



DUAL COMP POROSITY LOG

MIDWEST WIRELINE

Company Blue Goose Drilling Co. Inc.
Well Borell "I" #1
Field LS East
County Lane
State Kansas

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Location: API #: 15-101-22663-00-00

Other Services

SEC 33 TWP 17S RGE 27W
2310 FSL & 2290 FWL

DIL
MEL

Permanent Datum Ground Level Elevation 2695
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

K.B. 2705
D.F.
G.L. 2695

Date 1/18/2022

Run Number One

Type Log CNL/CDL

Depth Driller 4665

Depth Logger 4666

Bottom Logged Interval 4634

Top Logged Interval 3700

Type Fluid In Hole Chemical

Salinity, PPM CL 4500

Density 9.2

Level Full

Max. Rec. Temp. F 123

Operating Rig Time 2 Hours

Equipment -- Location P-108 HAYS

Recorded By J. Henrickson

Witnessed By Ken Wallace

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	255	8.625	24	0	255
Two	7.875	255	TD				

<<< Fold Here >>>

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

Ness City
West to Turkey Red, 4 1/2 North, 1/2 West,
South Into

Log Measured From: Kelly Bushing 10 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: J. Henrickson
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Ken Wallace
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 123	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV 510	degF 59	Off	ft 4666

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.33		GR-M&W (103)	3.00	3.50	50.00
CNLSC CNSSC	37.23 36.48		CNT-M&W (210)	5.00	3.50	100.00
LSD DCAL SSD	28.18 28.17 27.68		CDL-M&W (303-03)	8.50	4.00	250.00
ML-PSI STKBL ML (402)			ML-PSI STKBL ML (402)	7.58	4.00	65.00
MCAL MI MN	19.58 19.58 19.58					
RLL3F RLL3	15.50 15.50					
CILD	8.33		DIL-M&W (504 HT)	18.25	3.50	220.00

CILM

4.50

SP

0.20

Dataset: blue_goose_borell_i_1.db: field/well/stackml/pass3.1
 Total length: 42.33 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in



