



Pioneer Energy Services

DUAL COMP POROSITY LOG

Company **THREE FORKS RESOURCES, LLC**

Well MAY TRUST #1-30

Field WILDCAT

County **DECATUR** State **KANSAS**

Location: API #: 15-039-21243-00-00

848' FNL & 2126' FWL

SEC 30 TWP 2S RGE 30W

Permanent Datum GROUND LEVEL Elevation 2847

Drilling Measured From	KELLY BUSHING	D.I. 175
		G.L. 2847'

	9/29/2017
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	CNL/CDL

	4632'
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al	3300'
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L	2400
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	FULL

	5 HOURS
a	

D. SCHMID

Whole Record	
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0'	260'
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[illegible]

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

OBERLIN,
10 WEST TO 100RD, 2 NORTH, 3/4 WEST,
SOUTH INTO

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew

Engineer: D. SCHMIDT

Operator:

Operator:

Operator:

This Log Record Was Witnessed By

Primary Witness: LAWRENCE WEIS

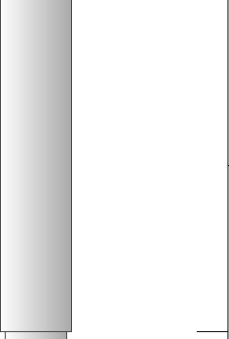
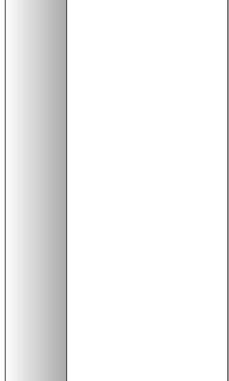
Secondary Witness: JASON ALM

Secondary Witness:

Secondary Witness:

