



COMPENSATED DENSITY NEUTRON LOG

Company	Production Drilling, Inc.	Company	Production Drilling, Inc.
Well	Roxie #2	Well	Roxie #2
Field	Lake Barton	Field	Lake Barton
County	Barton	County	Barton
State	Kansas	State	Kansas
Location:	API # : 15 009 26372		Other Services DIL
1090' FSL & 2310' FEL			
Permanent Datum	SEC 32 TWP 18S RGE 13W	Ground Level	Elevation
Log Measured From	KB 8' AGL		1884'
Drilling Measured From	KB		
Date	11/06/2022		
Run Number	One		
Depth Driller	3500'		
Depth Logger	3500'		
Bottom Logged Interval	3478'		
Top Log Interval	790'		
Casing Driller	8 5/8" @ 803'		
Casing Logger	803'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical Mud		
Density / Viscosity	9.0/60		
pH / Fluid Loss	10.0/8.8		
Source of Sample	Pit		
Rm @ Meas. Temp	2.1@72degf		
Rmf @ Meas. Temp	1.68@72degf		
Rmc @ Meas. Temp	2.68@72degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.35@101degf		
Time Circulation Stopped	1:30 a.m.		
Time Logger on Bottom	2:30 a.m.		
Maximum Recorded Temperature	101degf		
Equipment Number	T605		
Location	Hays, KS		
Recorded By	C. Patterson		
Witnessed By	Mr. Austin Klaus		

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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

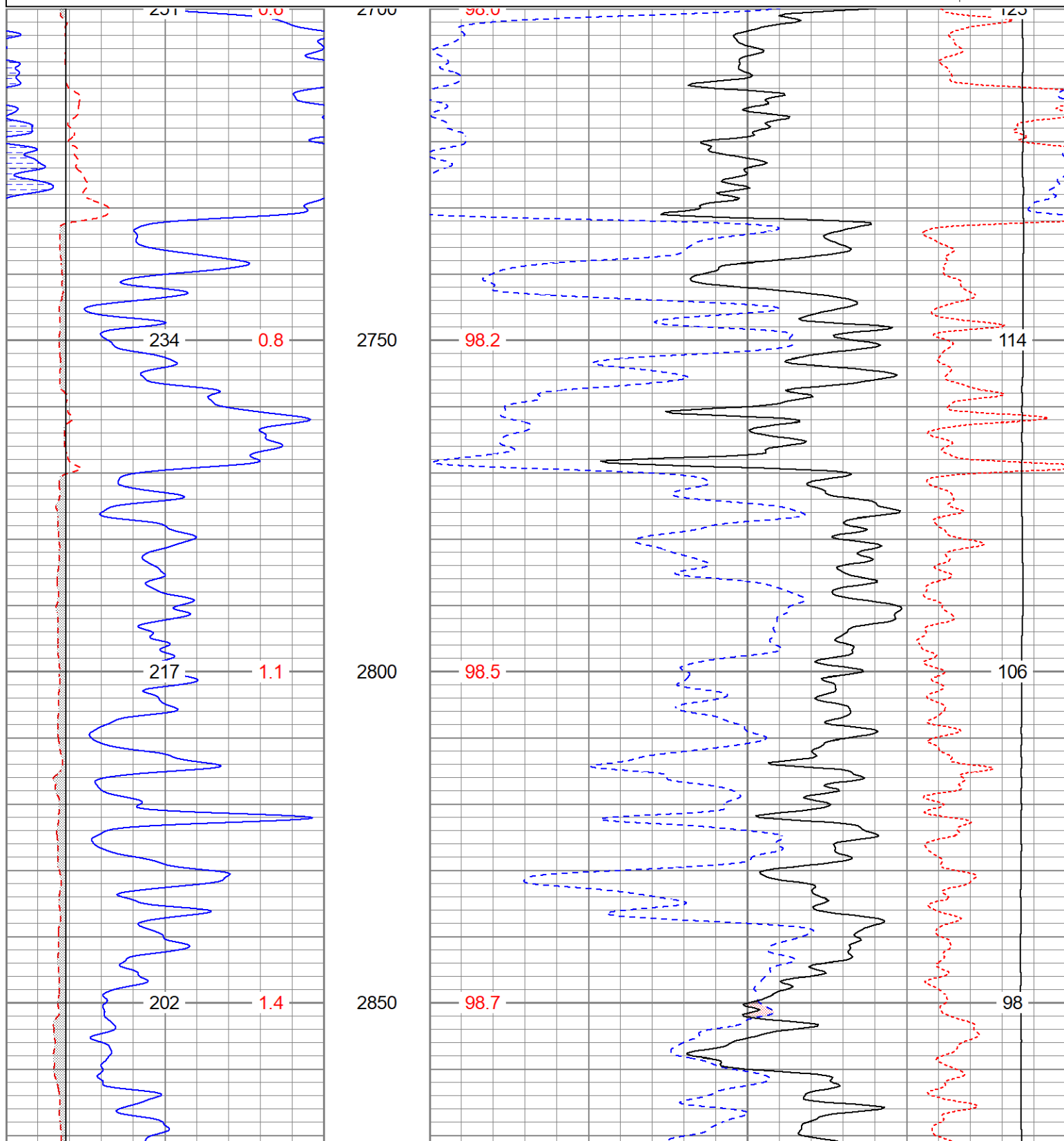
Thanks for using Gemini Wireline LLC
