



COMPENSATED DENSITY NEUTRON LOG

Company Triple Crown Operating, LLC.

Well Cox #1-35

Field Unnamed

County Ness State Kansas

Location: API #: 15 135 26041

451' FSL & 1718' FWL
NE-SW-SE-SW

SEC 35 TWP 20S RGE 22W

Permanent Datum Ground Level Elevation 2164'
Log Measured From KB 7' AGL
Drilling Measured From KB

Other Services
DIL
ML
Elevation
K.B. 2171'
D.F. 2170'
G.L. 2164'

Date 12-23-18

Run Number One

Depth Driller 4334'

Depth Logger 4334'

Bottom Logged Interval 4312'

Top Log Interval 3500'

Casing Driller 8 5/8" @ 1372'

Casing Logger 1372'

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 9.3/5.4

pH / Fluid Loss 9.0/9.2

Source of Sample Pit

Rm @ Meas. Temp 1.5@62degf Chlorides 5000 PPM

Rmf @ Meas. Temp 1.13@62degf

Rmc @ Meas. Temp 1.8@62degf

Source of Rmf / Rmc Calculated

Rm @ BHT 0.78@120degf

Time Circulation Stopped 1:30 a.m.

Time Logger on Bottom 6:17 a.m.

Maximum Recorded Temperature 120degf

Equipment Number T127

Location Hays, KS

Recorded By C. Patterson

Witnessed By Mr. Sean Deenihan

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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

West side of Bazine, KS DD Rd.(Austin St.)South on DD Rd. 11mi. to 20 Rd.,
West on 20 Rd 1 mi. to CC Rd., Then south on CC Rd. for 2 mi. to Y Rd.
then west on Y Rd 1/2 mi. North into Location

