



DENSITY NEUTRON LOG

Company	HG OIL HOLDINGS, LLC.			
Well	HPB #1-6			
Field	LONE BUTTE SOUTHWEST			
County	LOGAN	State	KS	
Location:	API #: 15 109 21657		Other Services DIL ML	
330' FNL & 1356' FEL				
Permanent Datum	SEC 6	TWP 15S	RGE 34W	Elevation K.B. 3003 D.F. 3001 G.L. 2998
Log Measured From	KB 5' AGL			
Drilling Measured From	KB			
Date	10/31/22			
Run Number	One			
Depth Driller	4630			
Depth Logger	4630			
Bottom Logged Interval	4610			
Top Log Interval	3450			
Casing Driller	8 5/8" @ 263			
Casing Logger	263			
Bit Size	7 7/8"			
Type Fluid in Hole	Chemical			
Density / Viscosity	9.5/63			
pH / Fluid Loss	8.5/10.6			
Source of Sample	Pit			
Rm @ Meas. Temp	1.3@70degf			
Rmf @ Meas. Temp	.98@70degf			
Rmc @ Meas. Temp	.77@70degf			
Source of Rmf / Rmc	Calculated			
Rm @ BHT	.39@118degf			
Time Circulation Stopped	4:30 P.M.			
Time Logger on Bottom	6:30 PM			
Maximum Recorded Temperature	118degf			
Equipment Number	T605			
Location	Hays, KS			
Recorded By	GUS PFANENSTIEL			
Witnessed By	MARC DOWNING			

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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 OUT OF RUSSELL SPRINGS TO NAVAJO ROAD EAST 1, SOUTH TO GOLD RD.
2 MILES EAST, SOUTH INTO.

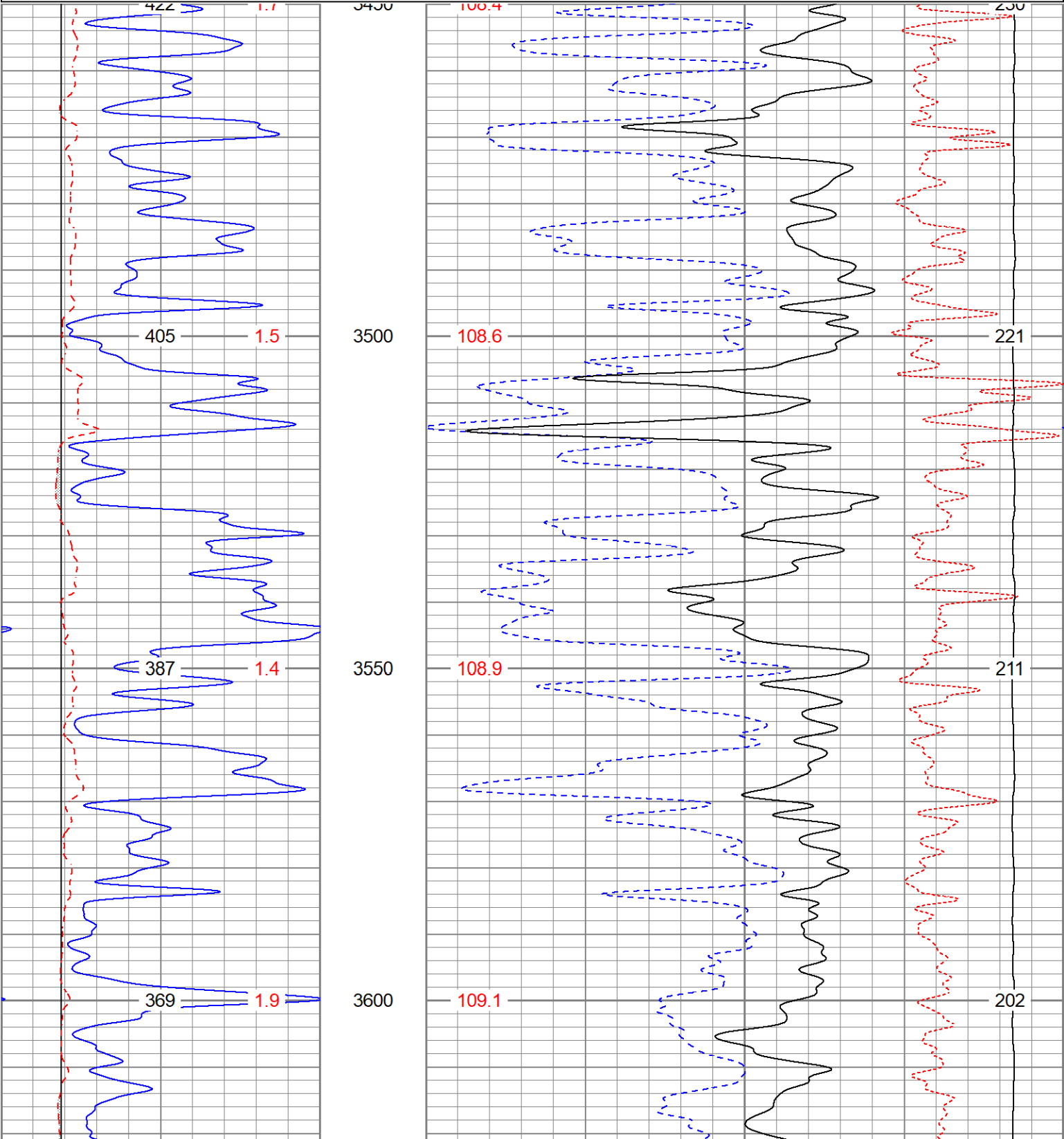
Thank You for using Gemini Wireline LLC
785-625-1182