MIDWEST WIRELINE

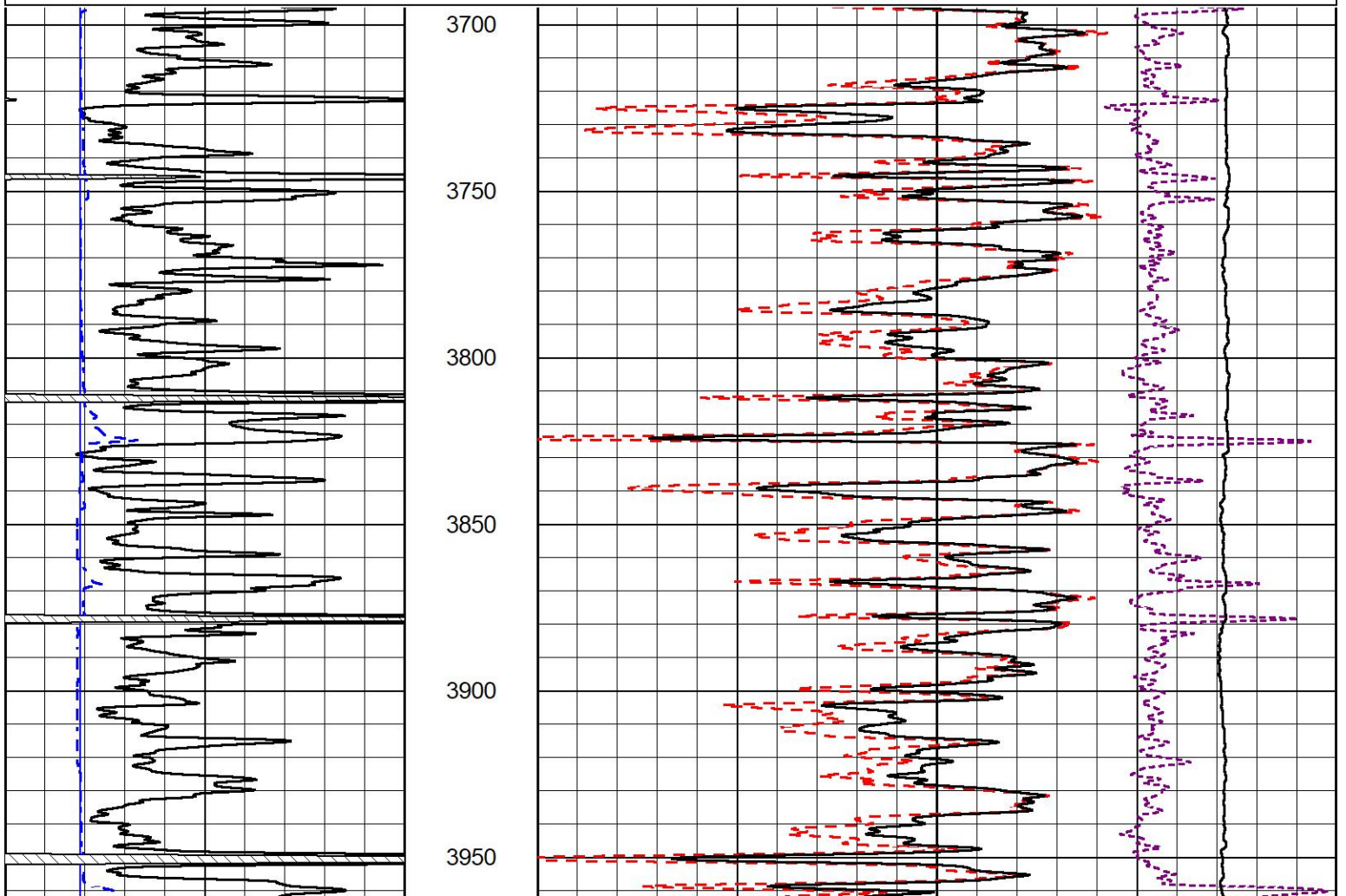
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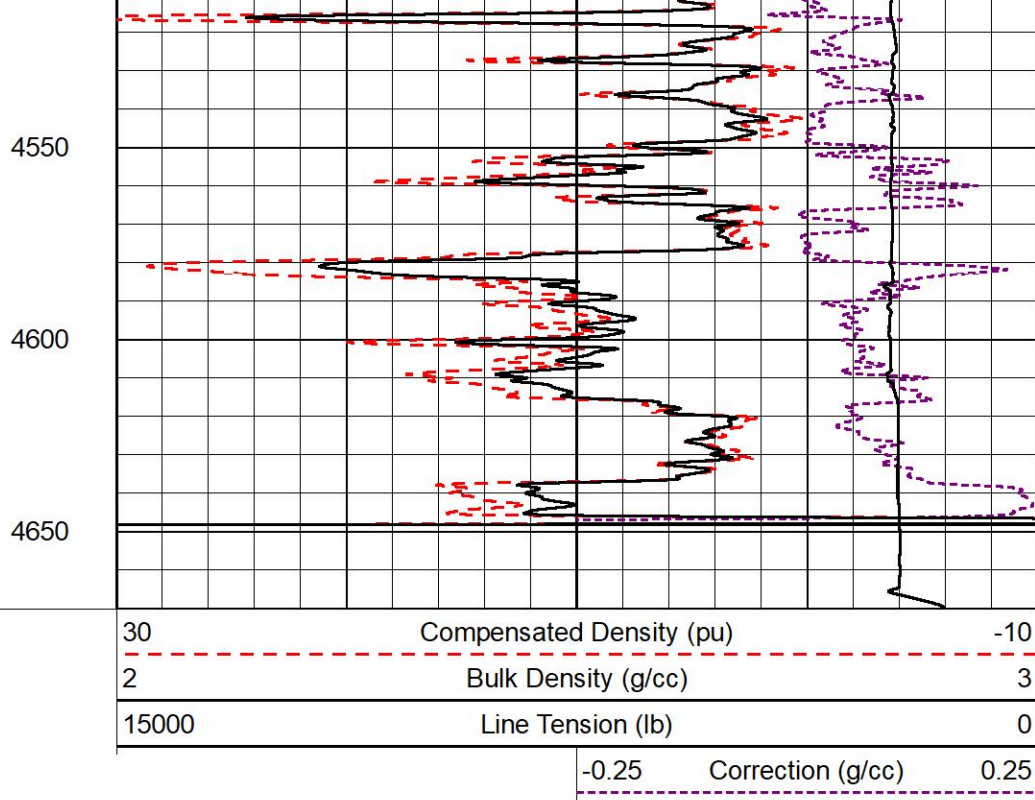
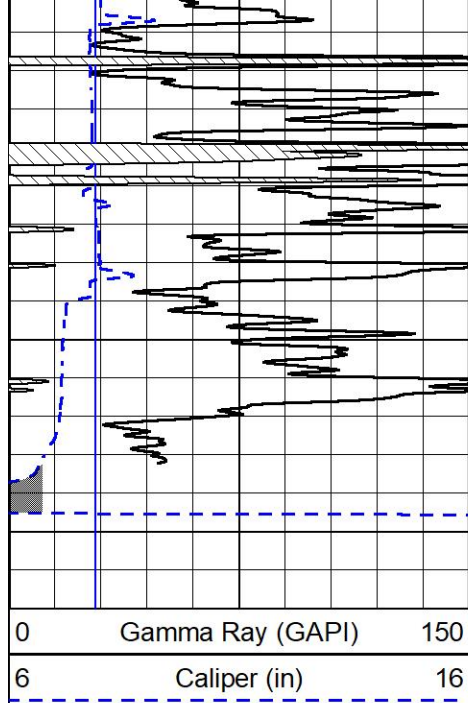
MAIN PASS

Database File blue_goose_borell_i_1.db
 Dataset Pathname stackml/pass3.1
 Presentation Format _cdl
 Dataset Creation Tue Jan 18 16:02:25 2022
 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