785-625-1182

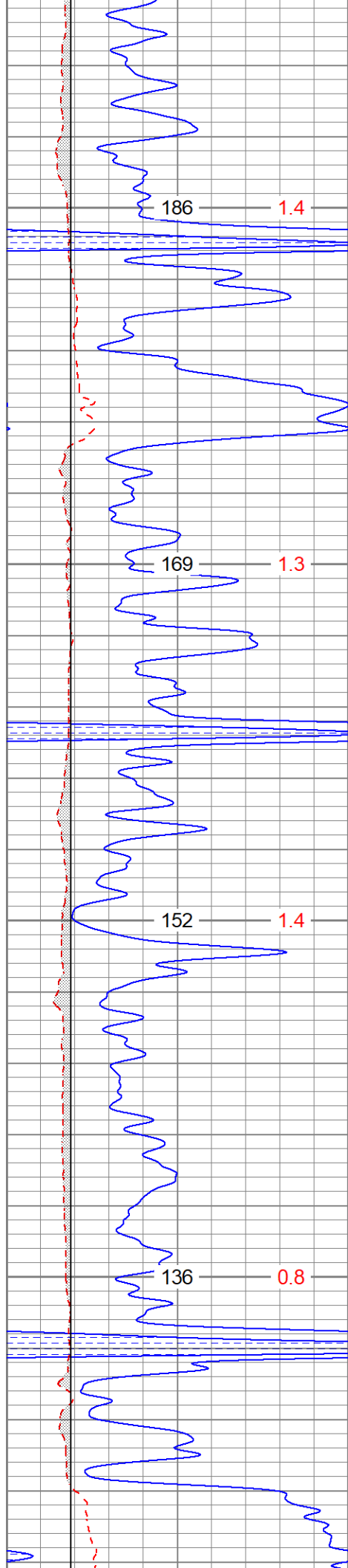


MAIN PASS

```
pdroxie#2oh.db
pass2.1
digital_kcdnl
Sun Nov 06 03:30:32 2022
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
	TBHV (ft3)	DEVI (deg)		TEMP (degF)	-0.25	RHOC (g/cc)	0.25
					8000	LTEN (lb)	0
							ABHV (ft3)





2900

98.9

91

2950

99.1

82

3000

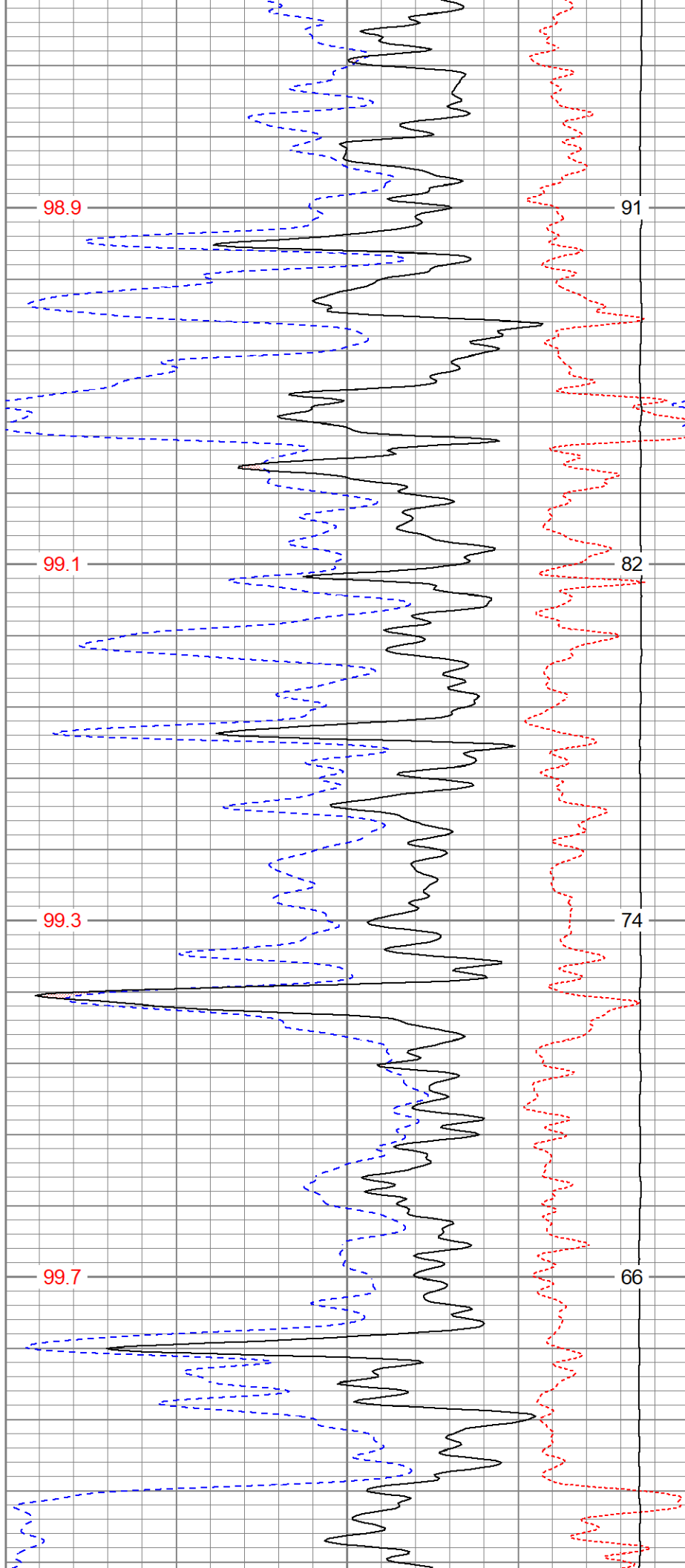
99.3

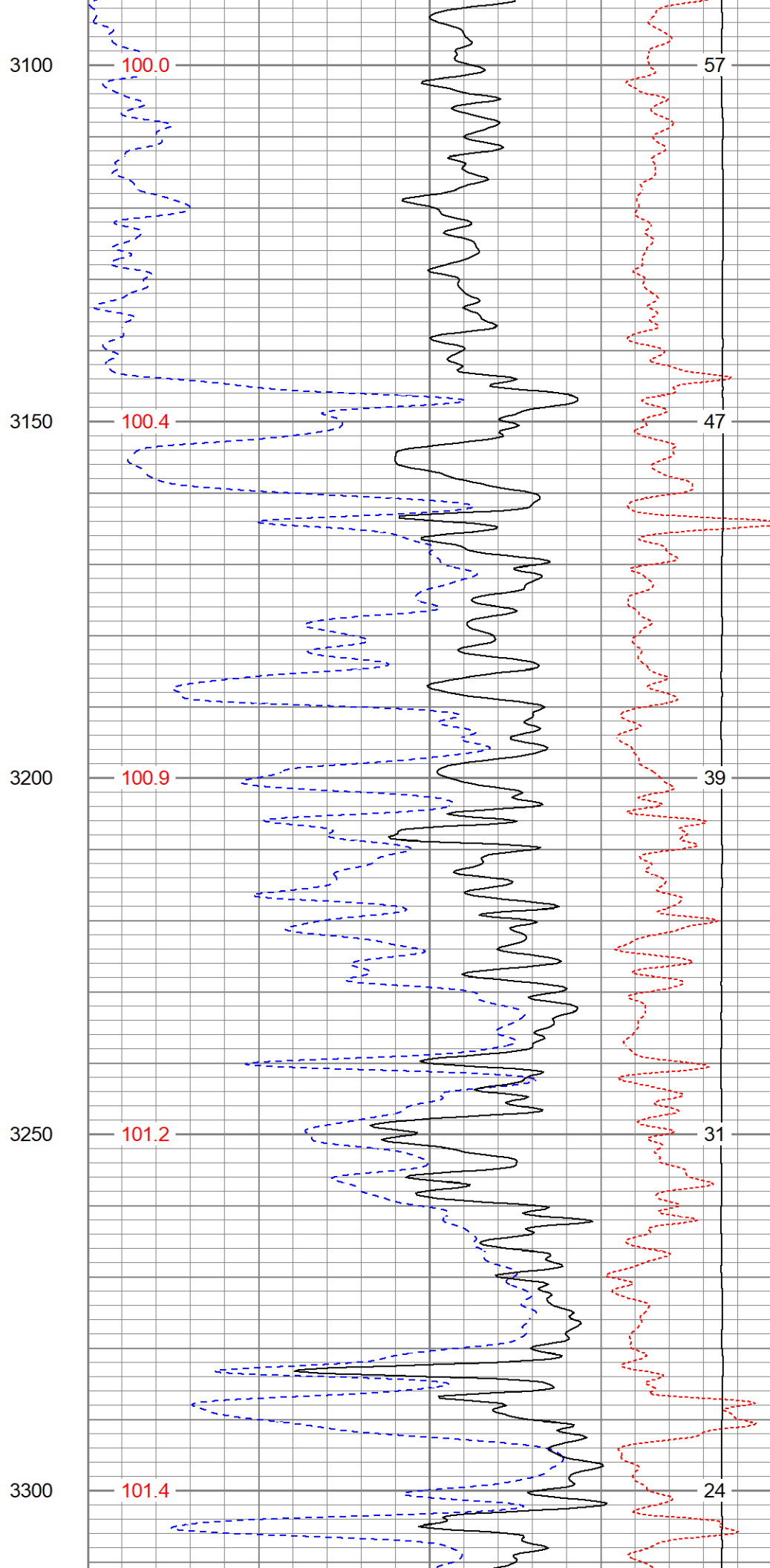
