



DENSITY NEUTRON LOG

Company BLACK ROCK RESOURCES, LLC.

Well FLORA #1-24

Field UNNAMED

County GOVE State KS

Location: API #: 15 063 22401

2310' FSL & 330' FEL

SEC 24 TWP 13S RGE 27W

Permanent Datum Ground Level Elevation 2438
Log Measured From KB 10' AGL
Drilling Measured From KB

Other Services
DIL
ML
Elevation
K.B. 2448
D.F. 2446
G.L. 2438

Date 7/12/22

Run Number One

Depth Driller 4370

Depth Logger 4370

Bottom Logged Interval 4350

Top Log Interval 3500

Casing Driller 8 5/8" @ 270'

Casing Logger 270

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 9.1/57

pH / Fluid Loss 10.5/5.8

Source of Sample Pit

Rm @ Meas. Temp 1.7@70degf

Rmf @ Meas. Temp 1.3@70degf

Rmc @ Meas. Temp 2.04@70degf

Source of Rmf / Rmc Calculated

Rm @ BHT .98@110degf

Time Circulation Stopped 9:00 A.M.

Time Logger on Bottom 11:30 AM

Maximum Recorded Temperature 122degf

Equipment Number T605

Location Hays, KS

Recorded By GUS PFANENSTIEL

Witnessed By CHAD COUNTS

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

SOUTH OF QUINTER TO GOVE O RD. WEST 1.5, NORTH INTO.

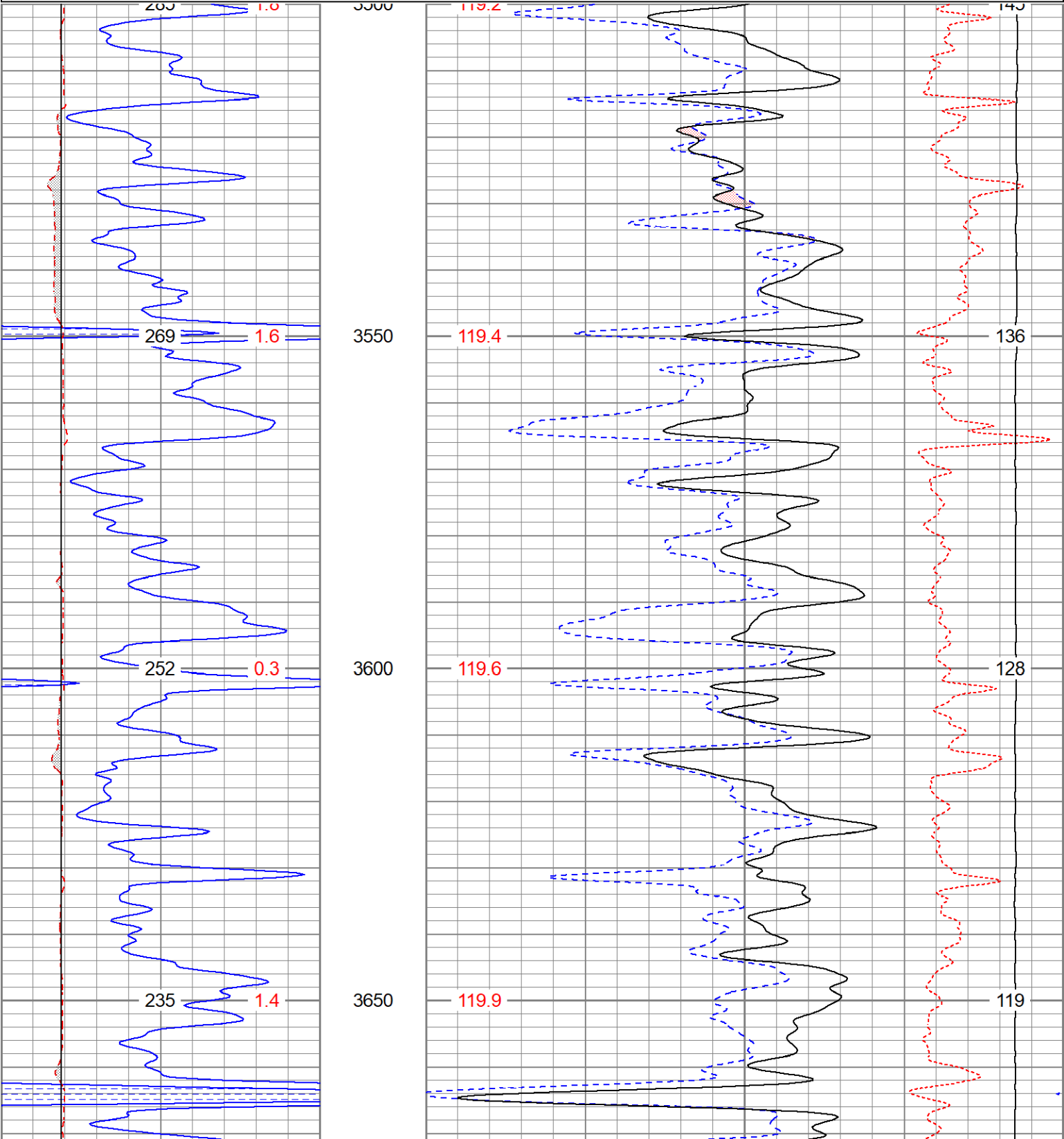
Thank You for using Gemini Wireline LLC
785-625-1182