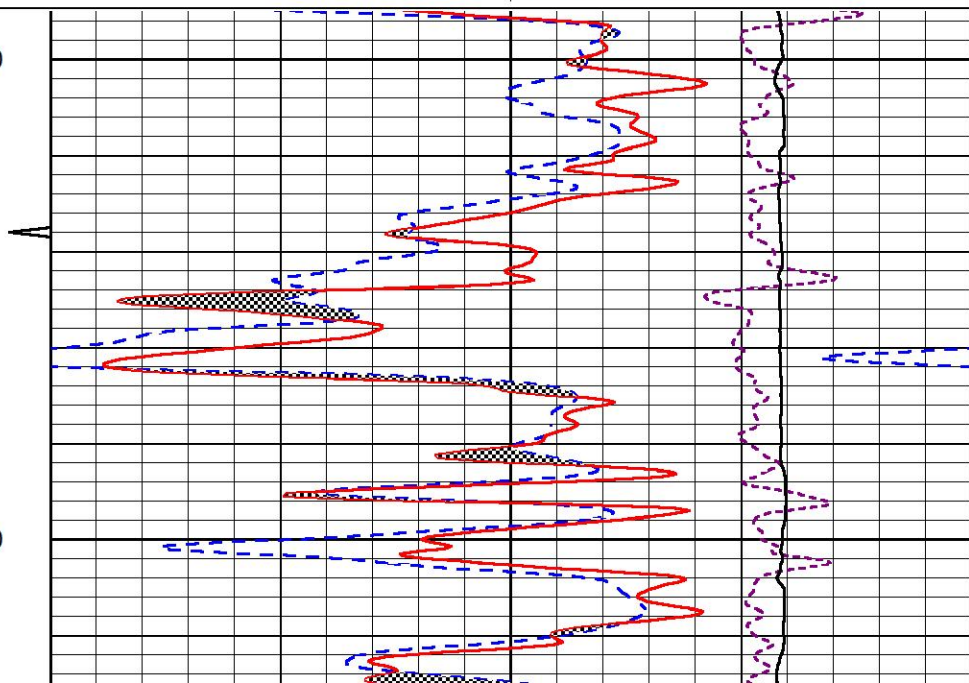
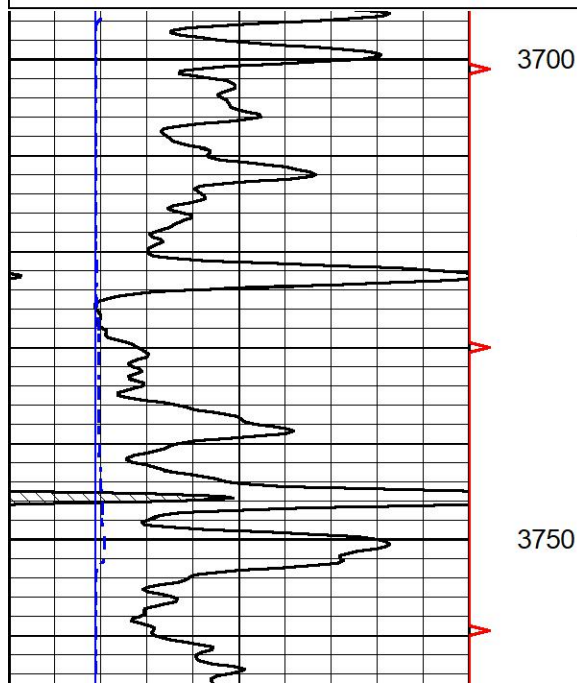
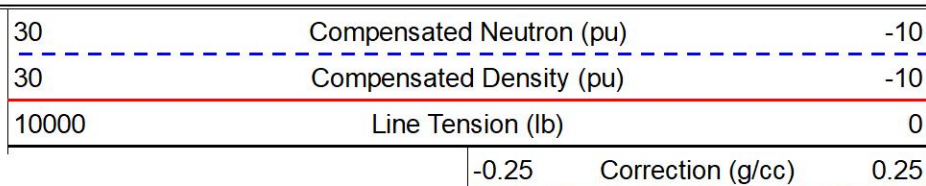
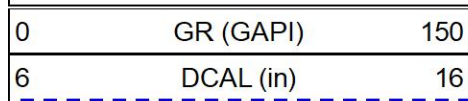