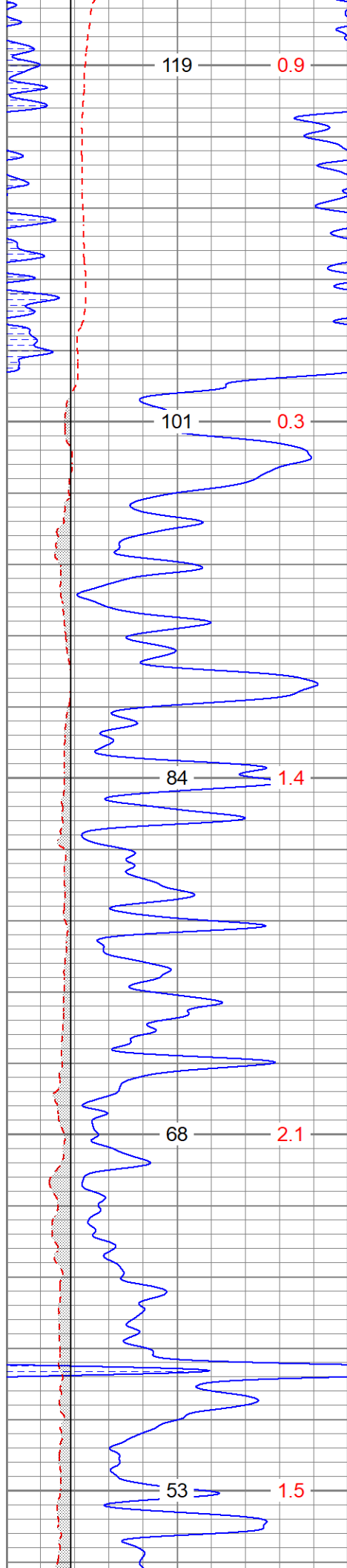
74

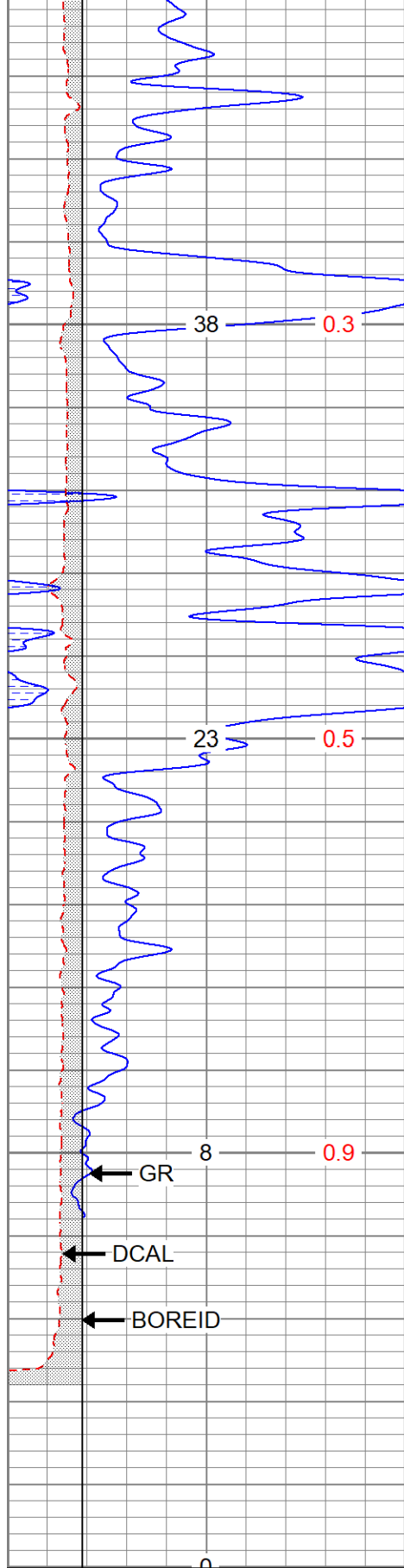
3050

99.7

66

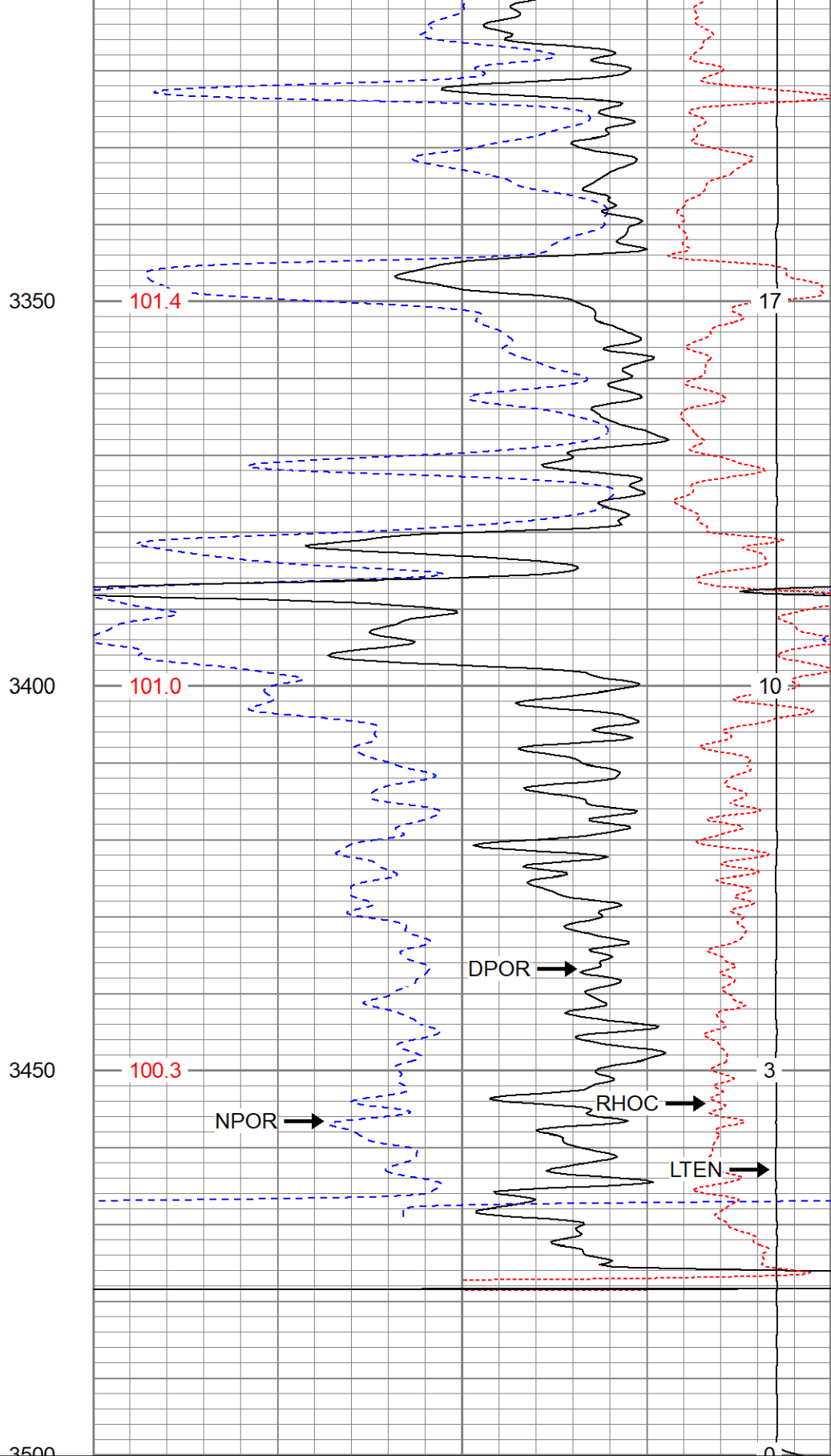






0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16

TBHV (ft3)	DEVI (deg)
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30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30

TEMP (degF)	-0.25	RHOC (g/cc)	0.25
	8000	LTEN (lb)	0

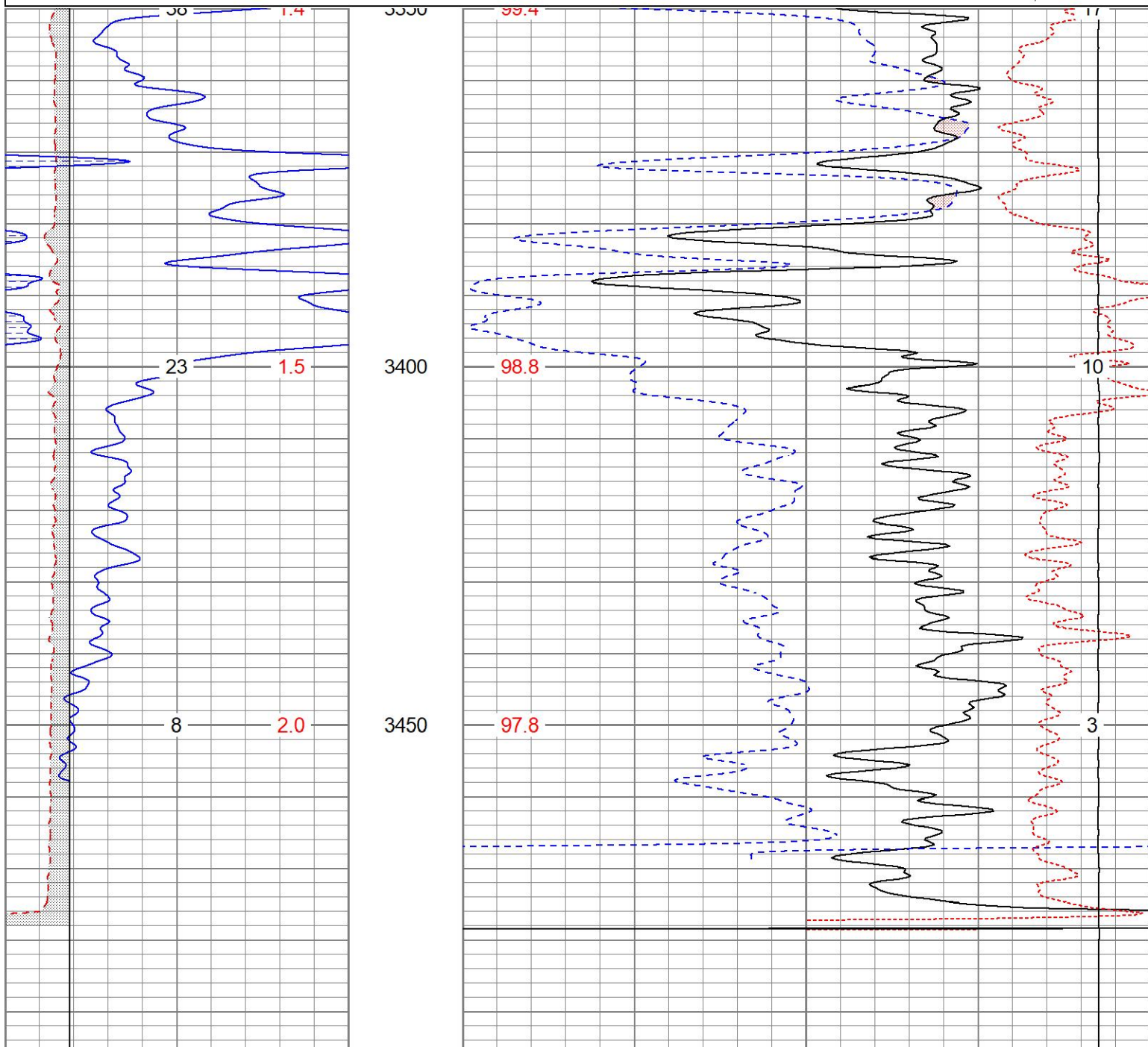
ABHV (ft3)



REPEAT SECTION

Database File pdroxie#2oh.db
Dataset Pathname pass1.1
Presentation Format digital_kcdnl
Dataset Creation Sun Nov 06 02:59:11 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
	TBHV (ft3)	DEVI (deg)	TEMP (degF)	-0.25	RHOC (g/cc) 0.25
				8000	LTEN (lb) 0
					ABHV (ft3)



Master Calibration			
Density	Far Detector	Near Detector	

Magnesium	1.670	g/cc	6362.49	3546.71	cps
Aluminium	2.640	g/cc	1733.54	2362.69	cps
Aluminium+Sleeve	2.617	g/cc	1657.01	2197.69	cps
Spine Angle = 72.65			Density/Spine Ratio = 0.712		
	PE		NLITH	NHARD	
Magnesium	1.900	barn	5031.16	2670.10	cps
Aluminium	2.400	barn	925.14	1260.20	cps
Aluminium+Sleeve	5.000	barn	816.33	1216.63	cps
M = 0.191			B = 0.171	R = 0.787	
	Size		Reading		
Small Ring	8.00	in	8.61	V	
Large Ring	14.30	in	12.40	V	

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				