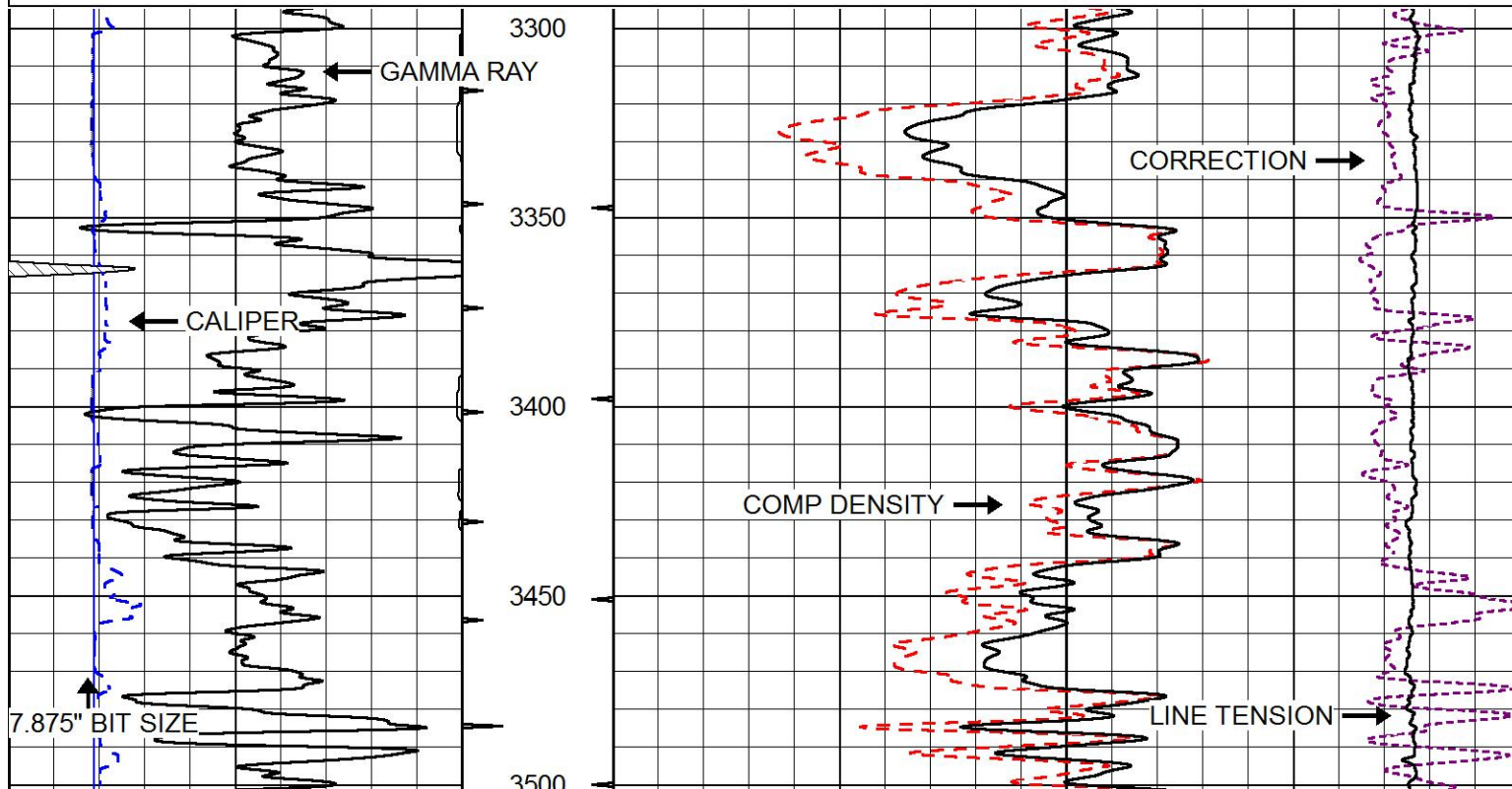
Top - Bottom

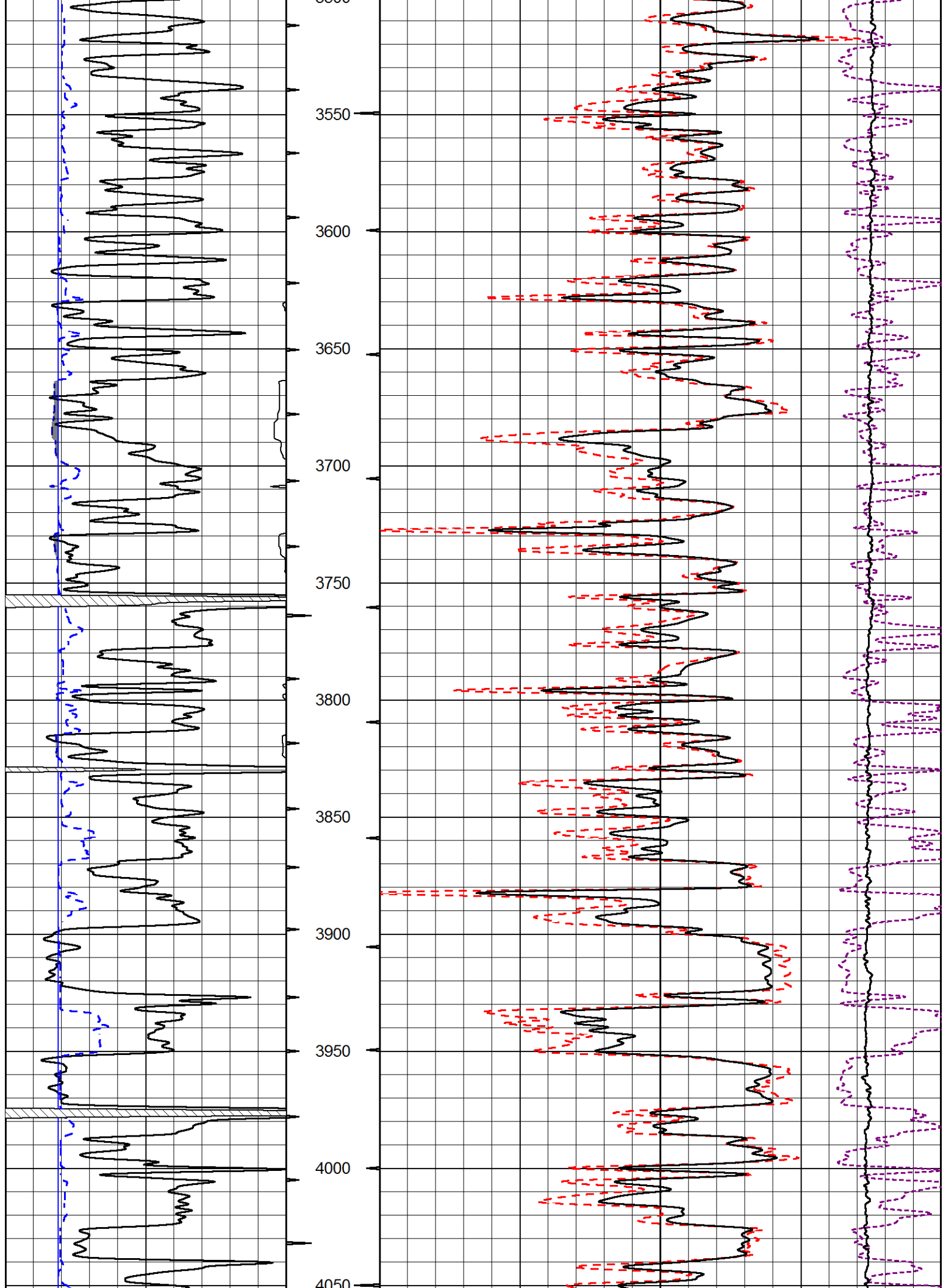
M	A	SZCOR	NPORSEL	FLUIDDEN g/cc	MATRXDEN g/cc	SPSHIFT mV	SNDERRM mmho/m
2	1	Off	Limestone	1	2.71	53	0
SNDERR mmho/m	SRFTEMP degF	CASETHCK in	CASEOD in	PERFS	TDEPTH ft	BOTTEMP degF	BOREID in
0	80	0	5.5	0	0	122	7.875

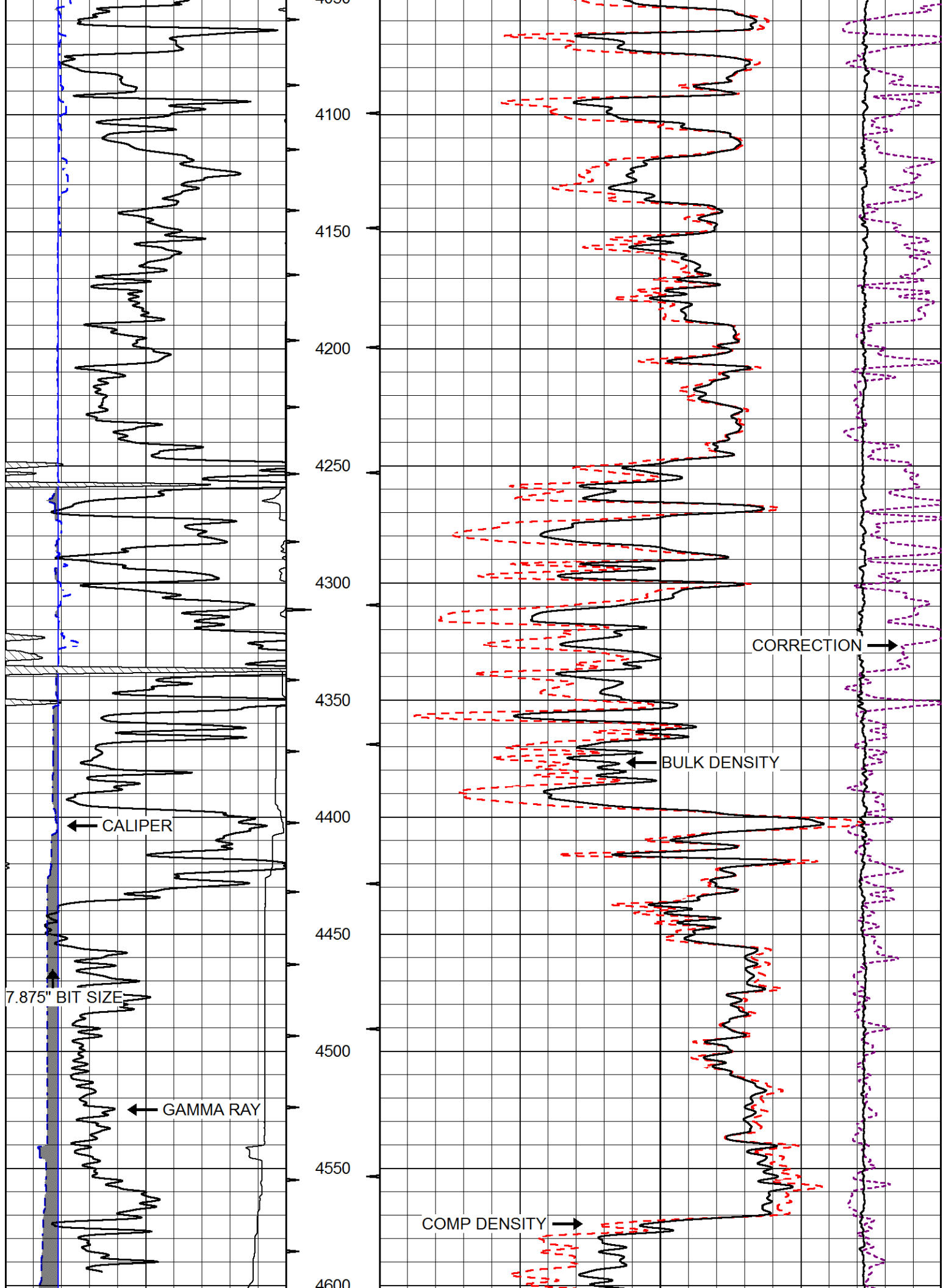
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58		GR-M&W (89)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73		CNT-M&W (207-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93		CDL-M&W (90-1031)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83		ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00
RLL3F RLL3	15.80 15.80					