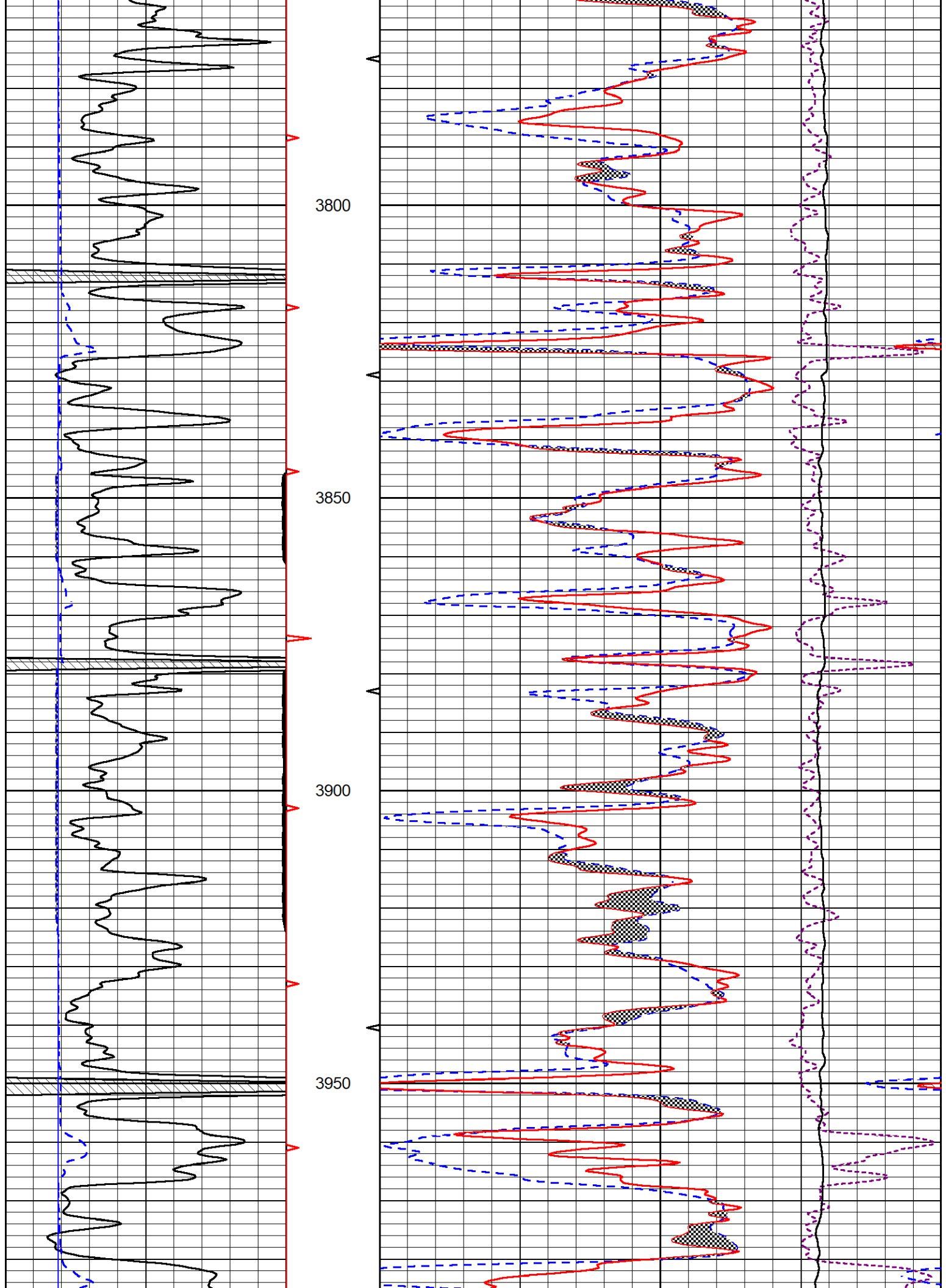
MIDWEST WIRELINE

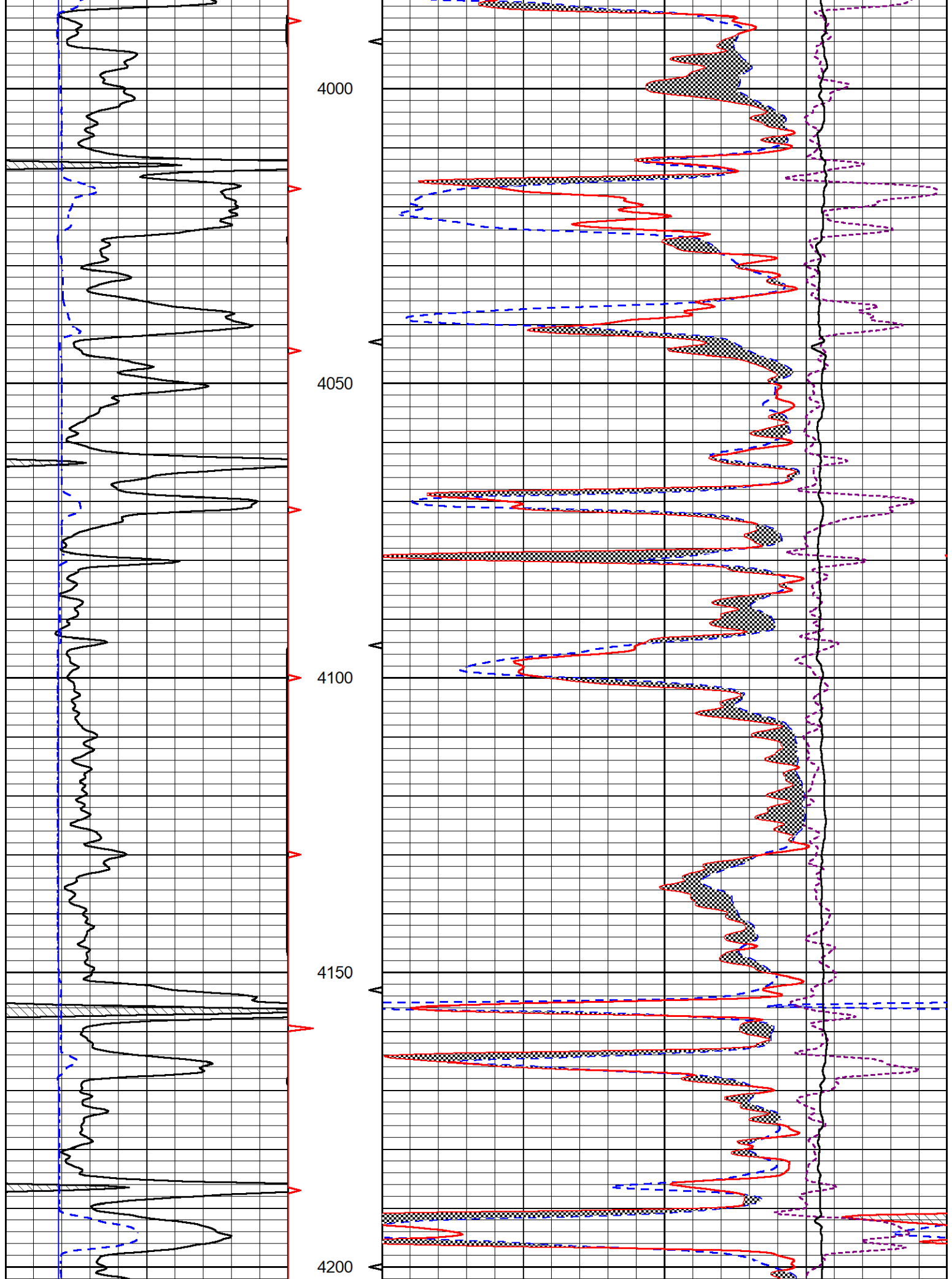
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