Thanks for using Gemini Wireline LLC
785-625-1182

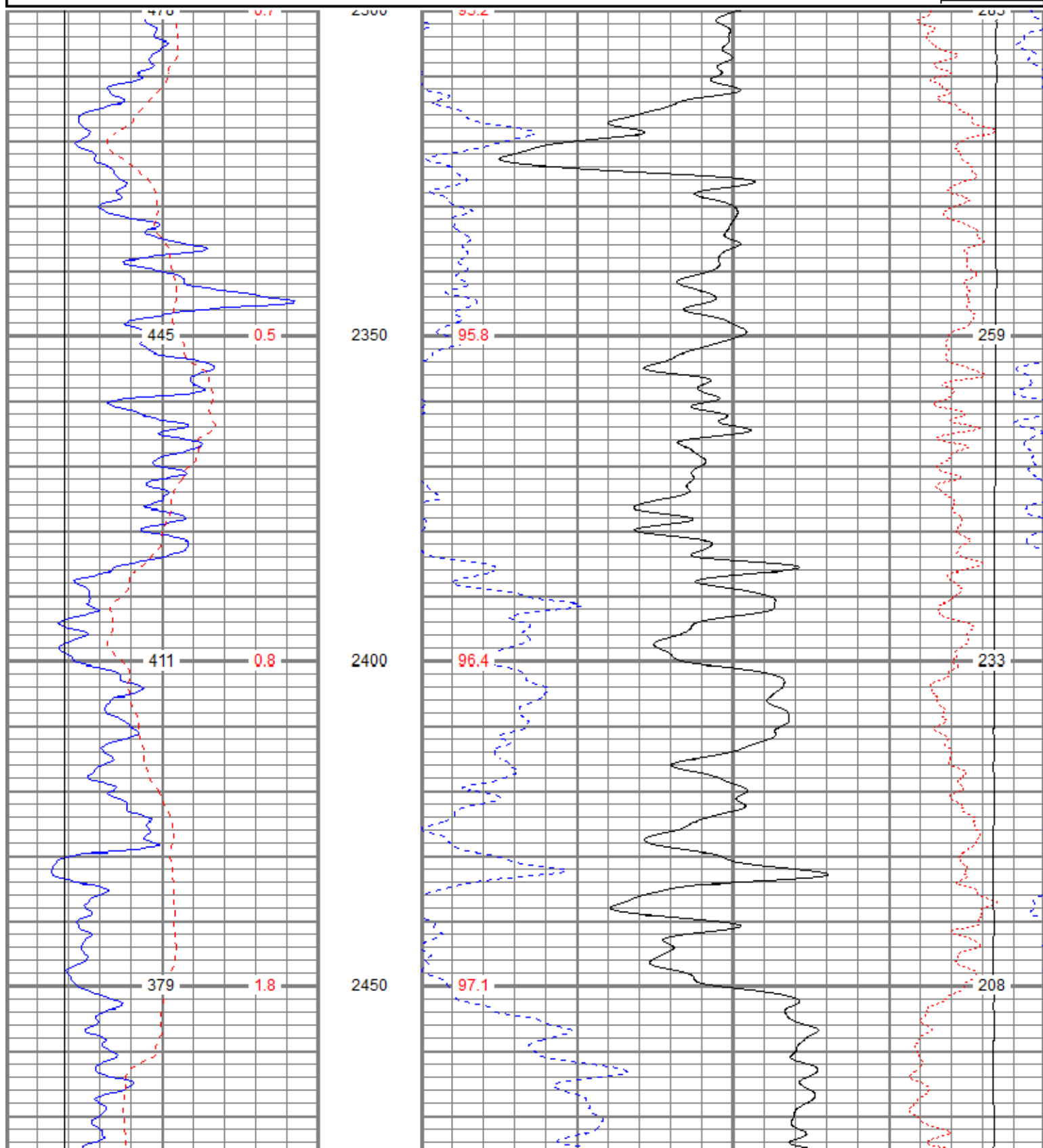


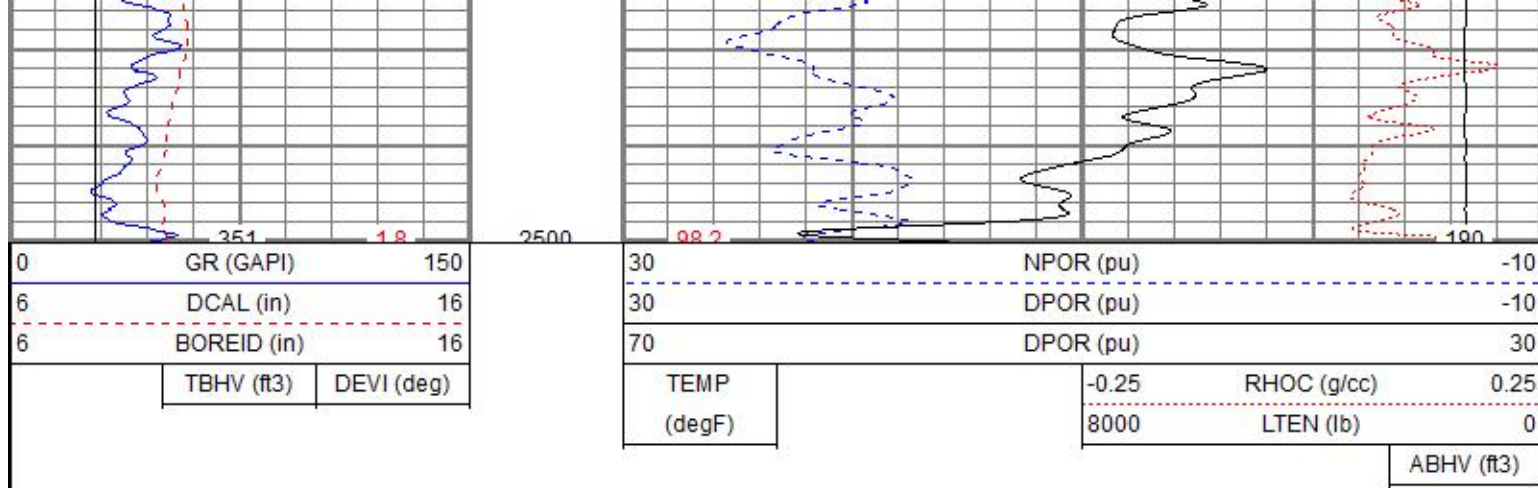
MAIN PASS

Database File tccox#1-35oh.db
 Dataset Pathname pass2.1
 Presentation Format digital_kcdnl
 Dataset Creation Sun Dec 23 08:06:30 2018
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