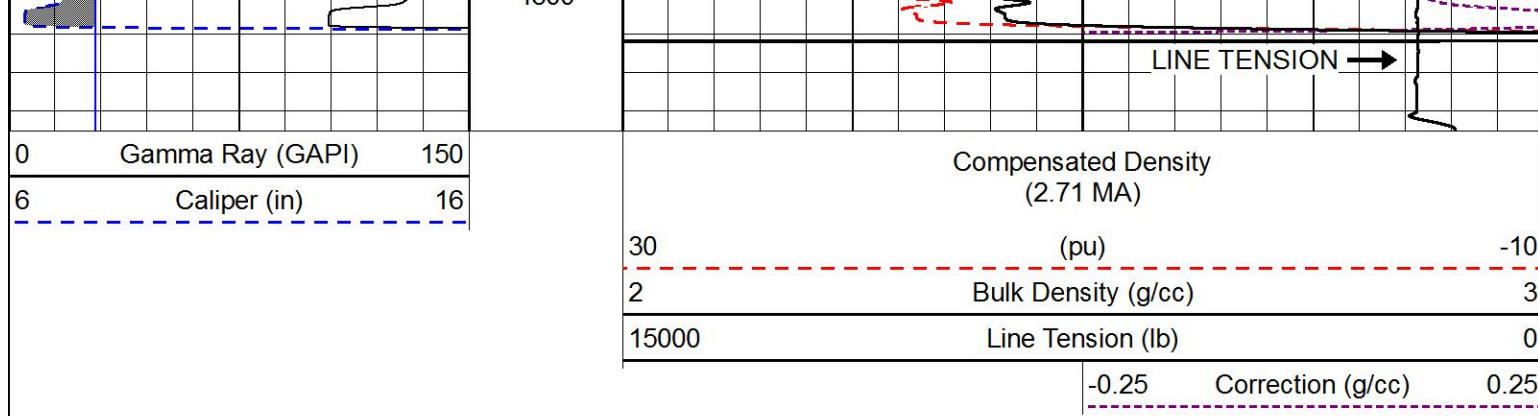
			DIL-M&W (PSI 91)	18.50	3.50	220.00
CILD	8.00					
CILM	4.70					
SP	0.20					
Dataset: three forks_may trust 1-30.db: field/well/STKML/pass3.1 Total length: 43.08 ft Total weight: 685.00 lb O.D.: 4.00 in						

			MAIN PASS		
Database File three forks_may trust 1-30.db Dataset Pathname STKML/pass3.1 Presentation Format cdl Dataset Creation Fri Sep 29 16:49:59 2017 Charted by Depth in Feet scaled 1:600					
0	Gamma Ray (GAPI)	150	Compensated Density (2.71 MA)		
6	Caliper (in)	16			
			30	(pu)	-10
			2	Bulk Density (g/cc)	3
			15000	Line Tension (lb)	0
			-0.25 Correction (g/cc) 0.25		



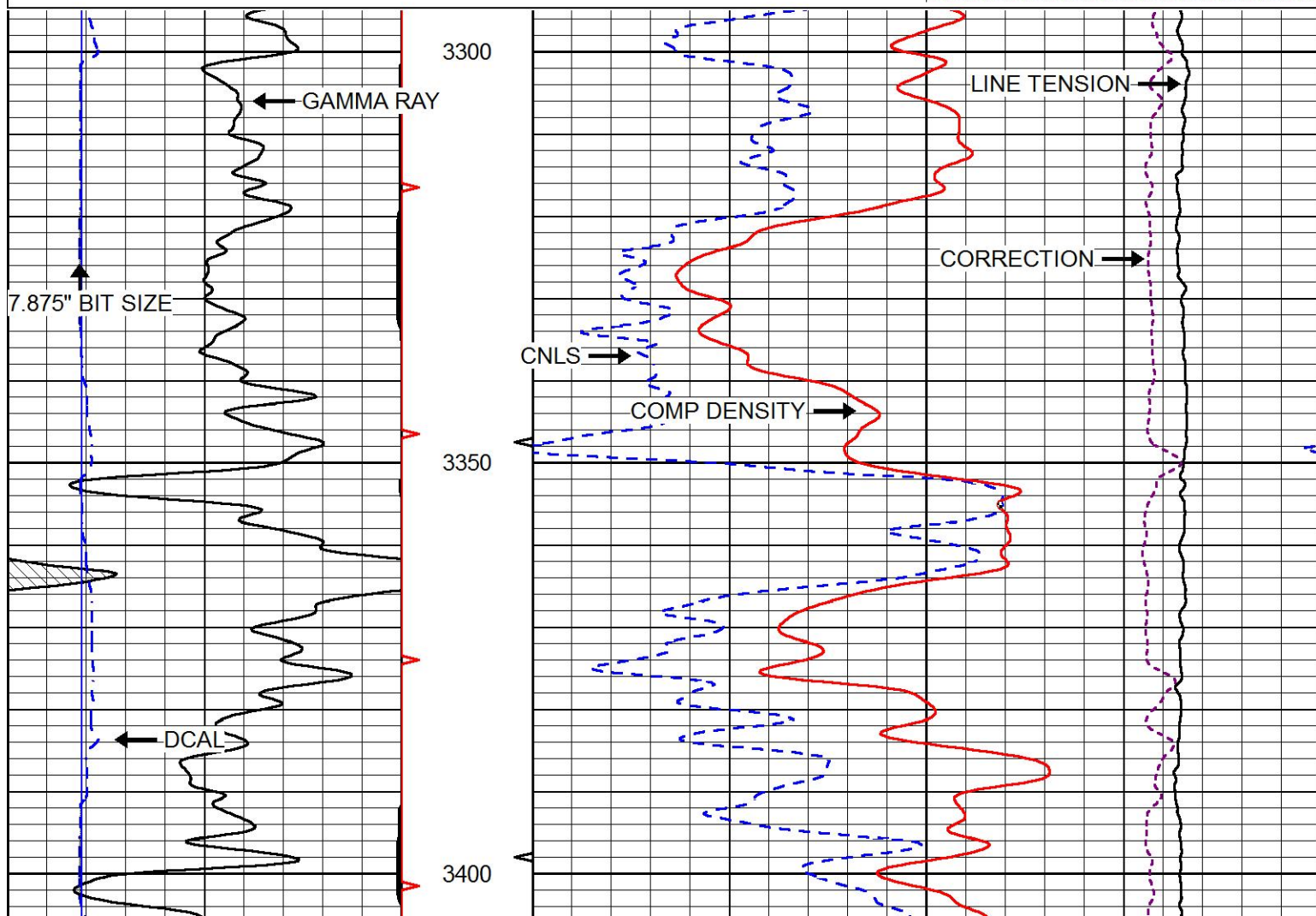
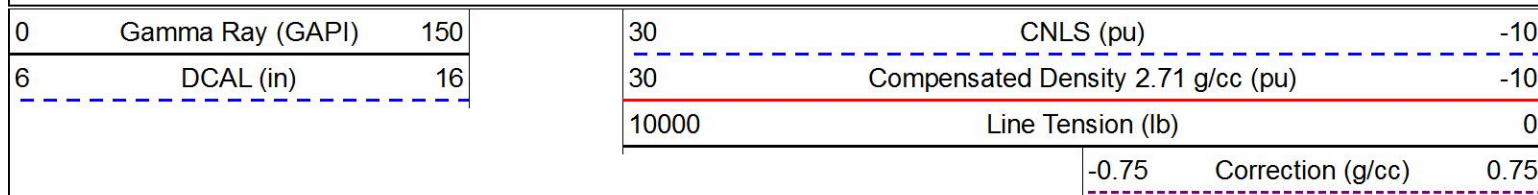