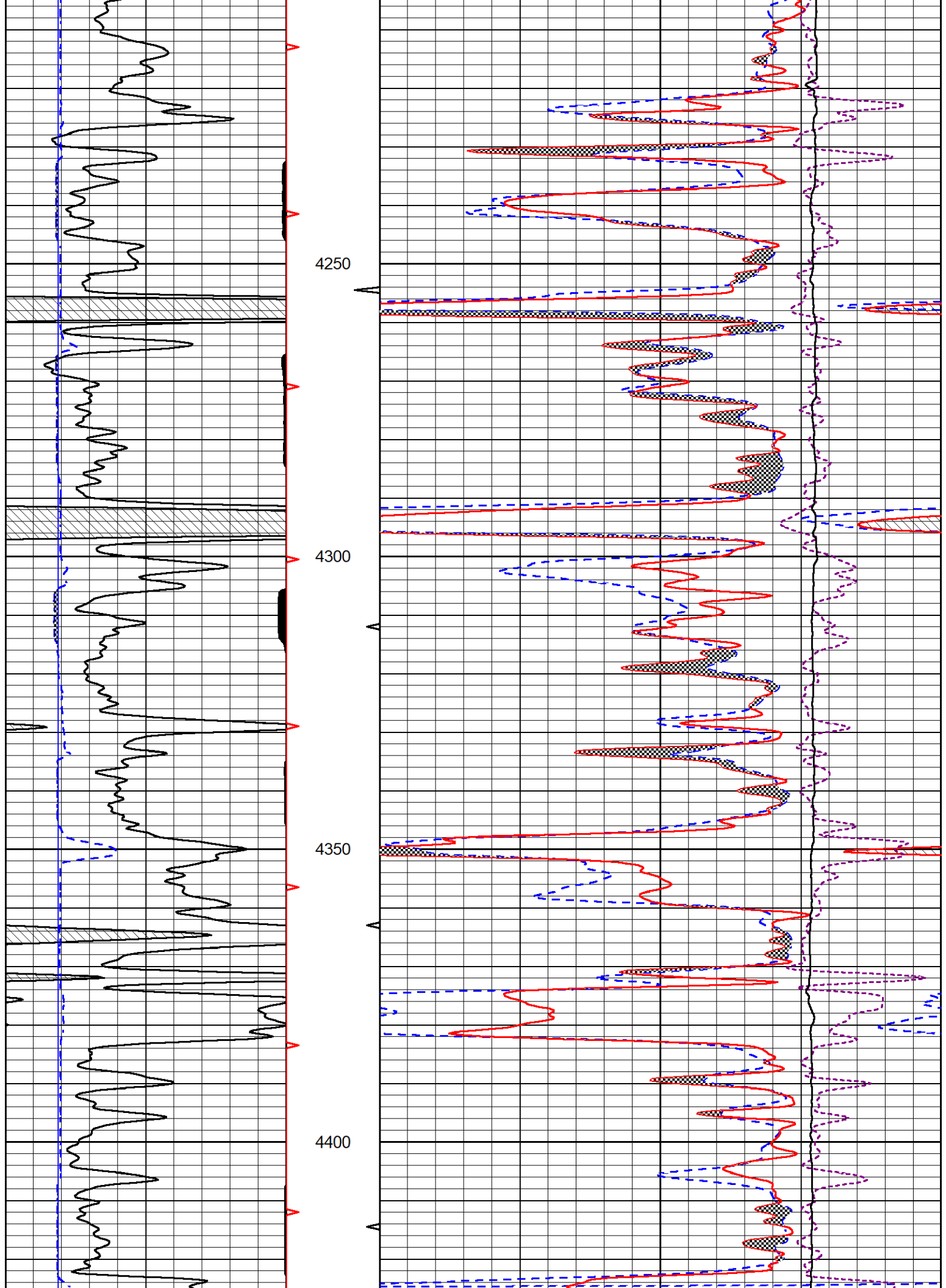
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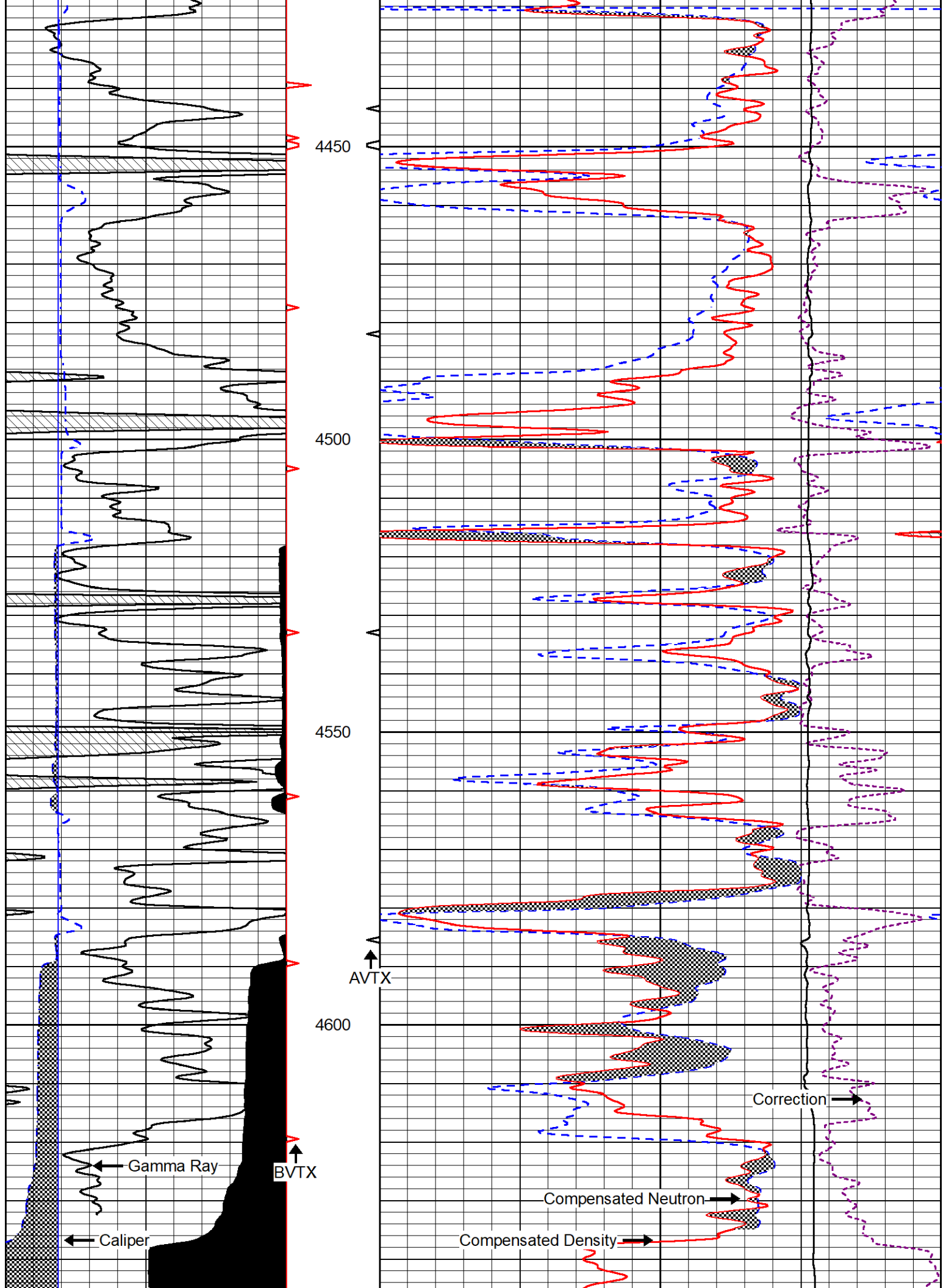
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 Dataset Creation Tue Jan 18 16:02:25 2022
 Charted by Depth in Feet scaled 1:240