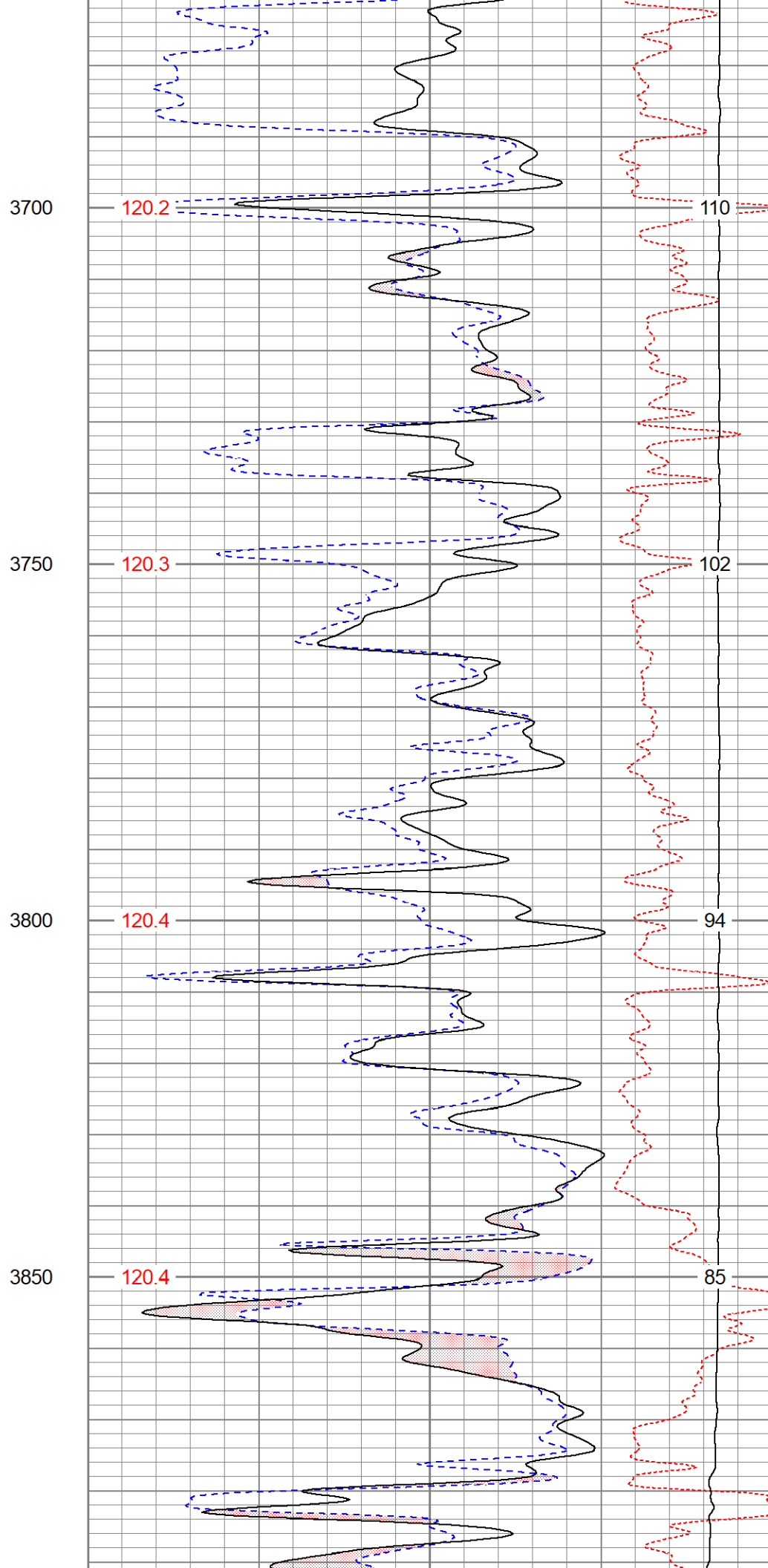
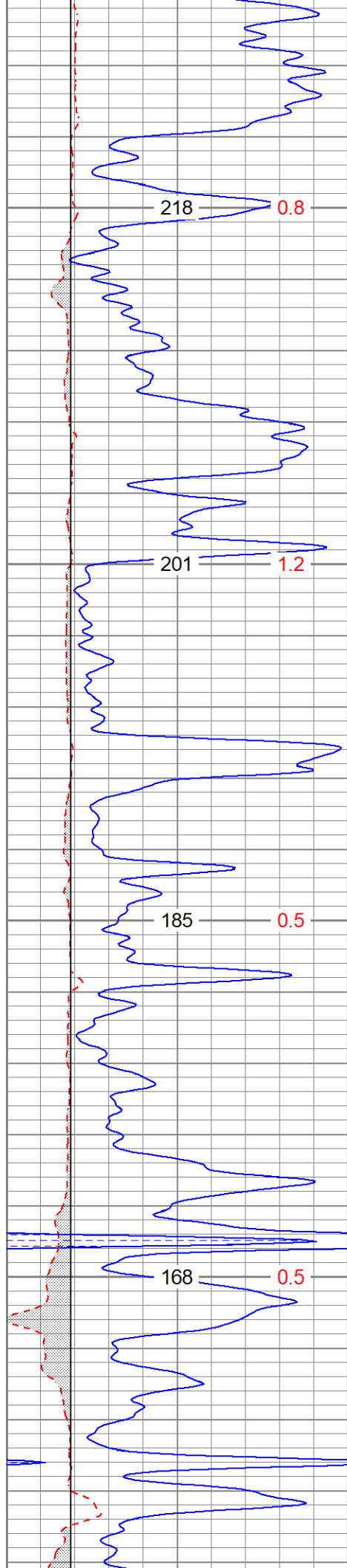