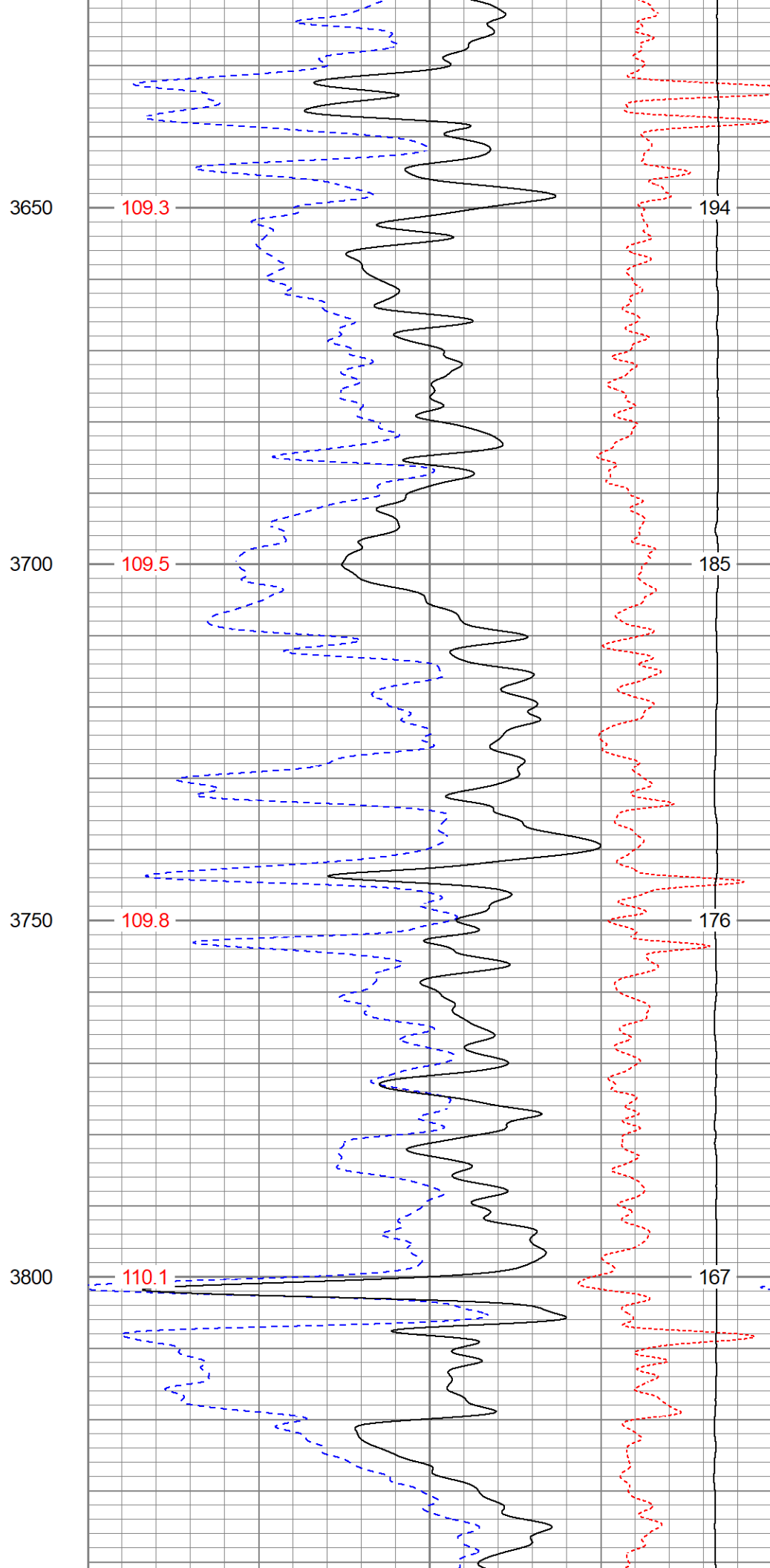
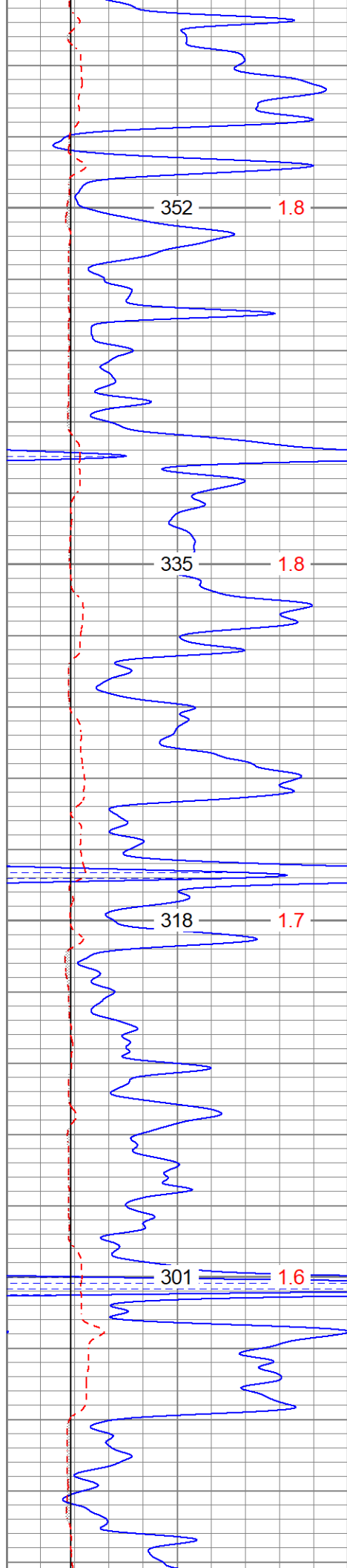