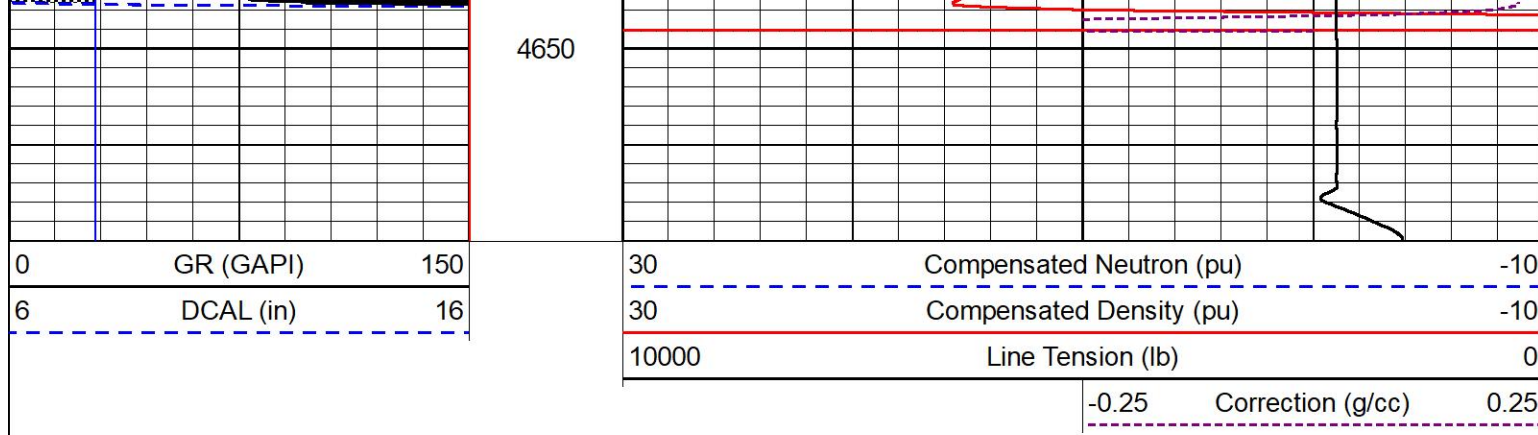








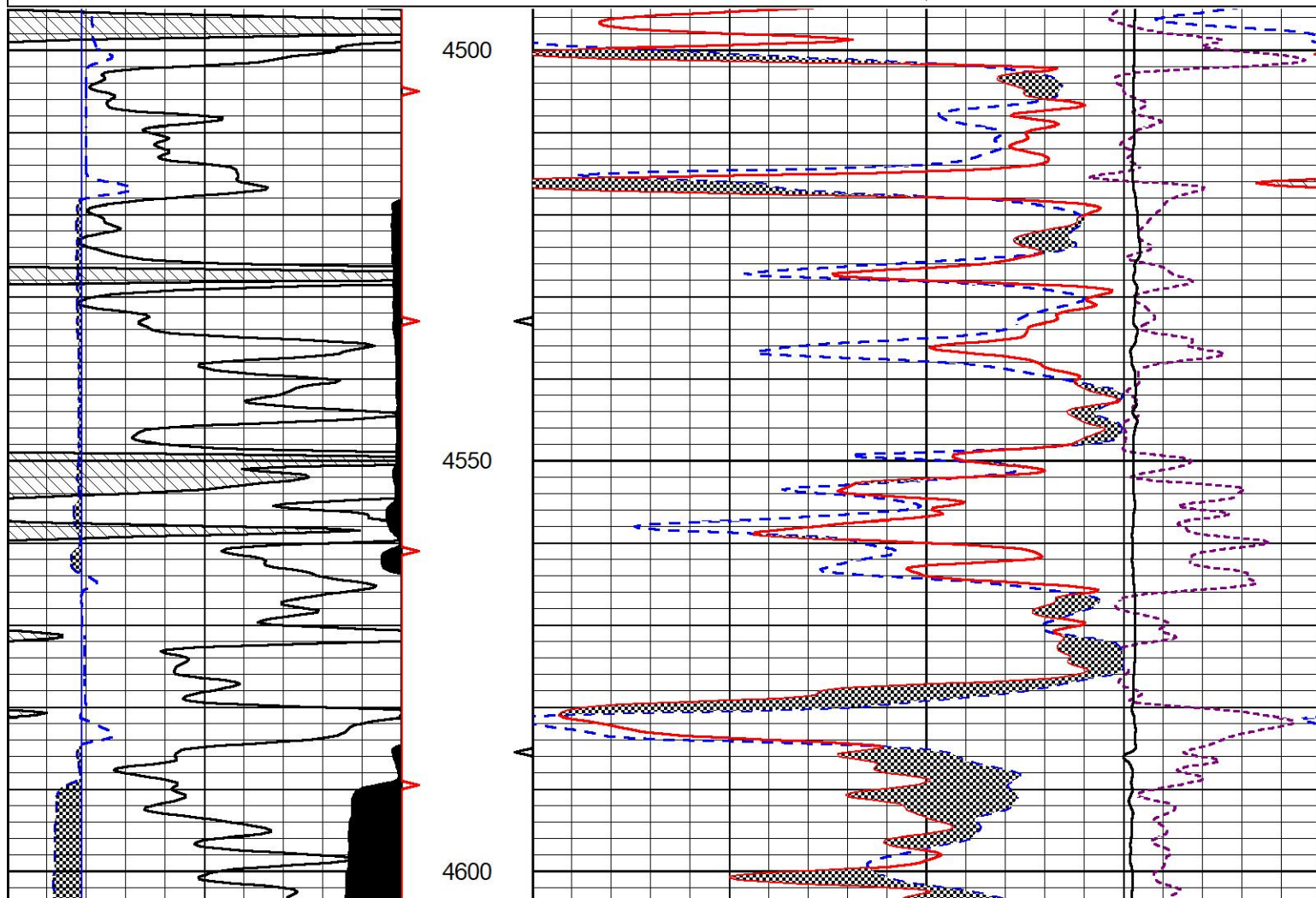
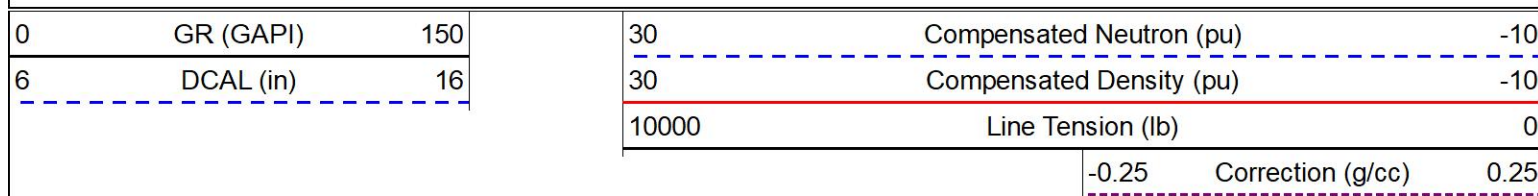