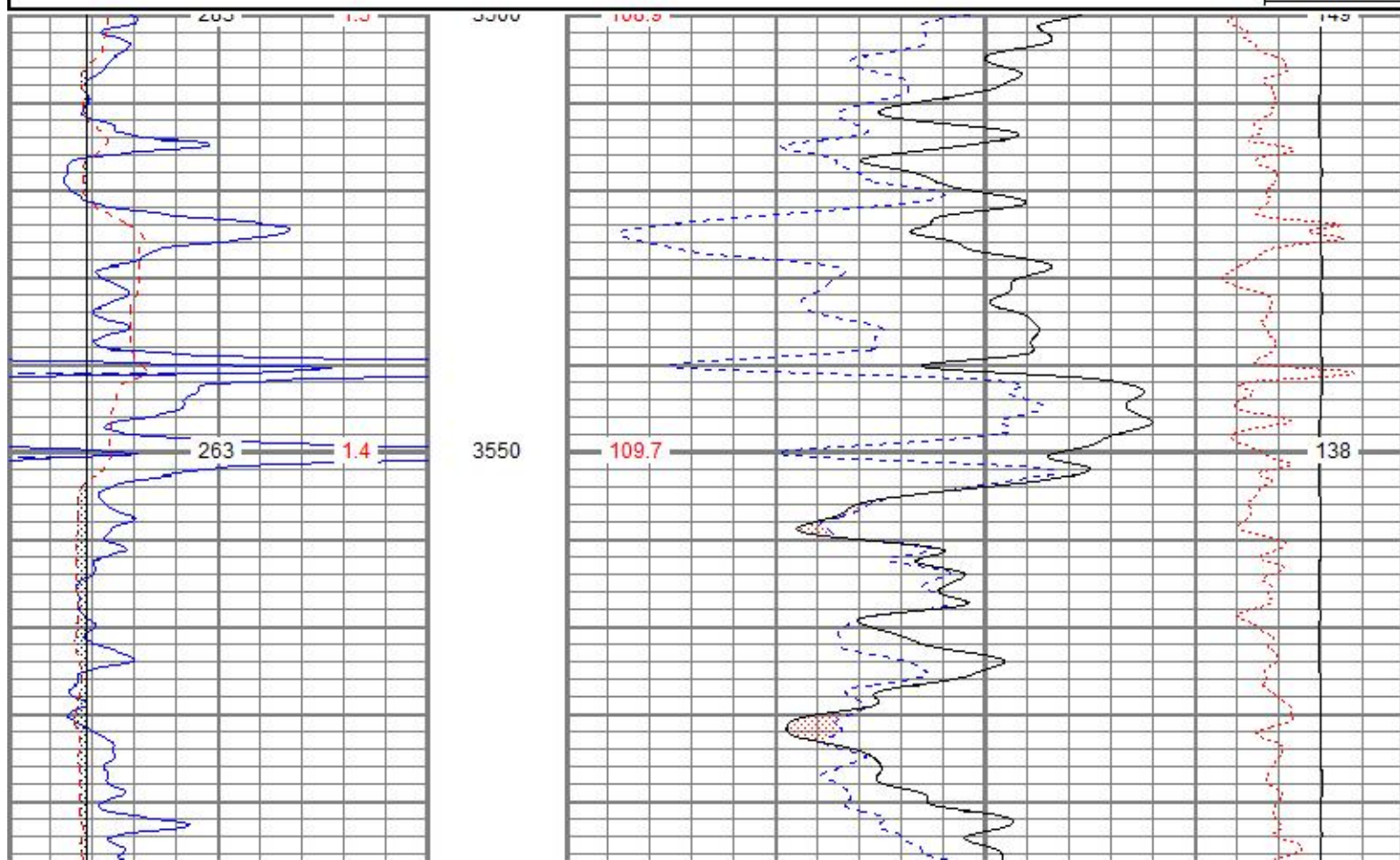
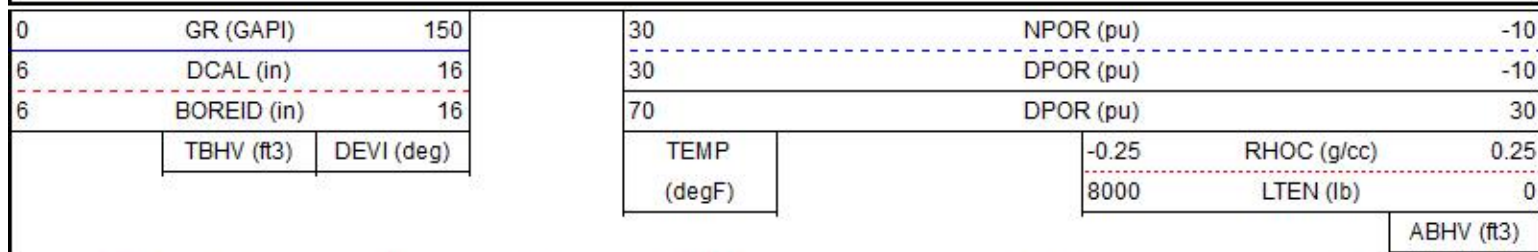
30	NPOR (pu)	-10	
30	DPOR (pu)	-10	
70	DPOR (pu)	30	
TEMP	-0.25	RHOC (g/cc)	0.25
(degF)	8000	LTEN (lb)	0
			ABHV (ft3)