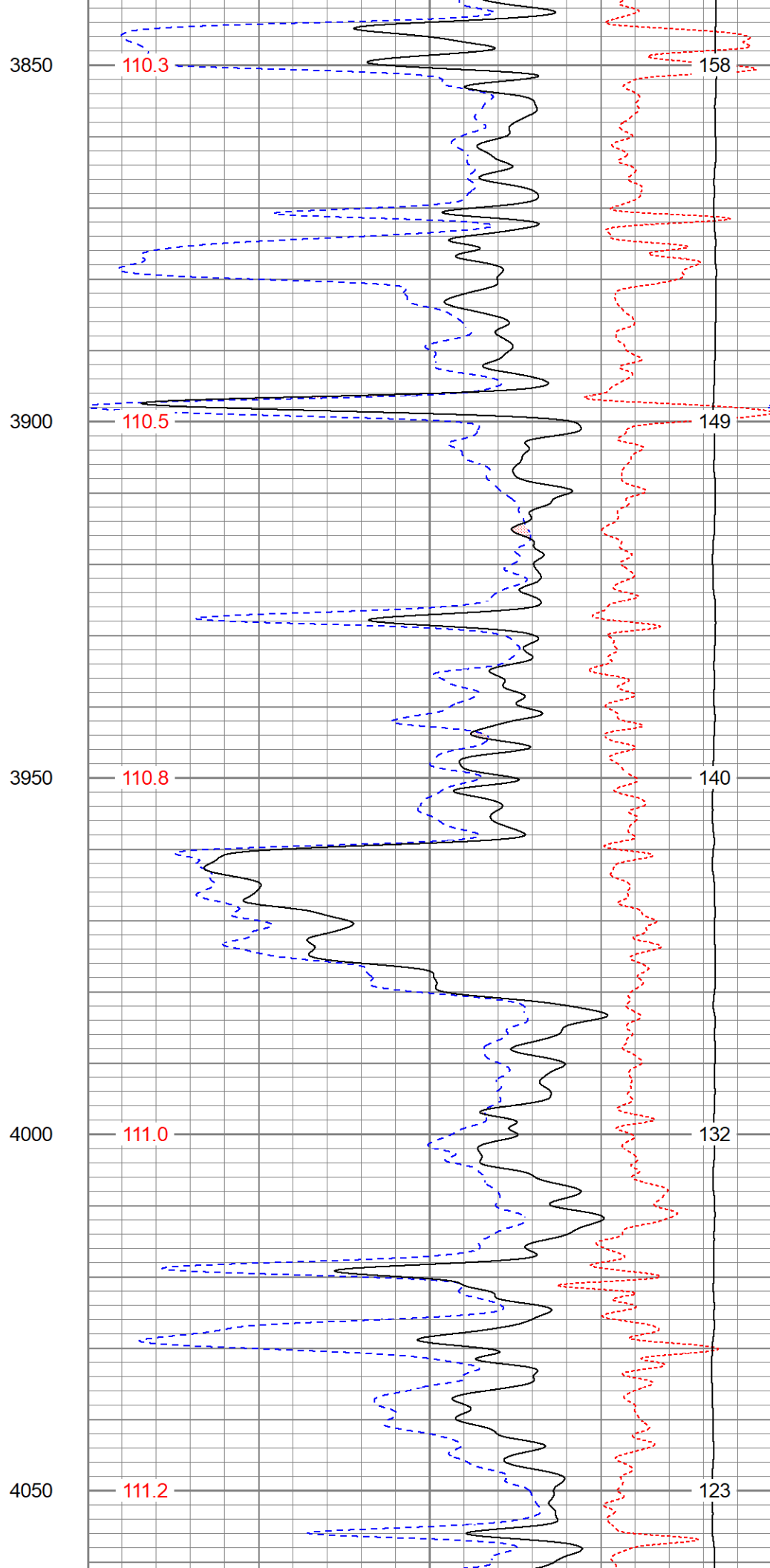
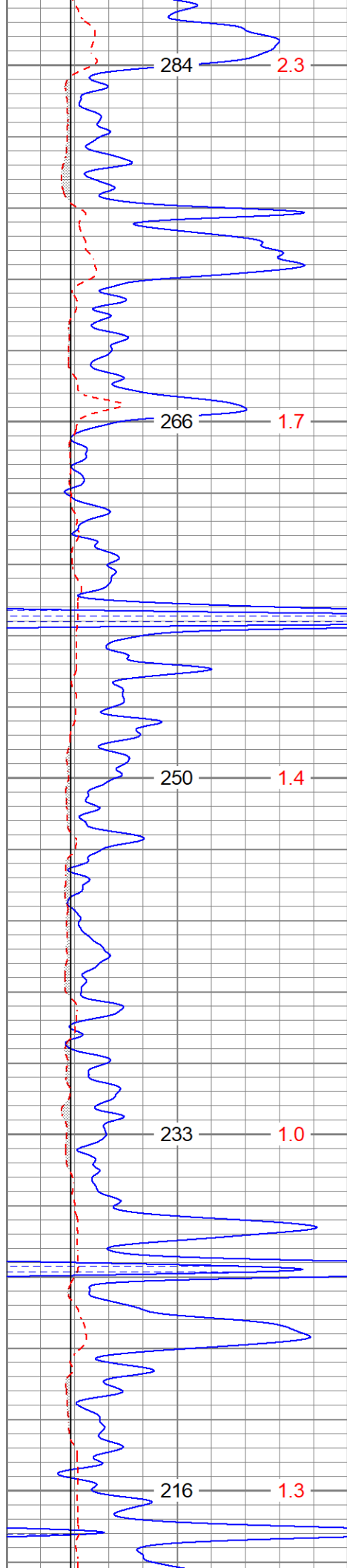
MAIN PASS