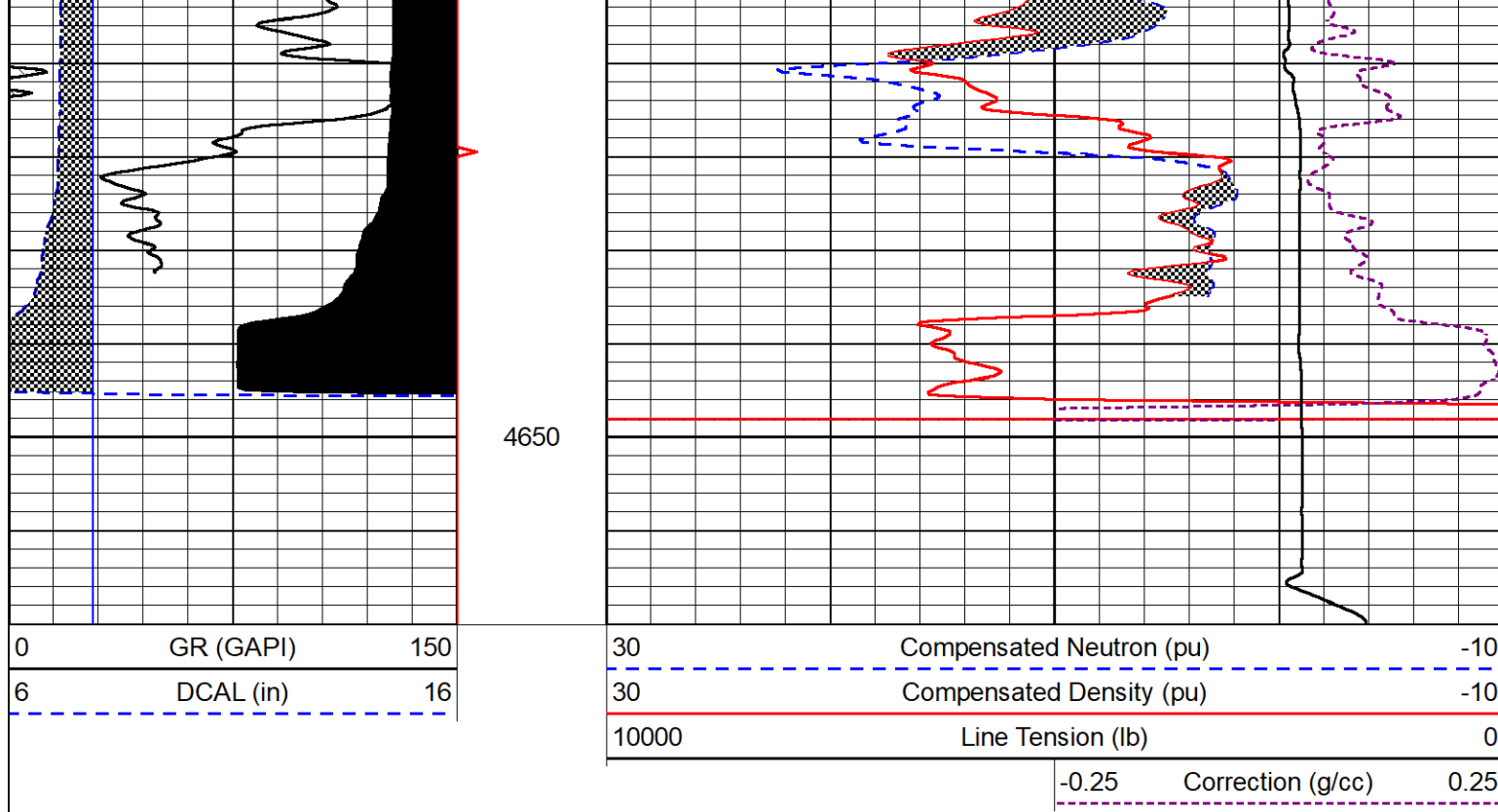


REPEAT SECTION

REPEAT PASS

Database File blue_goose_borell_i_1.db
 Dataset Pathname stackml/pass2.1
 Presentation Format _CNDLS~1
 Dataset Creation Tue Jan 18 15:10:51 2022
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File blue_goose_borell_i_1.db
Dataset Pathname stackml/pass3.1
Dataset Creation Tue Jan 18 16:02:25 2022

Dual Induction Calibration Report

Serial-Model: 504 HT-M&W
Surface Cal Performed: Thu Dec 16 22:32:49 2021

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	0.650	-19.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-45.500

Microlog Calibration Report

Serial-Model: 402-PSI STKBL ML
Performed: Thu Dec 16 22:29:48 2021

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	15000.0000	-1.0000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	15000.0000	0.0000
Caliper	1.0020	1.0834	5.5000	16.5000	in	135.1520	-131.2000

Compensated Density Calibration Report

Serial-Model: 303-03-M&W
Source #: 21170B
Master Calibration Performed: Thu Dec 16 23:28:34 2021

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3841.78	5151.73	cps
Aluminum	2.670	g/cc	700.98	3068.49	cps
Spine Angle = 73.06			Density/Spine Ratio = 0.515		
	Size		Reading		
Small Ring	4.00	in	1.17		
Large Ring	14.00	in	1.05		

Compensated Neutron Calibration Report

Serial-Model: 210-M&W
 Source #: N-1238
 Master Calibration Performed: Fri Dec 3 09:16:24 2021

Master 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: 103
 Tool Model: M&W
 Performed: Fri Dec 3 12:13:24 2021

Calibrator Value: 500.0 GAPI

Background Reading: 28.0 cps
 Calibrator Reading: 986.0 cps

Sensitivity: 0.5700 GAPI/cps



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 State Kansas