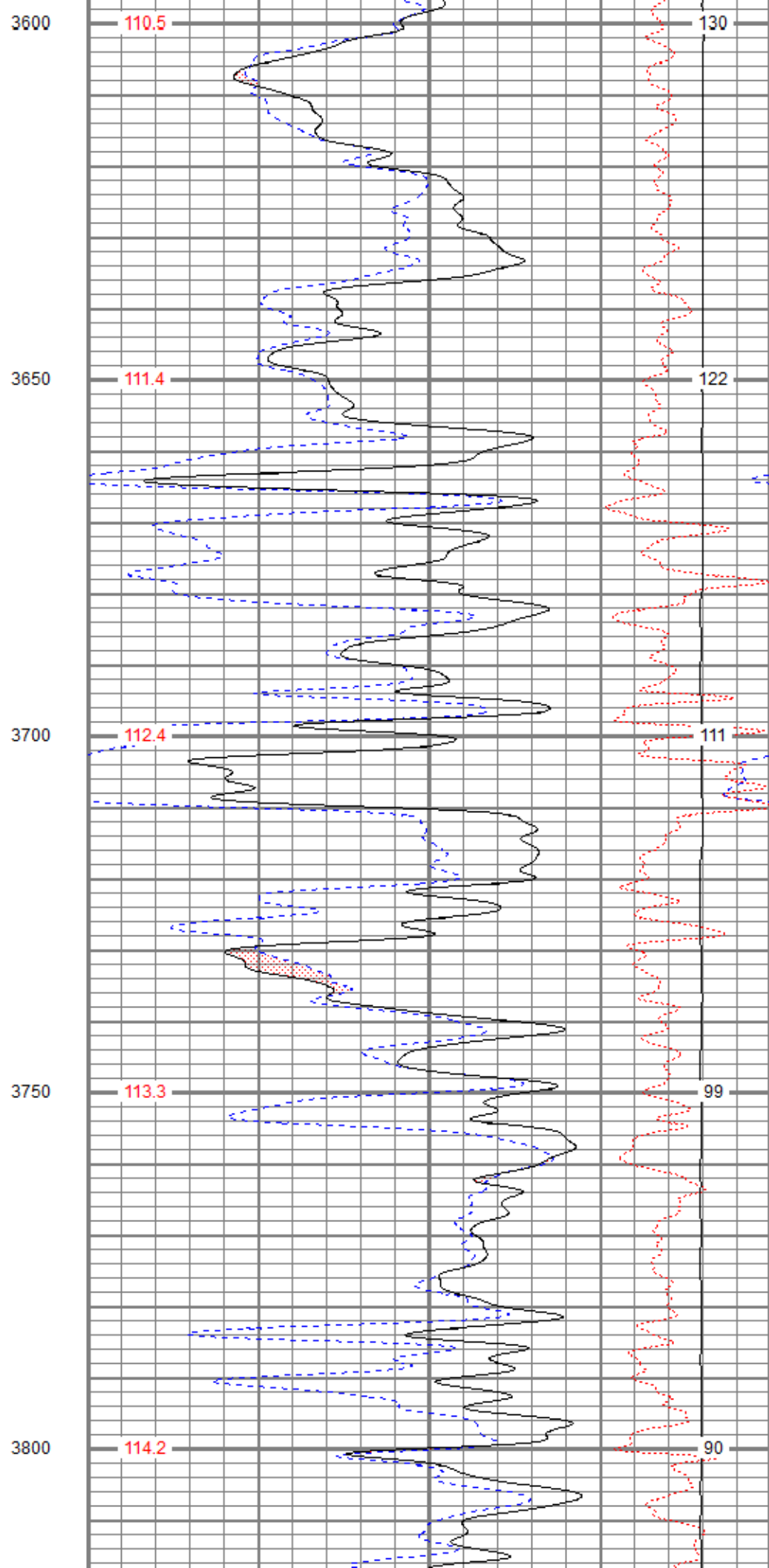
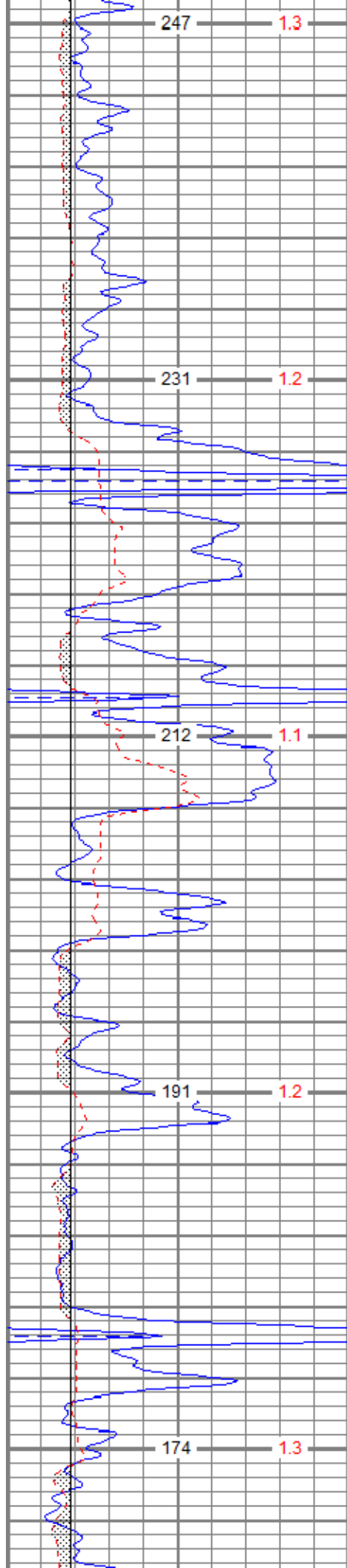