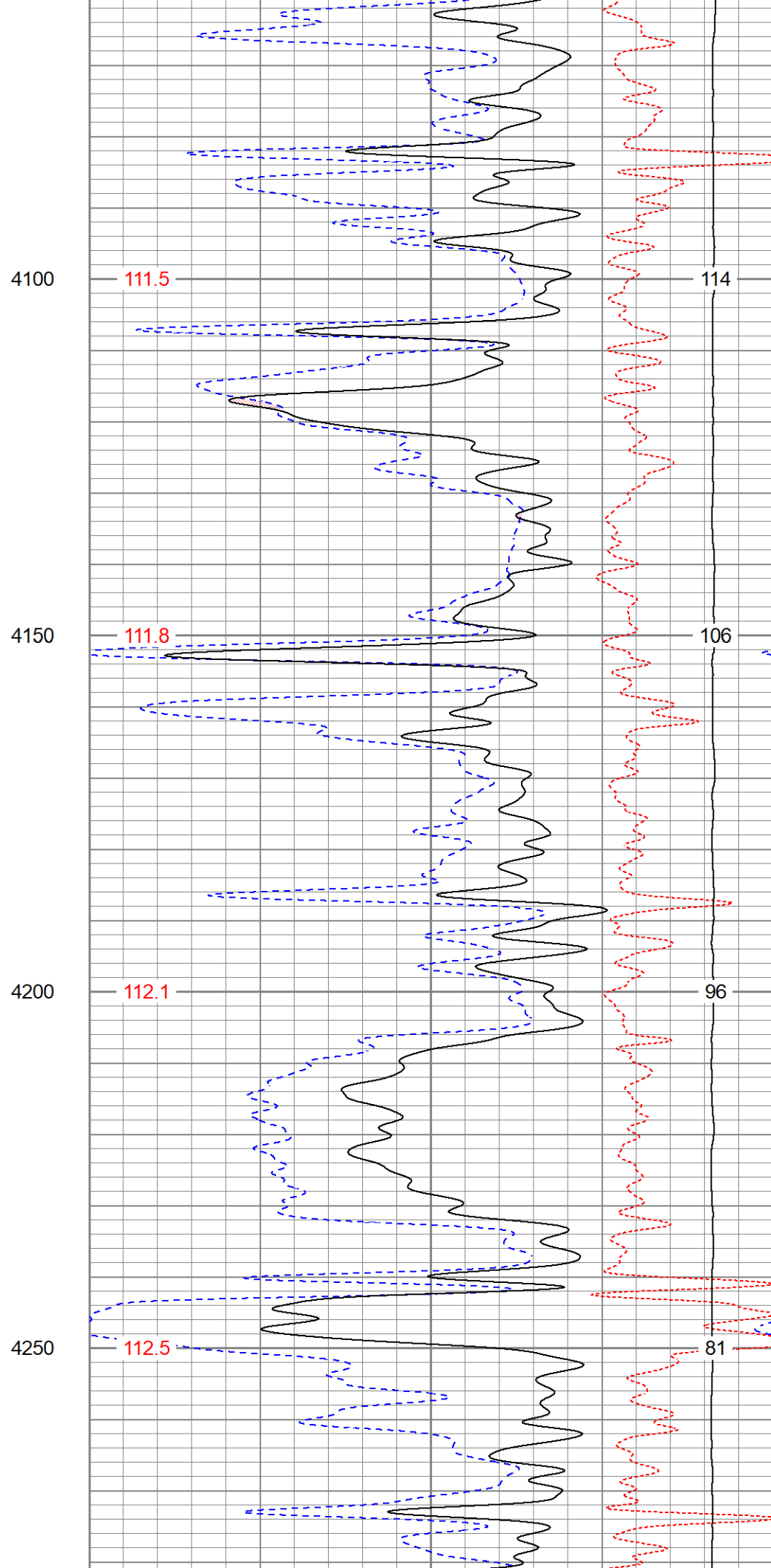
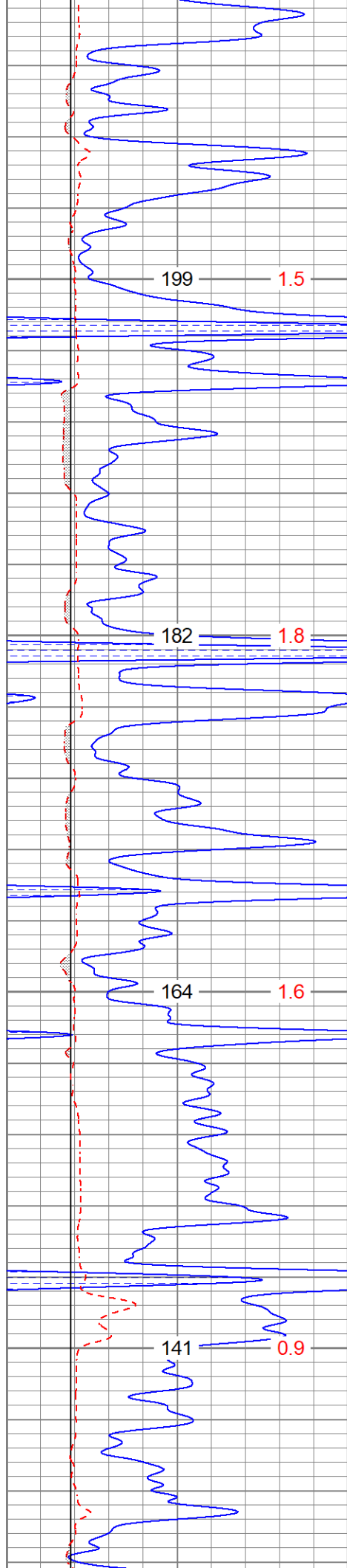
Database File	hghbp#1-6oh.db		
Dataset Pathname	pass3.1		
Presentation Format	digital_kcdnl		
Dataset Creation	Mon Oct 31 20:38:18 2022		
Charted by	Depth in Feet scaled 1:240		