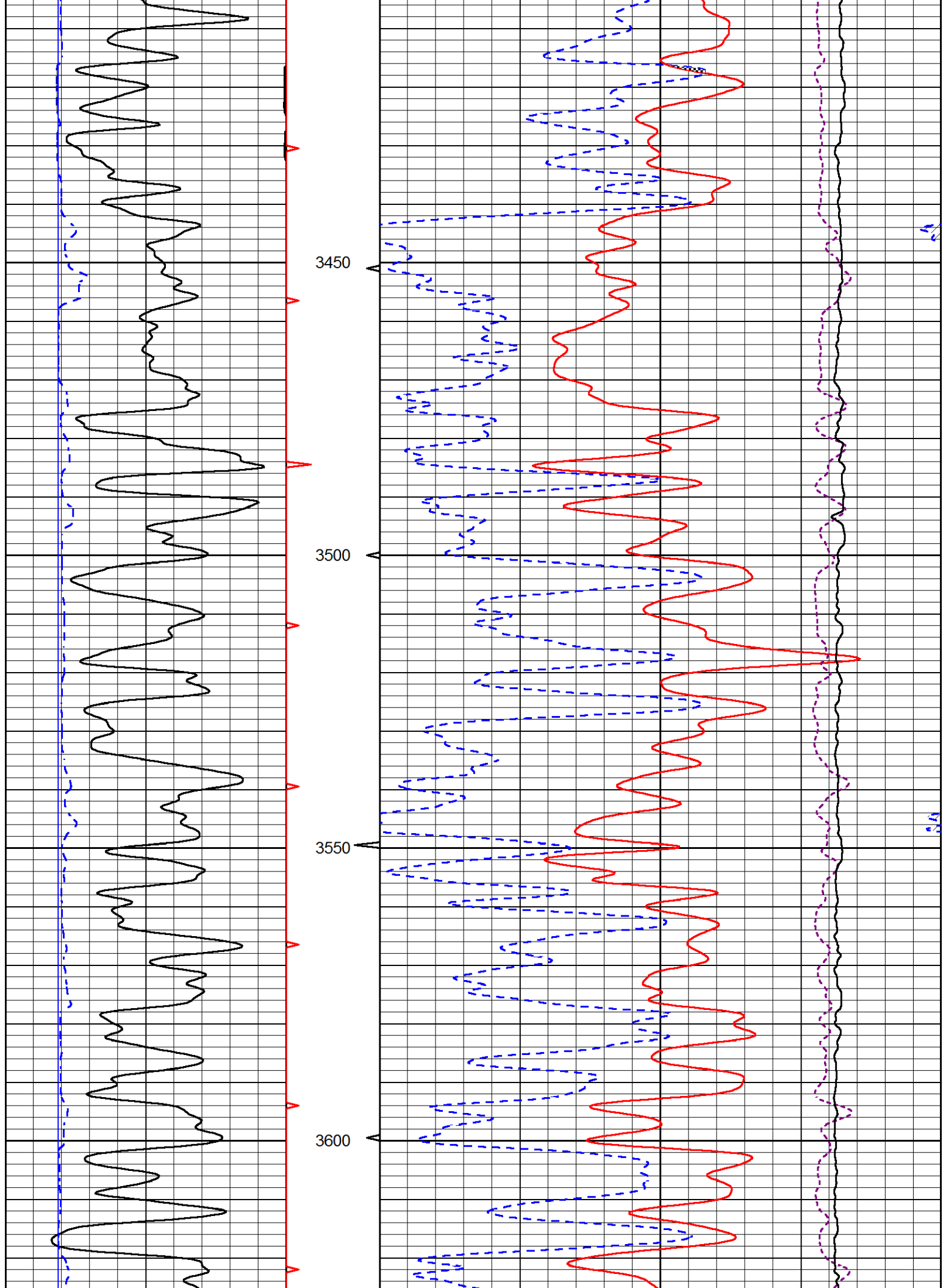


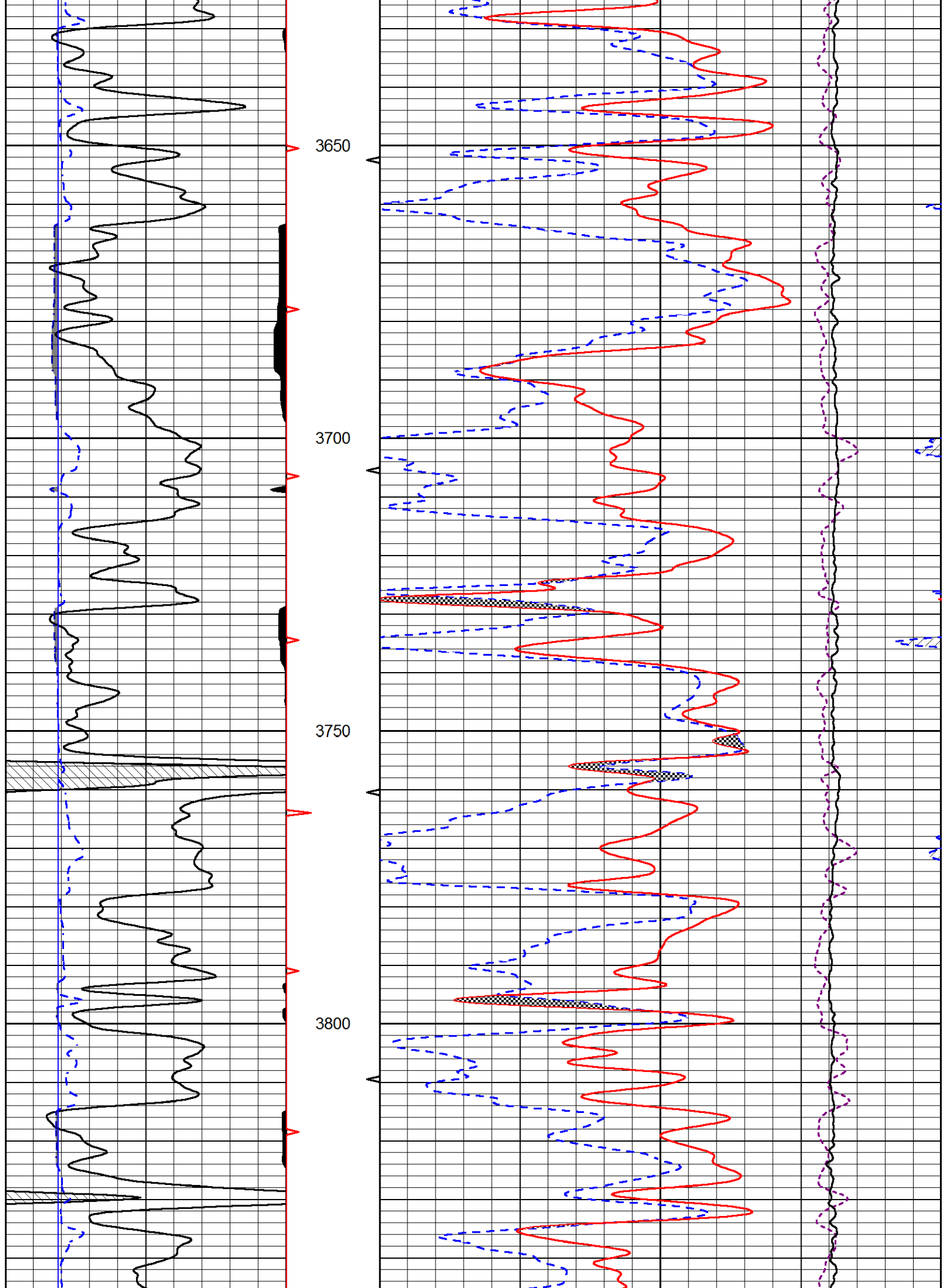


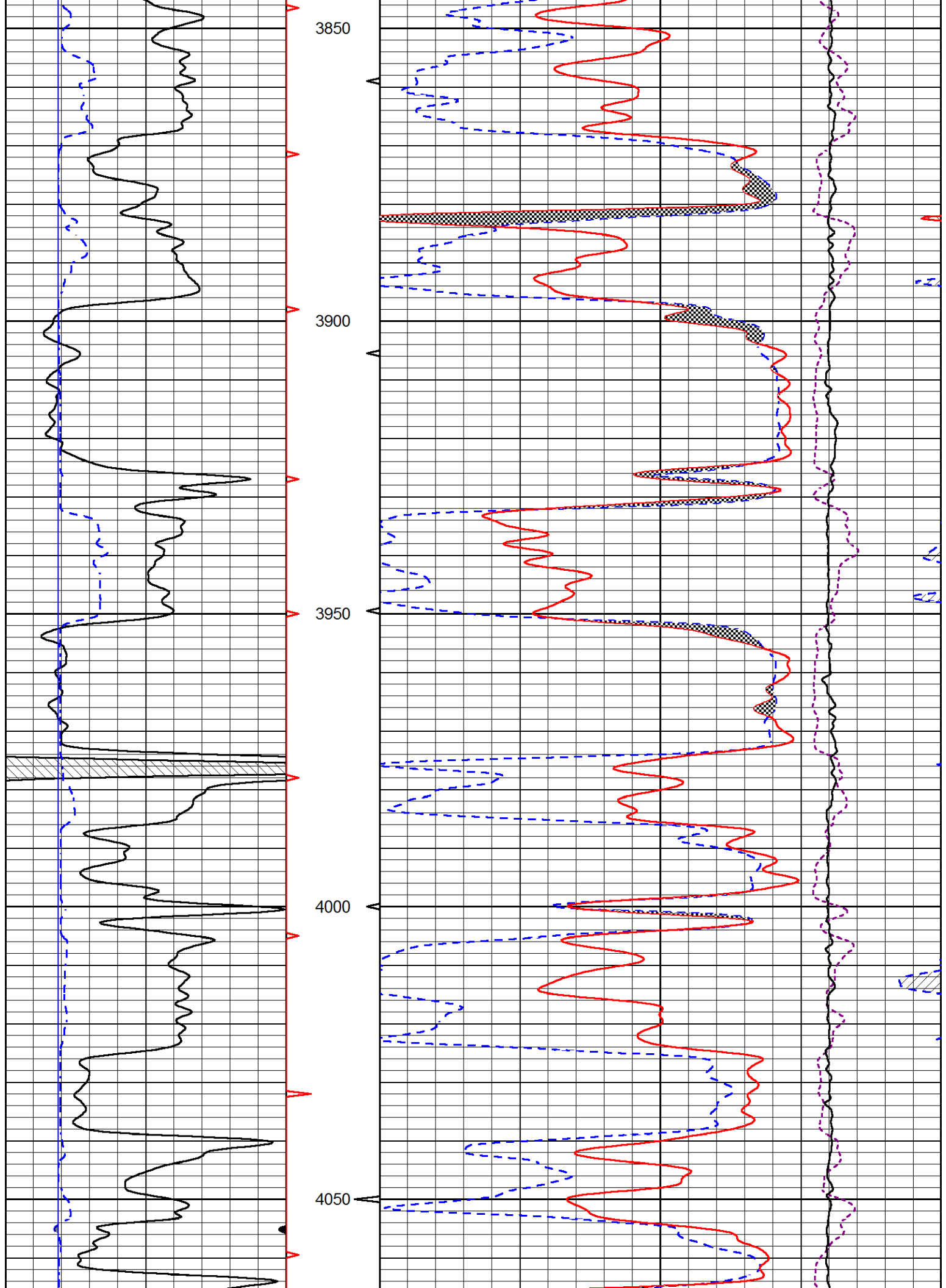
MAIN PASS

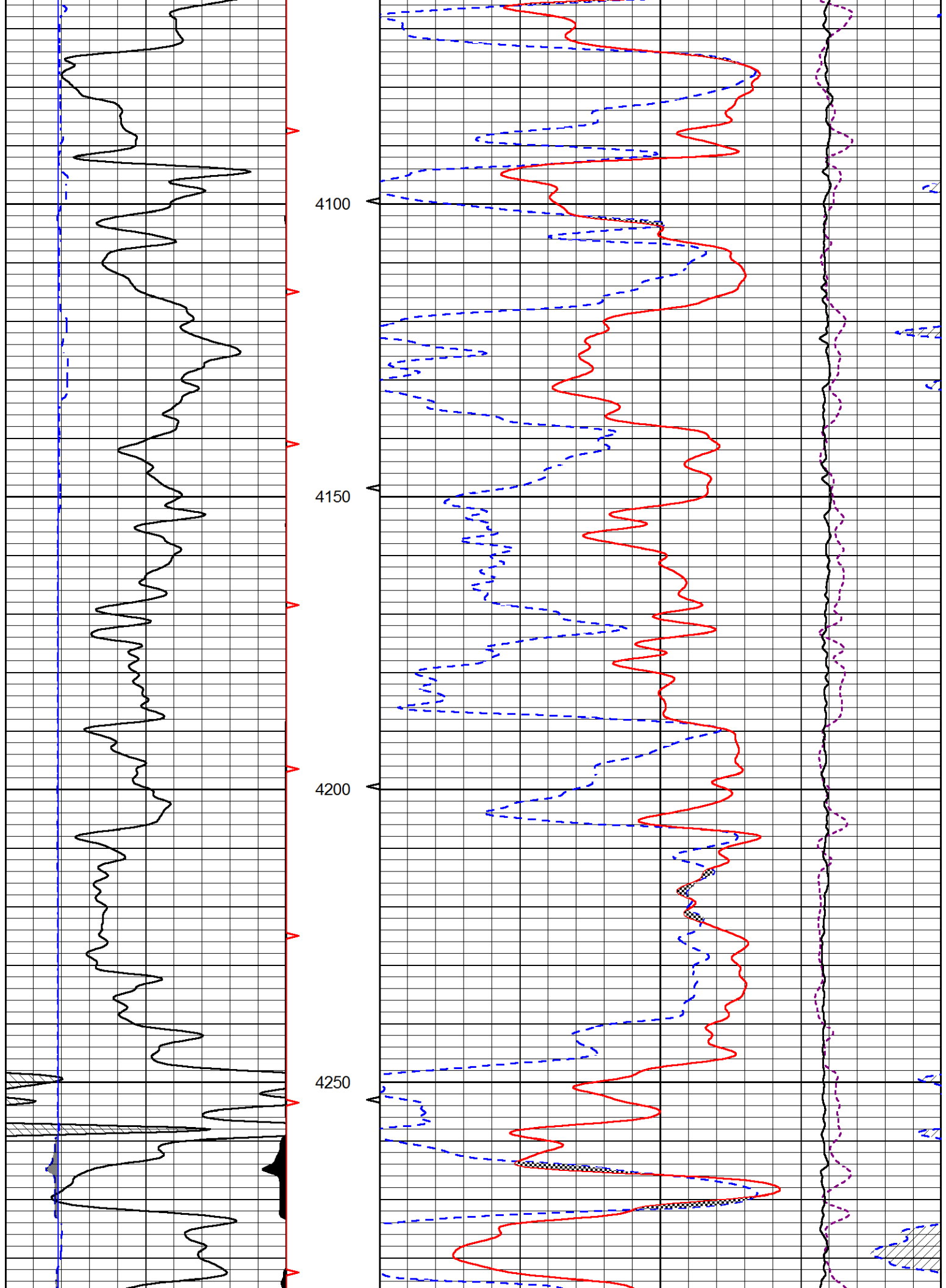
Database File: three forks_may trust 1-30.db
 Dataset Pathname: STKML/pass3.1
 Presentation Format: cndlspec
 Dataset Creation: Fri Sep 29 16:49:59 2017
 Charted by: Depth in Feet scaled 1:240