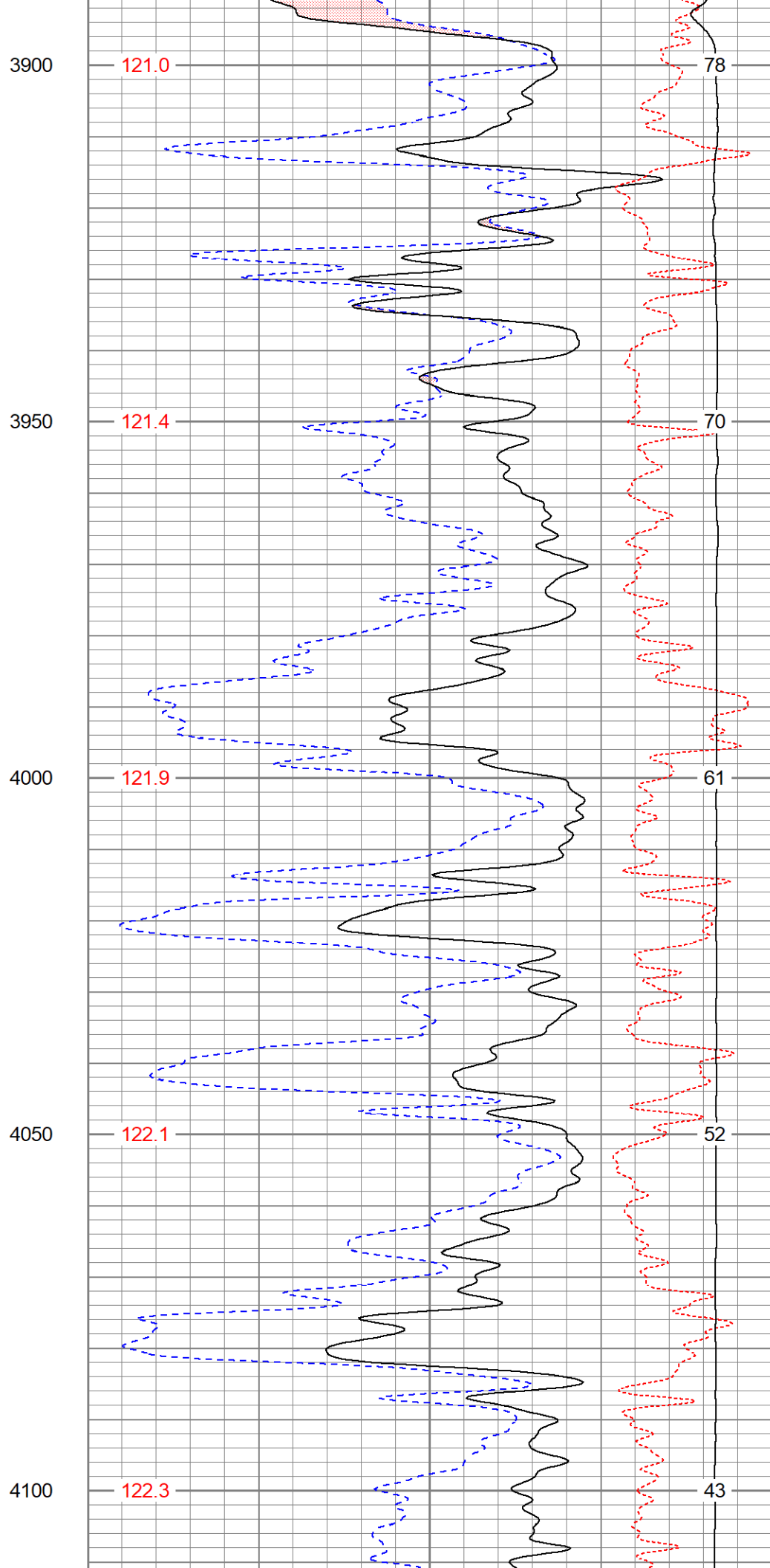
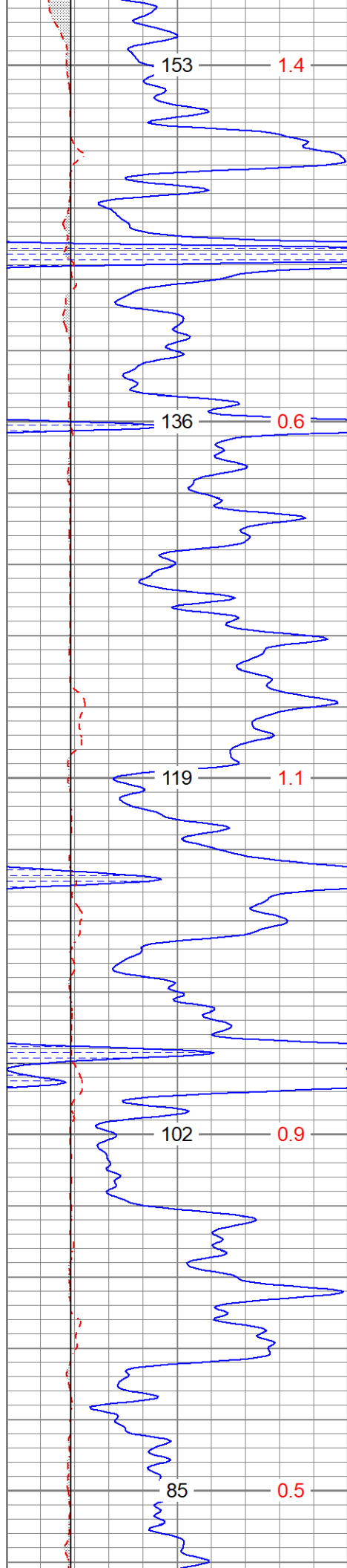
MAIN PASS