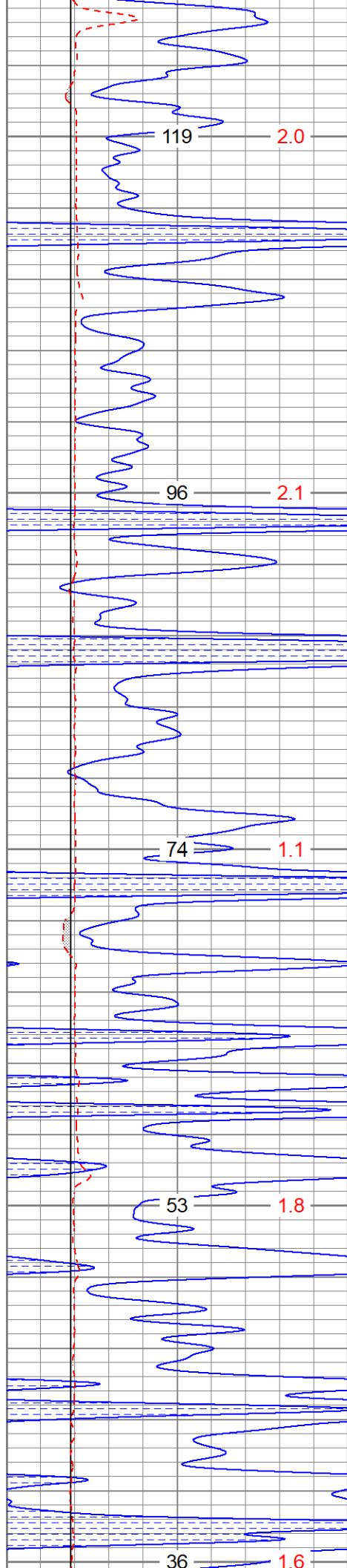
0	GR (GAPI)		150	30	NPOR (pu)		-10
6	BOREID (in)		16	30	DPOR (pu)		-10
6	MCAL (in)		16	70	DPOR (pu)		30
	TBHV (ft3)	DEVI (deg)		TEMP (degF)	-0.25	RHOC (g/cc)	0.25
					8000	LTEN (lb)	0
							ABHV (ft3)