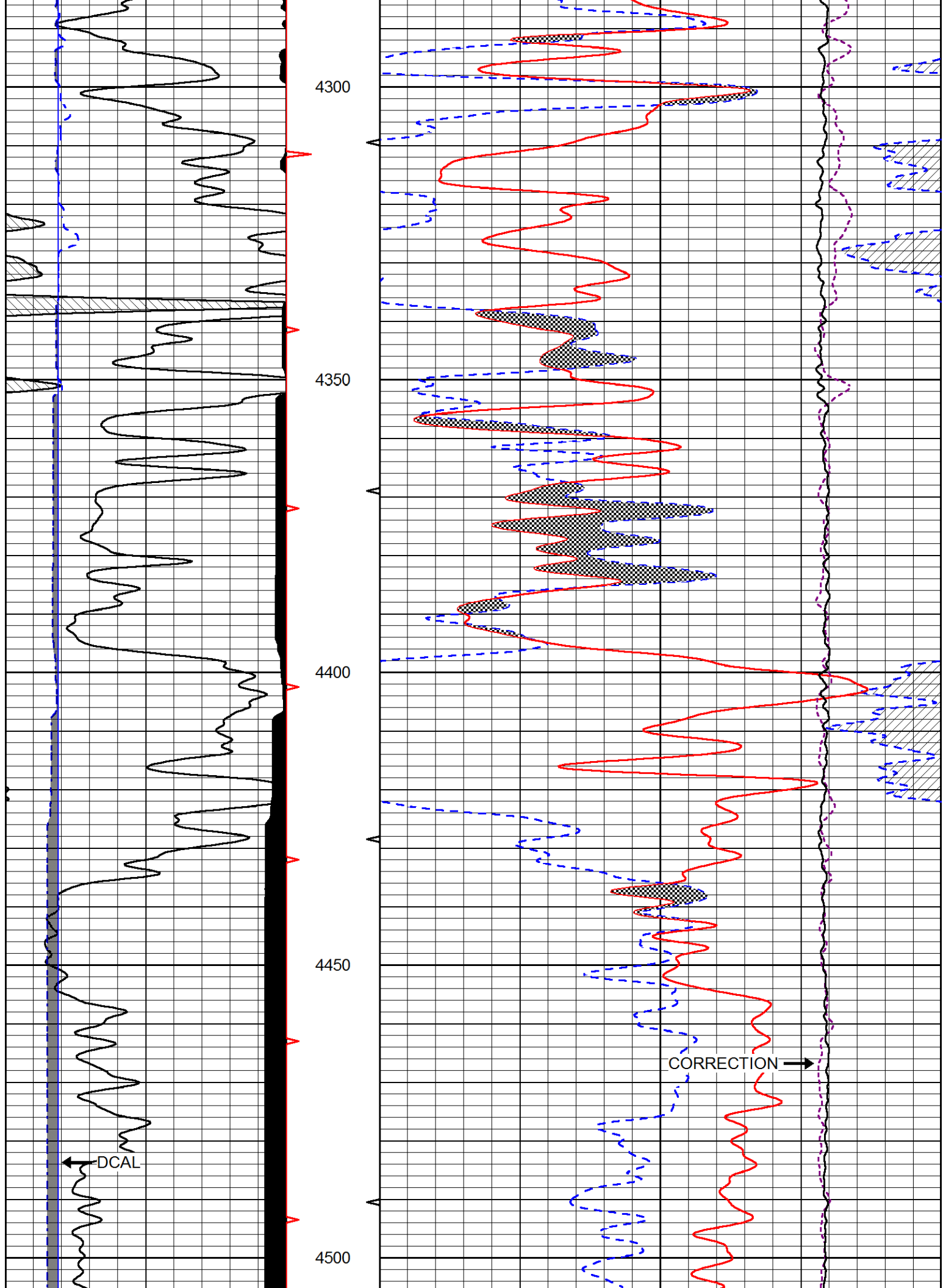


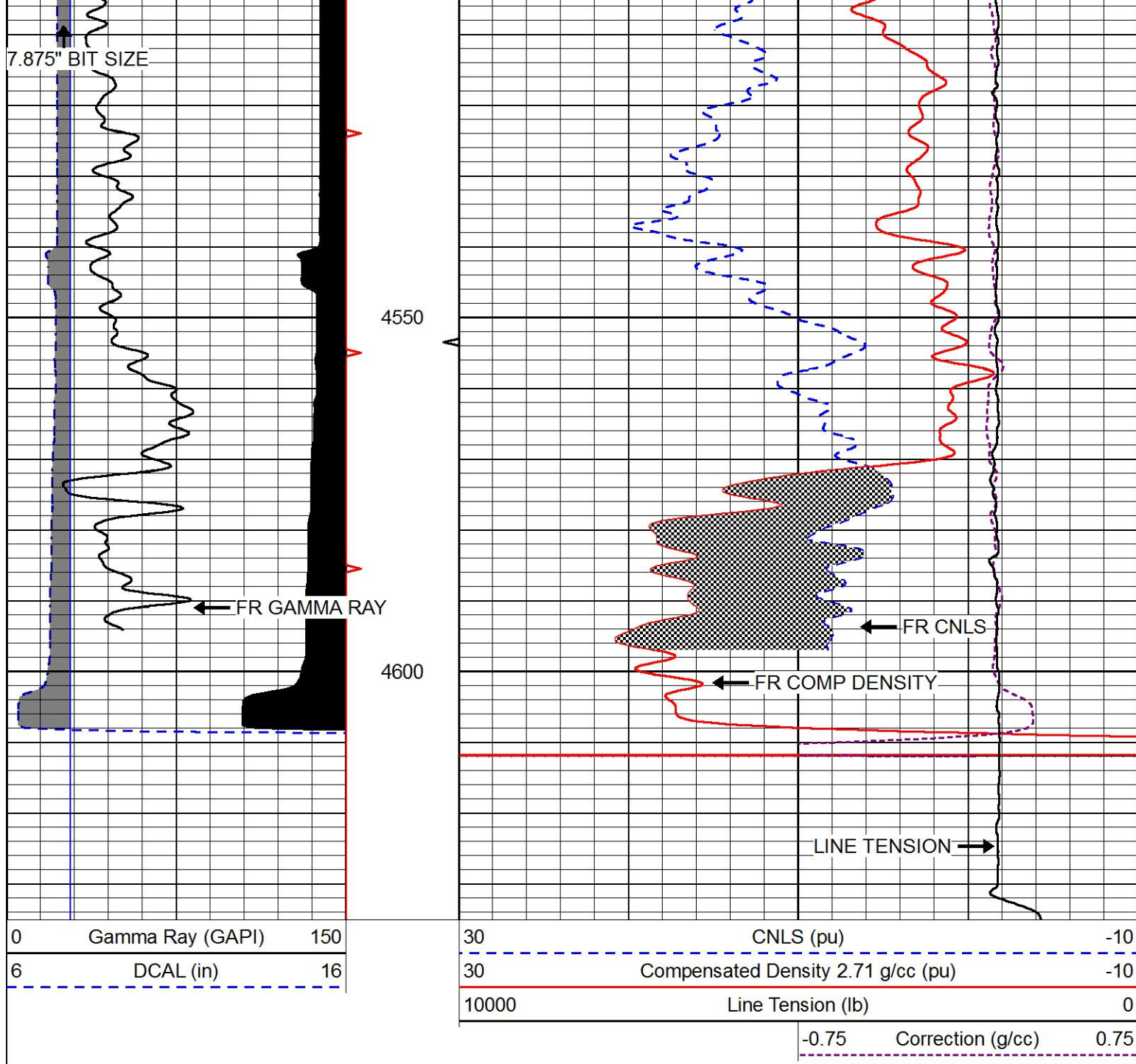






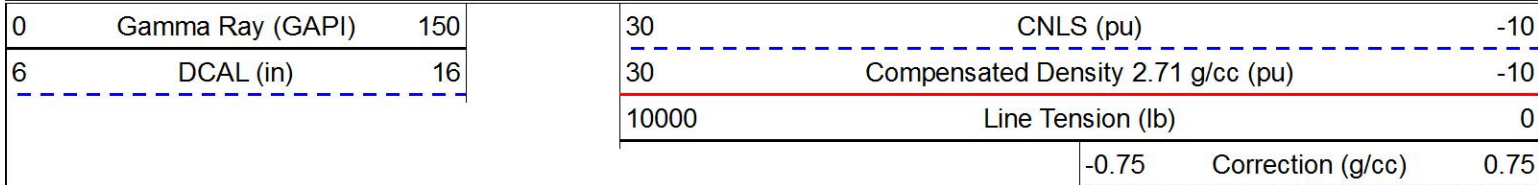


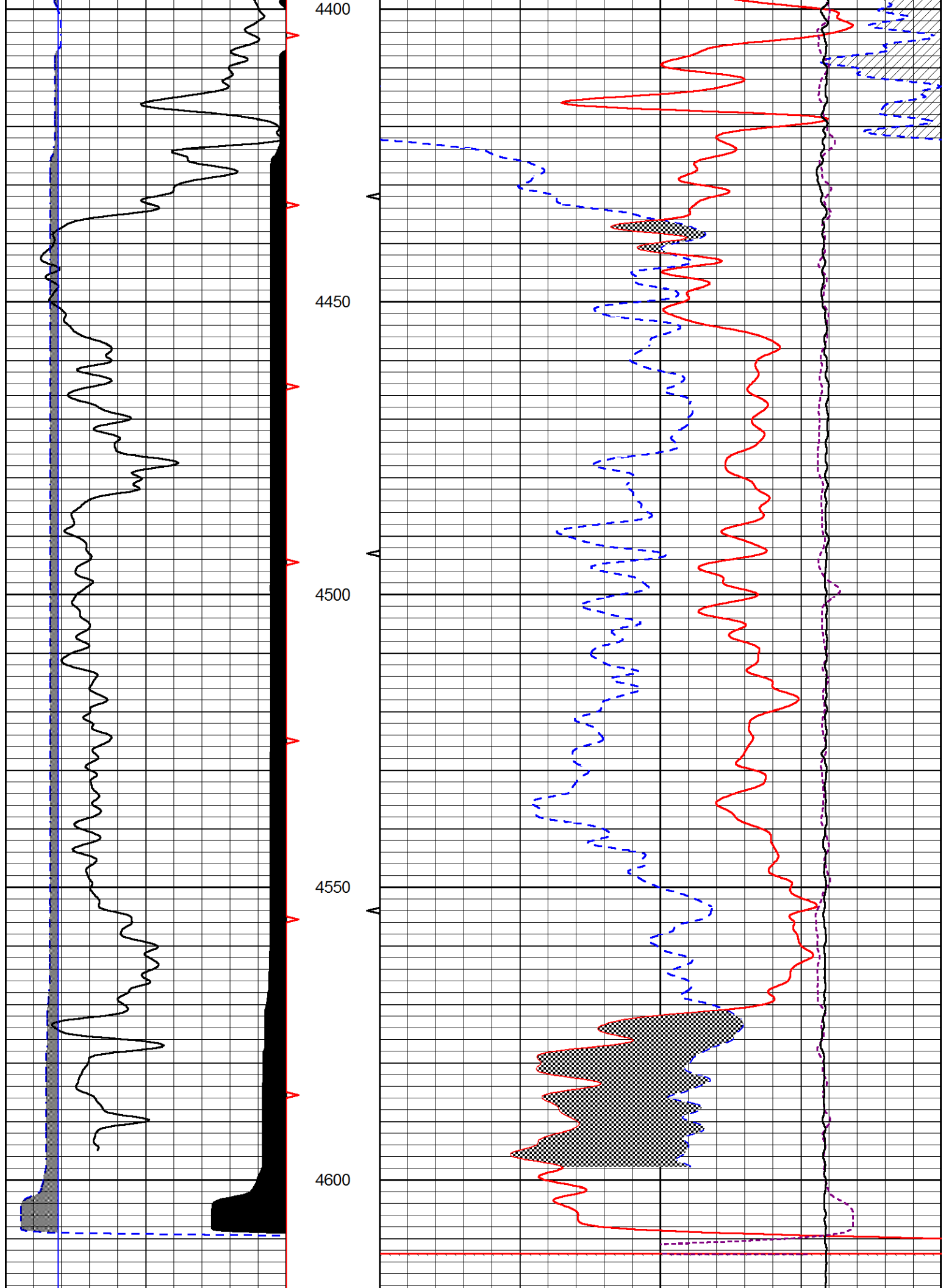




REPEAT SECTION

Database File three forks_may trust 1-30.db
 Dataset Pathname STKML/pass2.1
 Presentation Format cndlspec
 Dataset Creation Fri Sep 29 16:51:43 2017
 Charted by Depth in Feet scaled 1:240





0	Gamma Ray (GAPI)	150	30	CNLS (pu)	-10
6	DCAL (in)	16	30	Compensated Density 2.71 g/cc (pu)	-10
			10000	Line Tension (lb)	0
				-0.75	Correction (g/cc) 0.75

Calibration Report	
Database File	three forks_may trust 1-30.db
Dataset Pathname	STKML/pass3.1
Dataset Creation	Fri Sep 29 16:49:59 2017

Dual Induction Calibration Report	
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Serial-Model:	PSI 91-M&W
Calibration Performed:	Wed Sep 13 22:23:16 2017

Readings			References			Results	
Loop:	Air	Loop	Air	Loop		Gain	Offset
Deep	166.796	835.089	0.000	255.800	mmho/m	0.430	-34.300
Medium	142.009	1348.560	0.000	255.800	mmho/m	0.360	-31.000

Microlog Calibration Report	
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Serial-Model:	PSI-01-PSIML
Performed:	Wed Sep 06 19:50:56 2017

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	19000.0000	-0.7000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	23000.0000	-0.5000
Caliper	1.0001	1.1397	6.5000	18.5000	in	100.0000	-97.2250

Compensated Density Calibration Report	
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Serial-Model:	90-1031-M&W
Source / Verifier:	16955B / 2ci
Master Calibration Performed:	Wed Sep 06 19:51:03 2017

Master Calibration					
Density		Far Detector		Near Detector	
Magnesium	1.755 g/cc	4903.44	6153.79 cps		
Aluminum	2.640 g/cc	934.50	4021.31 cps		
Spine Angle = 75.61			Density/Spine Ratio = 0.517		
Size		Reading			
Small Ring	8.00 in	1.84			
Large Ring	22.00 in	1.46			

Compensated Neutron Calibration Report

Serial Number: 207-MW
 Tool Model: M&W
 Calibration Performed: WED SEP 6 10:30:30 2017

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: 89
 Tool Model: M&W
 Calibration Performed: Wed Sep 06 19:51:14 2017

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.6000 GAPI/cps



Company: THREE FORKS RESOURCES, LLC
 Well: MAY TRUST #1-30
 Field: WILDCAT
 County: DECATUR
 State: KANSAS