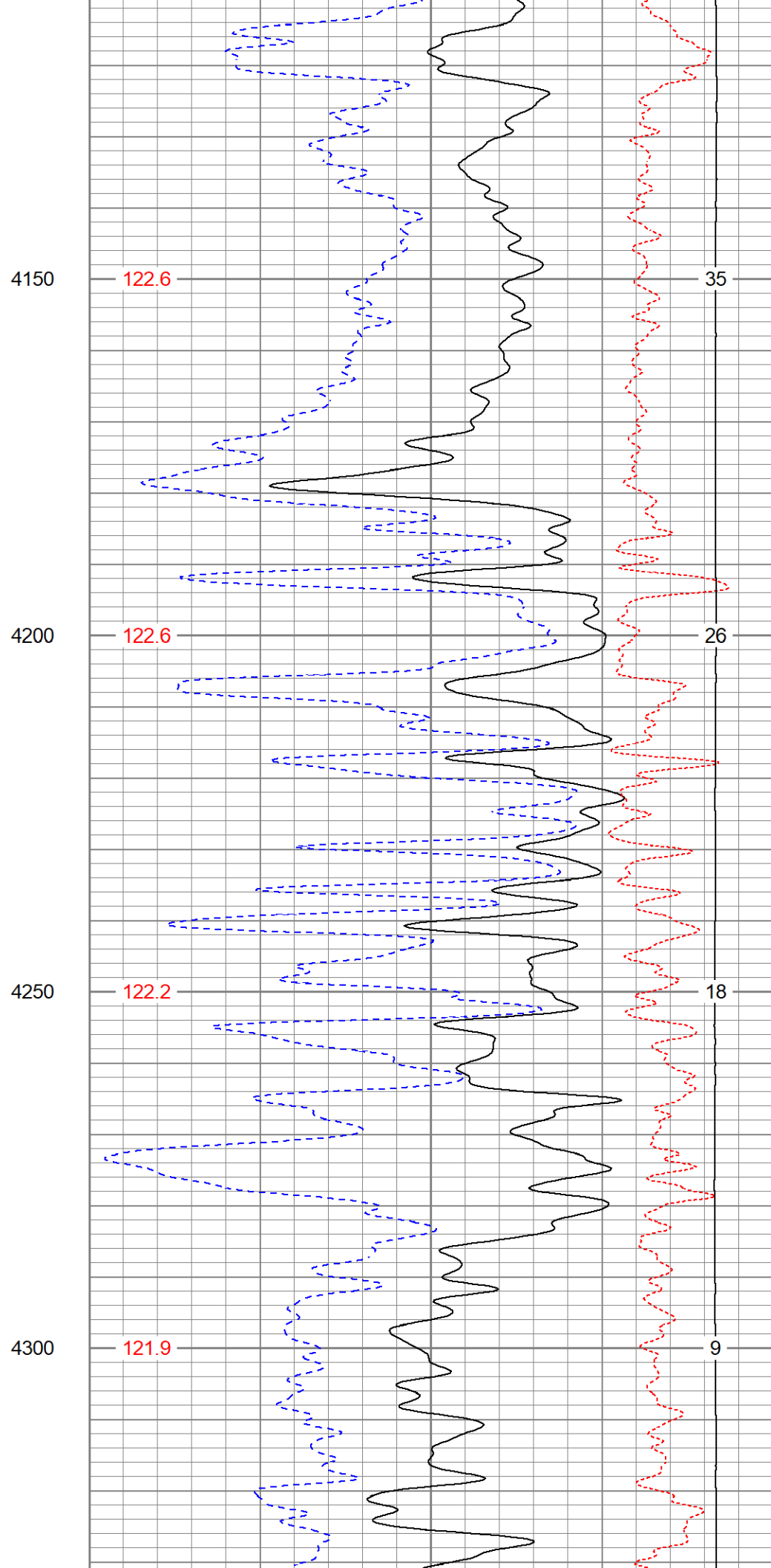
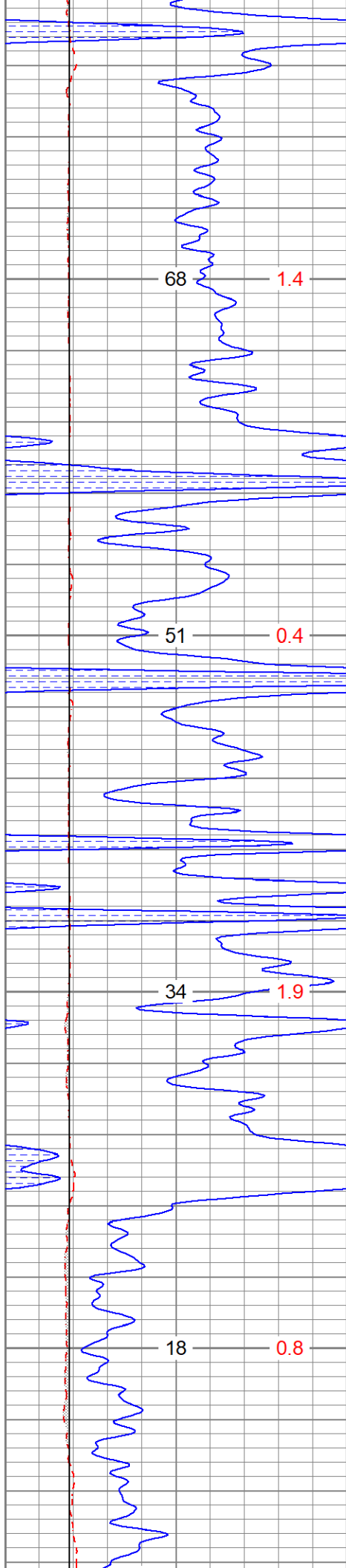
Database File	brflora#1-24oh.db
Dataset Pathname	pass3.1
Presentation Format	digital_kcdnl
Dataset Creation	Tue Jul 12 12:40:44 2022
Charted by	Depth in Feet scaled 1:240