4300

112.8

67

4350

113.0

53

4400

113.2

39

4450

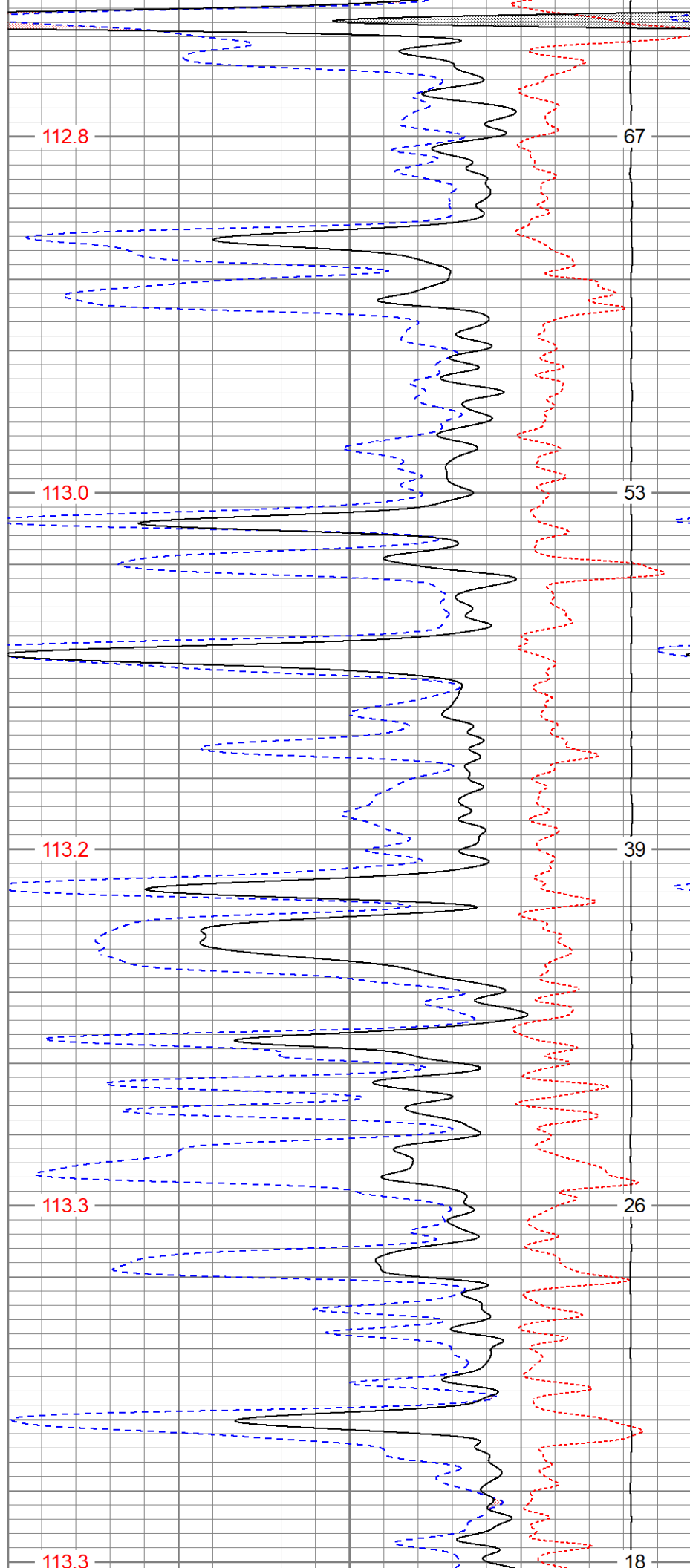
113.3

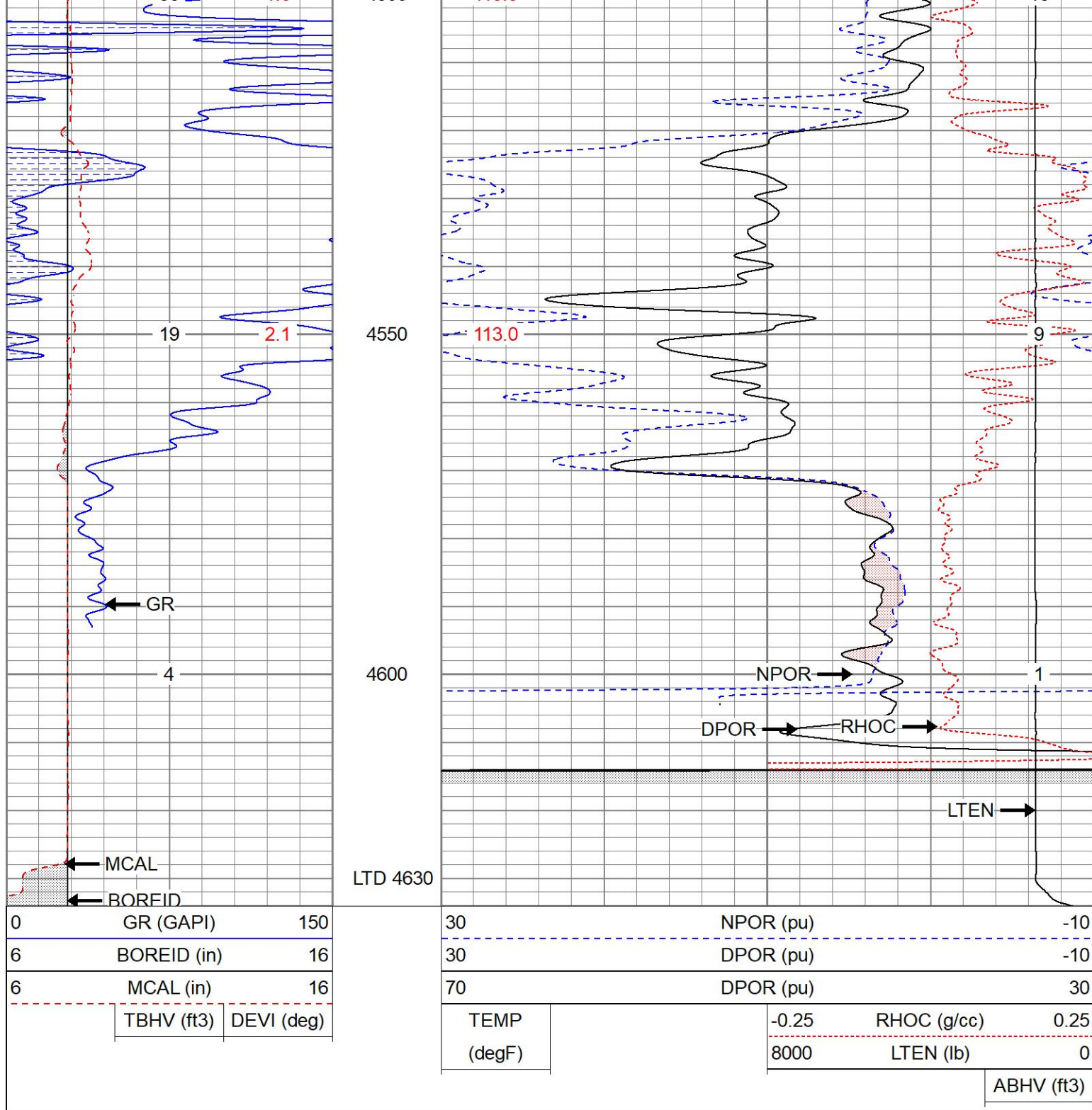
26

4500

113.3

18



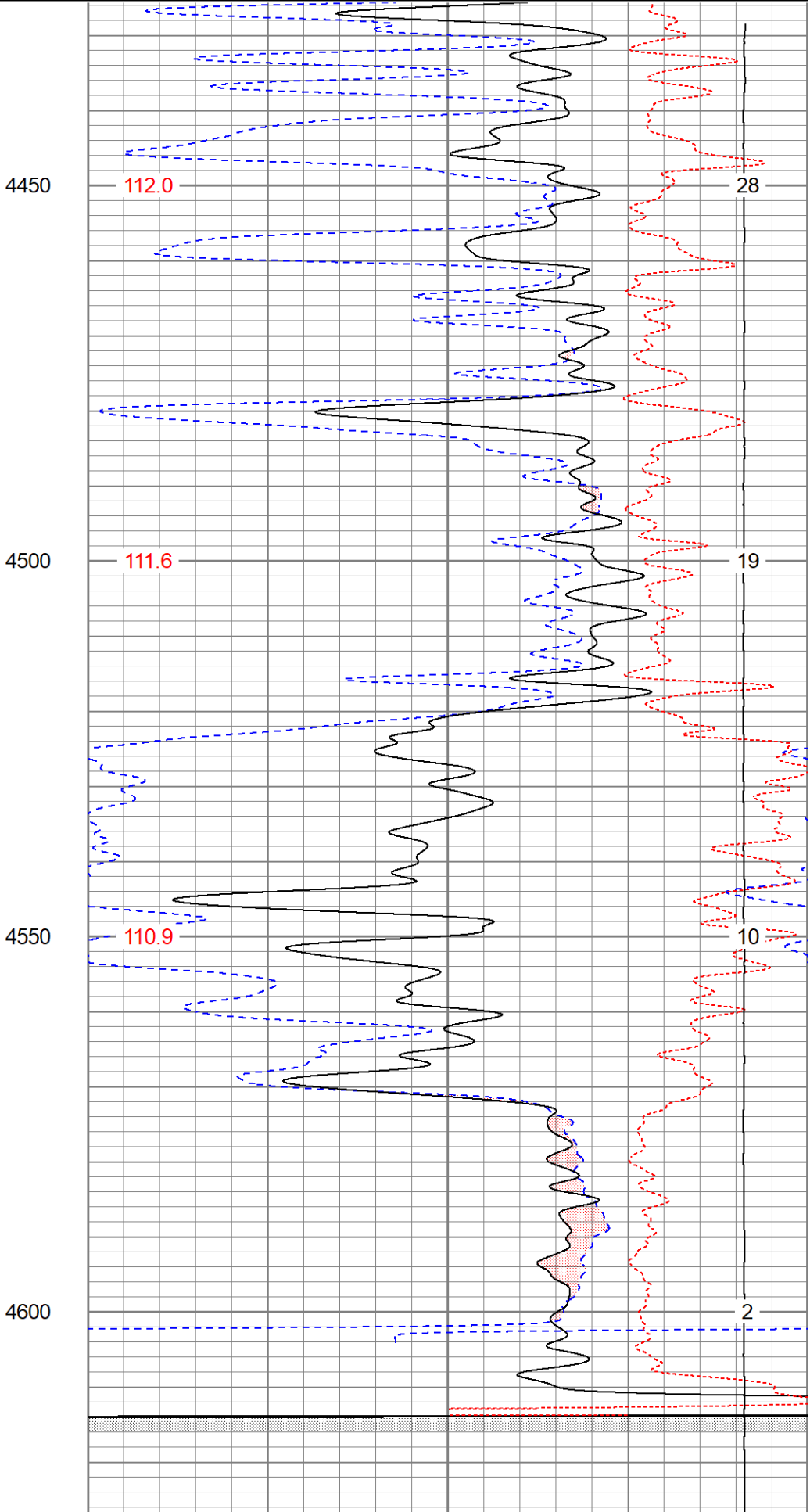
