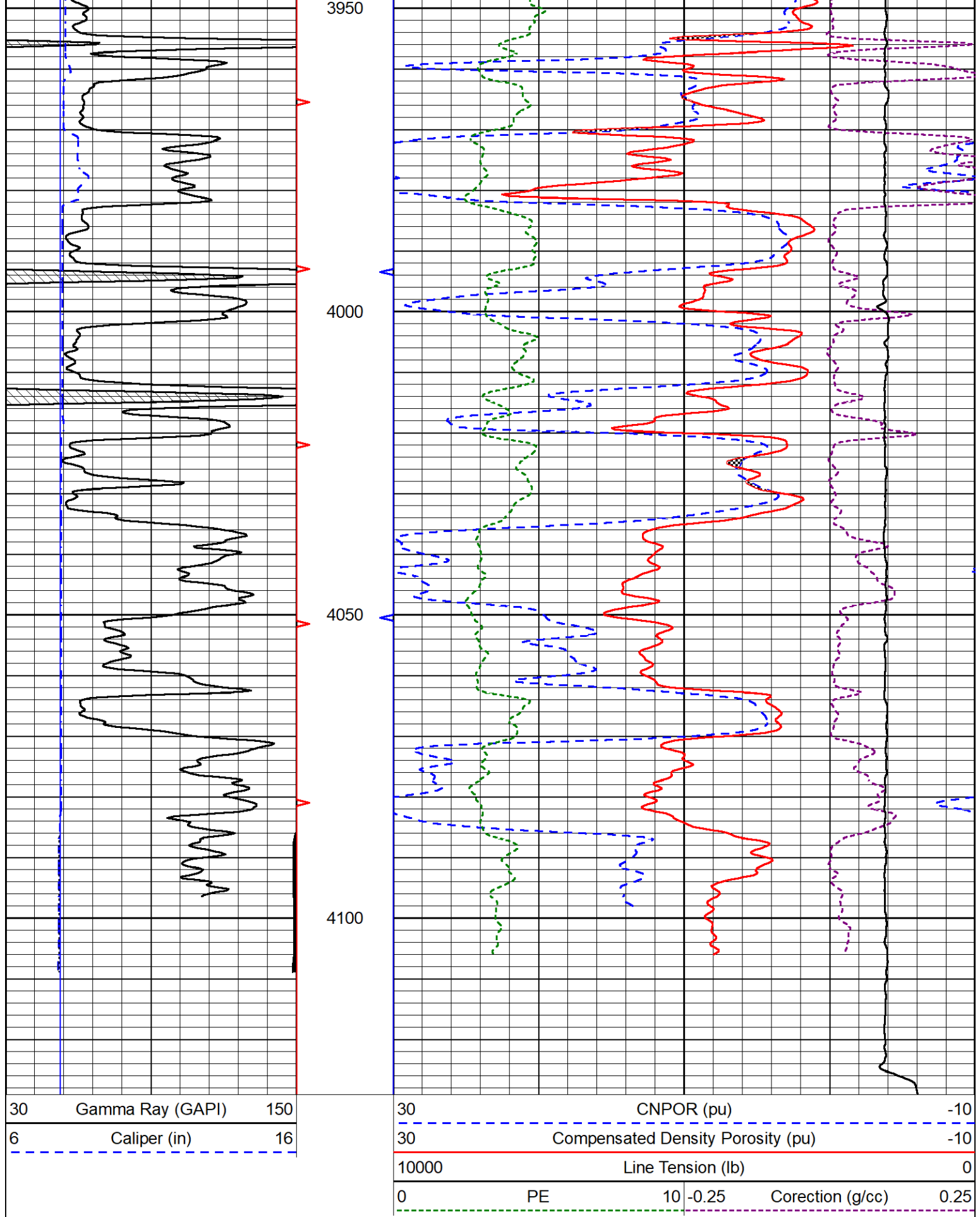
MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

Database File satchell_hobbs a #7-34.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _CNDLS~4
 Dataset Creation Thu Oct 05 21:31:58 2023
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File satchell_hobbs a #7-34.db
Dataset Pathname StkMI/pass3.1
Dataset Creation Thu Oct 05 22:12:48 2023

Dual Induction Calibration Report									
Serial-Model: 507-M&W									
Surface Cal Performed:									

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: Small Ring: 6.0 in 0.2 Large Ring: 15.0 in 0.8 Gain: 16.161 Offset: 1.080									
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: 103 Tool Model: M&W Performed: Fri Dec 3 15:10:46 2021									
Calibrator Value:		500.0		GAPI					
Background Reading:		24.0		cps					
Calibrator Reading:		637.0		cps					
Sensitivity:		0.5000		GAPI/cps					



MIDWEST WIRELINE

Company	Satchell Creek Petroleum LLC
Well	Hobbs A #7-34
Field	Unnamed
County	Graham
State	Kansas