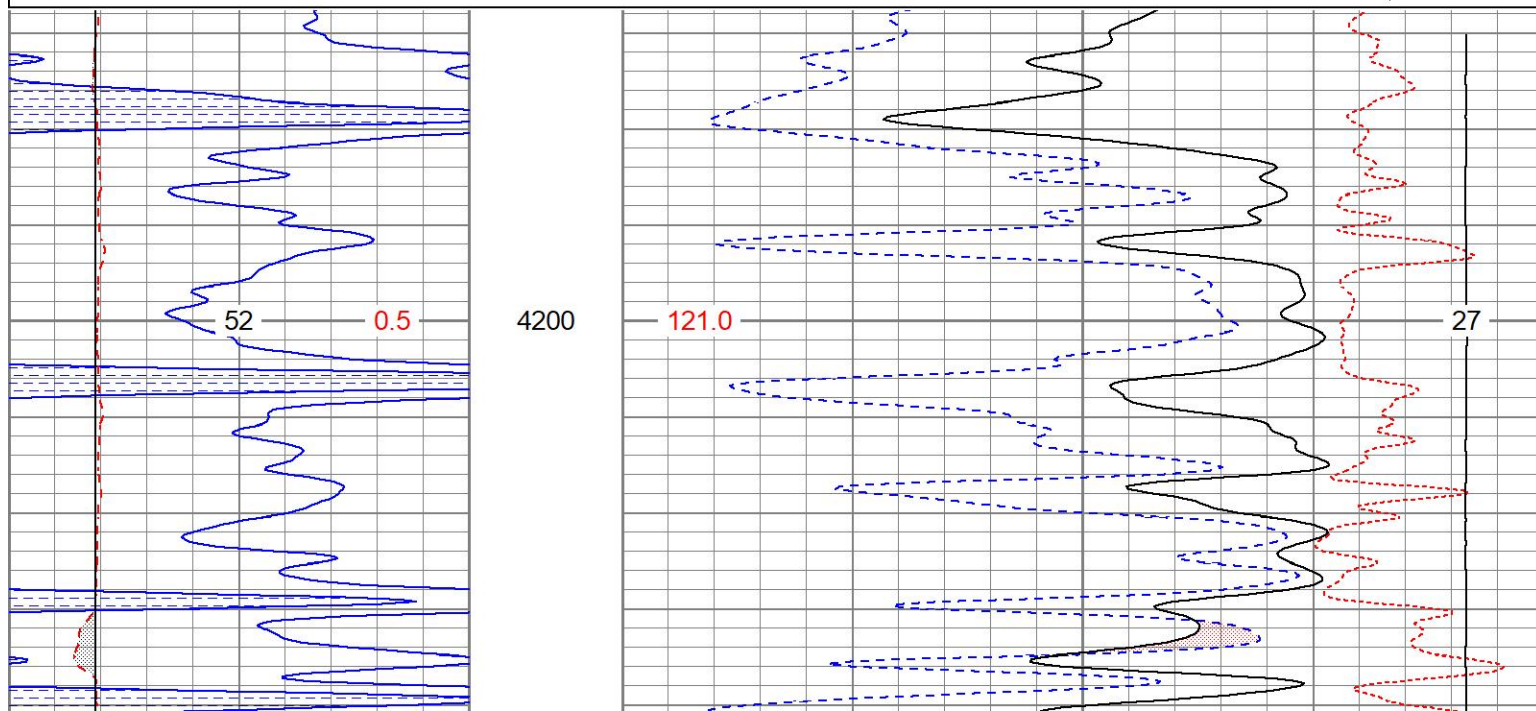
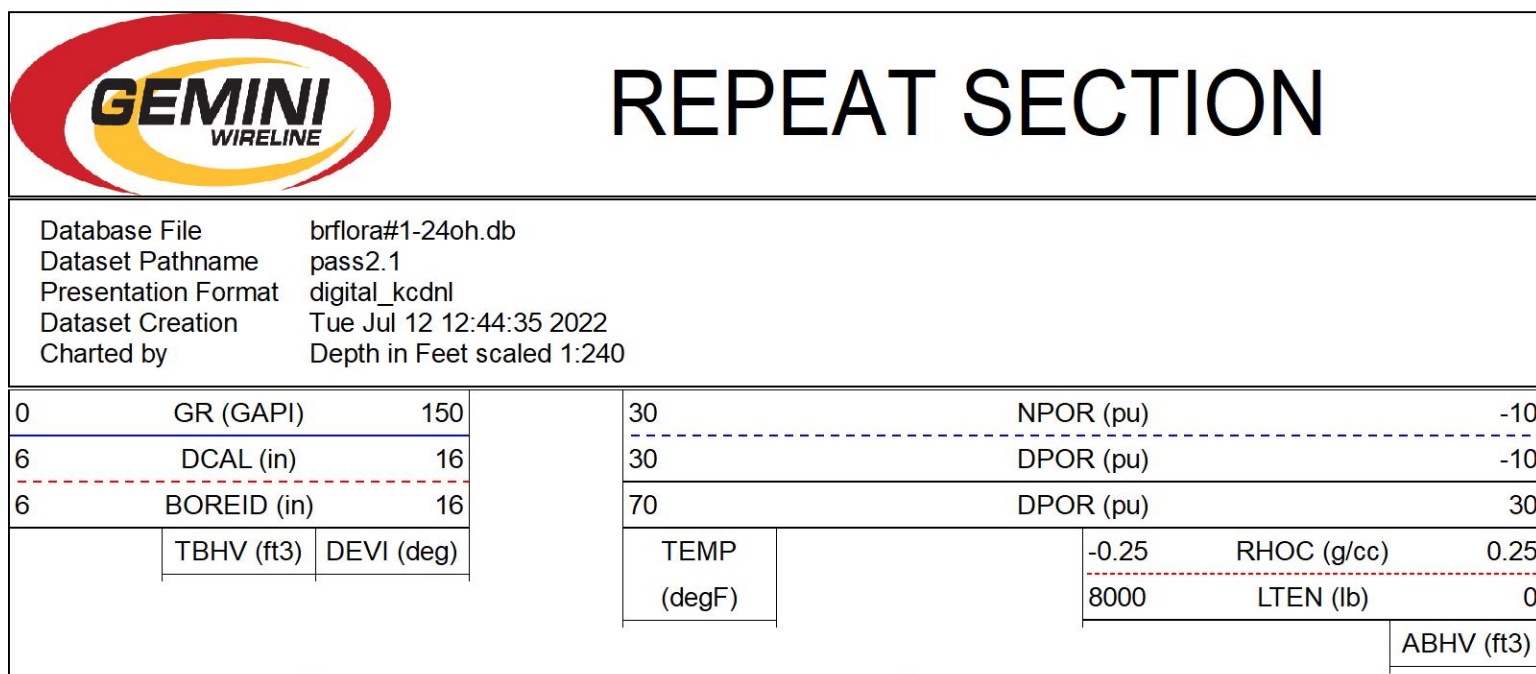
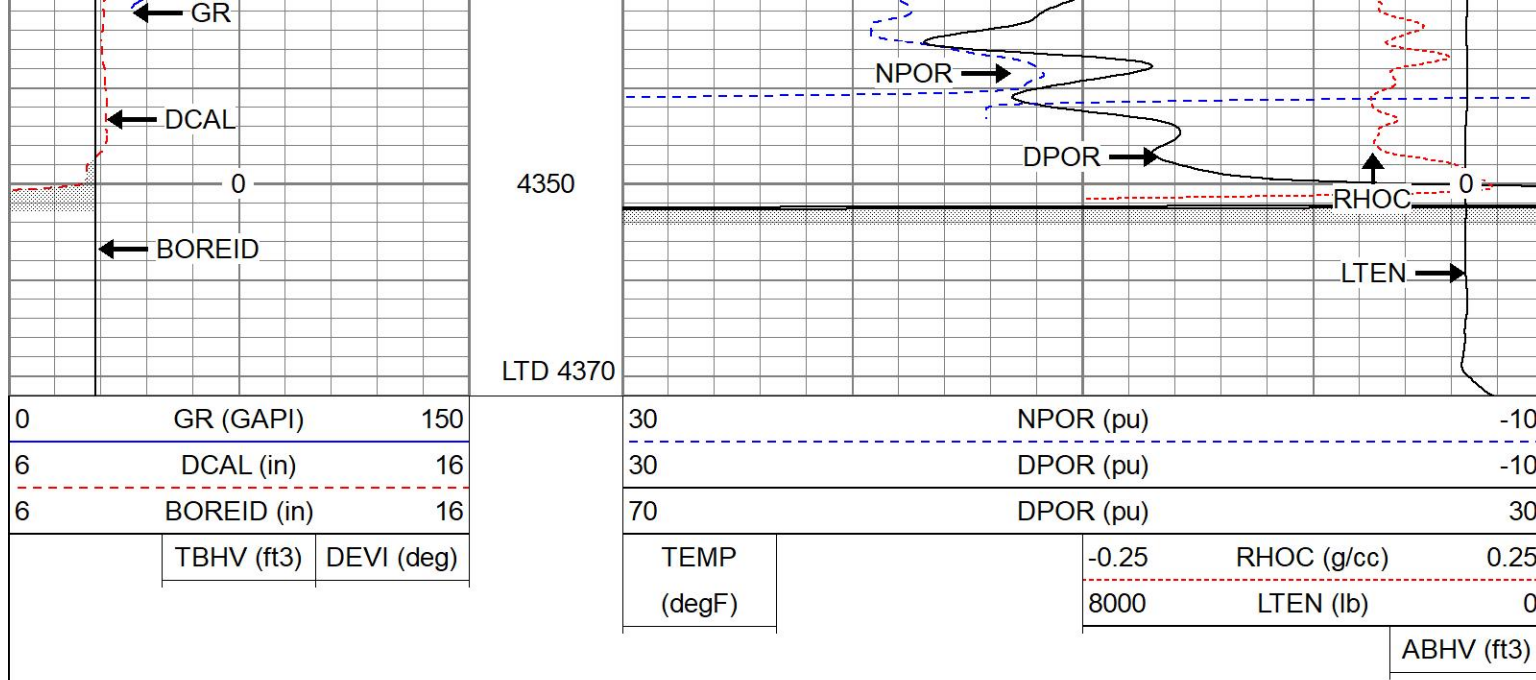
0GR (GAPI)150			30NPOR (pu)-10		
6DCAL (in)16			30DPOR (pu)-10		
6BOREID (in)16			70DPOR (pu)30		
TBHV (ft3)DEVI (deg)			TEMP (degF)-0.25RHOC (g/cc)0.25		
			8000LTEN (lb)0		
			ABHV (ft3)		