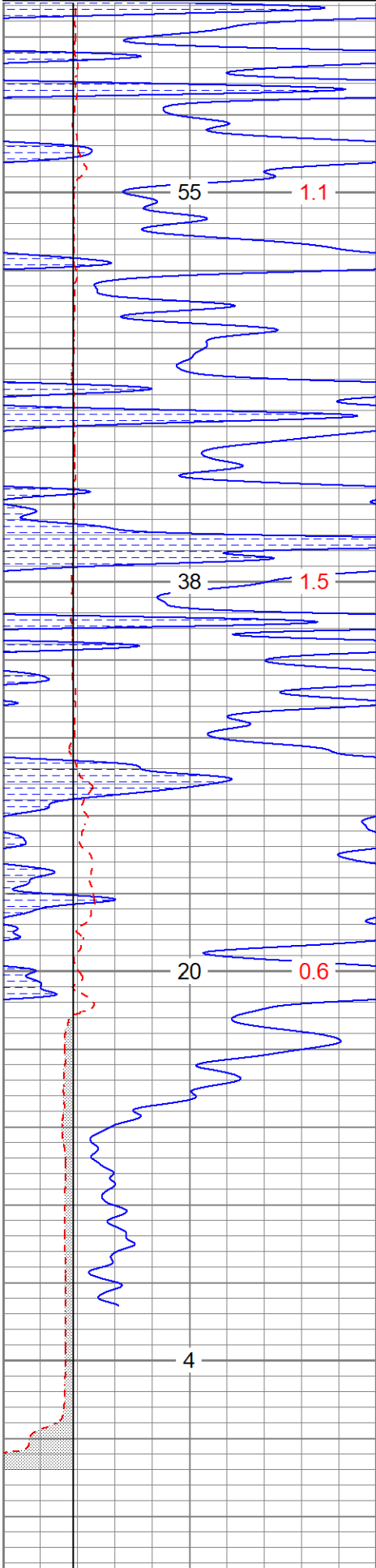


REPEAT SECTION

Database File hghbp#1-6oh.db
 Dataset Pathname pass2.1
 Presentation Format digital_kcdnl
 Dataset Creation Mon Oct 31 19:20:30 2022
 Charted by Depth in Feet scaled 1:240

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

BOREID (in)			16	DPOR (pu)			30	
	TBHV (ft3)	DEVI (deg)		TEMP		-0.25	RHOC (g/cc)	0.25
				(degF)		8000	LTEN (lb)	0
								ABHV (ft3)



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