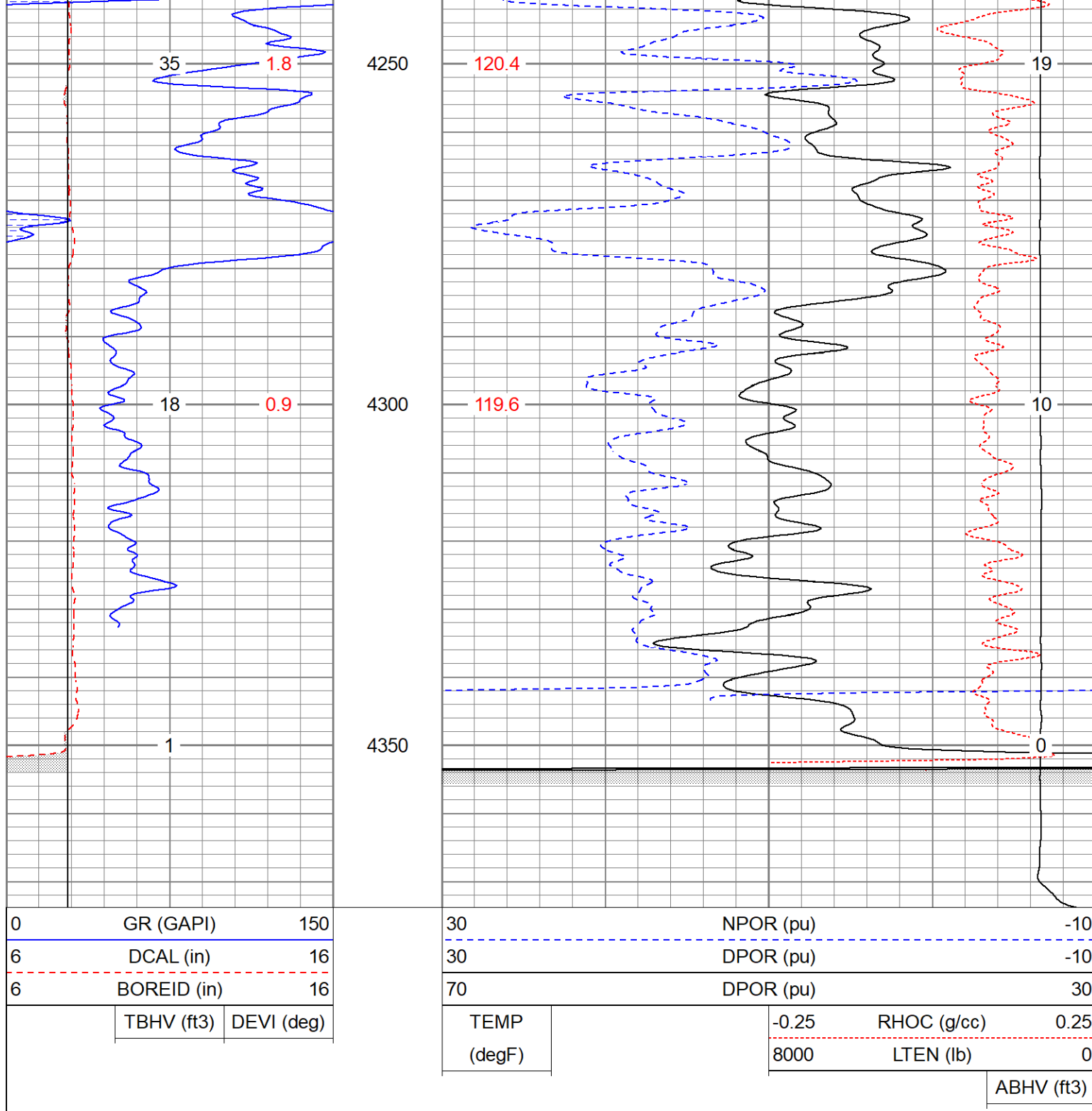












Calibration Report		
Database File	brflora#1-24oh.db	
Dataset Pathname	pass2.1	
Dataset Creation	Tue Jul 12 12:44:35 2022	
Dual Induction Calibration Report		
	Serial-Model:	1842-ADM
	Surface Cal Performed:	Mon Sep 20 22:00:42 2021
	Downhole Cal Performed:	Mon Sep 20 22:00:24 2021
	After Survey Verification Performed:	Mon Sep 20 22:05:52 2021
Surface Calibration		
	Readings	References
		Results

Loop:	Air	Loop		Air	Loop		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.475	-9.896
Medium	0.003	0.769	V	0.000	400.000	mmho/m	522.607	-1.745
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.240	-9.549
Medium	0.003	0.768	V	0.000	550.000	mmho/m	718.637	-2.088

Downhole Calibration								
	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.219	349.905	mmho/m	-0.343	349.810	mmho/m	1.000	-3.124
Medium	-0.118	399.722	mmho/m	-0.226	399.745	mmho/m	1.000	-3.108
Shallow	2.536	0.025	V	500.000	2.000	Ohm-m	180.330	-1.504

After Survey Verification								
	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.219	349.905	mmho/m	1.000	-3.124
Medium	0.000	0.000	mmho/m	-0.118	399.722	mmho/m	1.000	-3.108
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Neutron Calibration Report								
Serial Number:			AD5139					
Tool Model:			ADMY5139					
Performed:			(Not Performed)					
Calibrator Value:			1		NAPI			
Calibrator Reading:			1		cps			
Sensitivity:			1		NAPI/cps			

Temperature Calibration Report					
Serial Number:		WithMC			
Tool Model:		WMC			
Performed:		Fri Apr 19 12:15:04 2019			
		Reference		Reading	
Low Reference:		0.00	degF	0.00	degF
High Reference:		1.00	degF	1.00	degF
Gain:		1.00			
Offset:		0.00			
Delta Spacing		1			

Inclinometer Calibration Report								
Performed:			Wed May 5 19:20:48 2021					
			Low Read.	High Read.	Low Ref.	High Ref.		
X Accelerometer			205.00	1843.00	-1.00	1.00	gee	
Y Accelerometer			205.00	1843.00	-1.00	1.00	gee	

Z Accelerometer

gee

Gamma Ray Calibration Report

Serial Number:	WithMC	
Tool Model:	WMC	
Performed:	Wed Jun 15 11:53:49 2022	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.1000	GAPI/cps