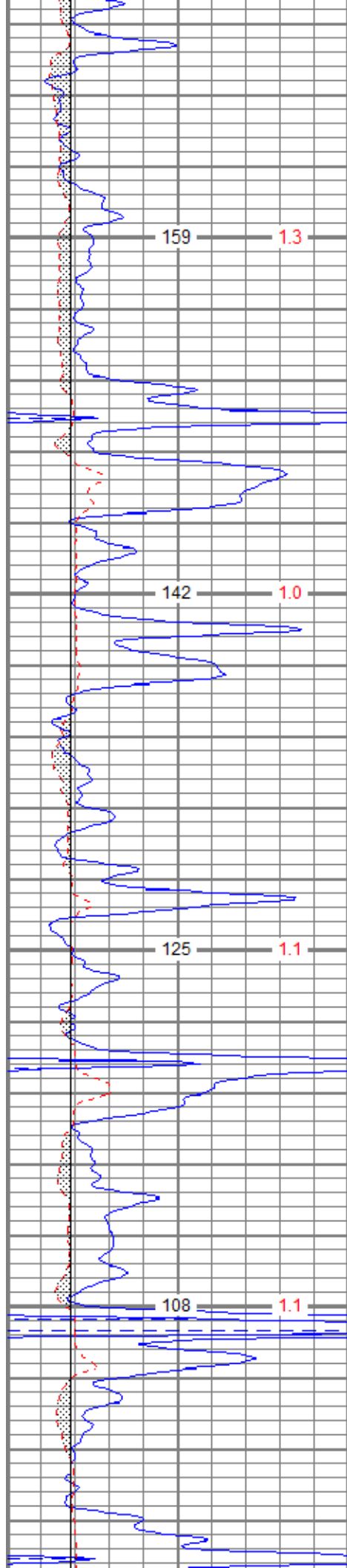


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3850

115.1

83

3900

116.1

74

3950

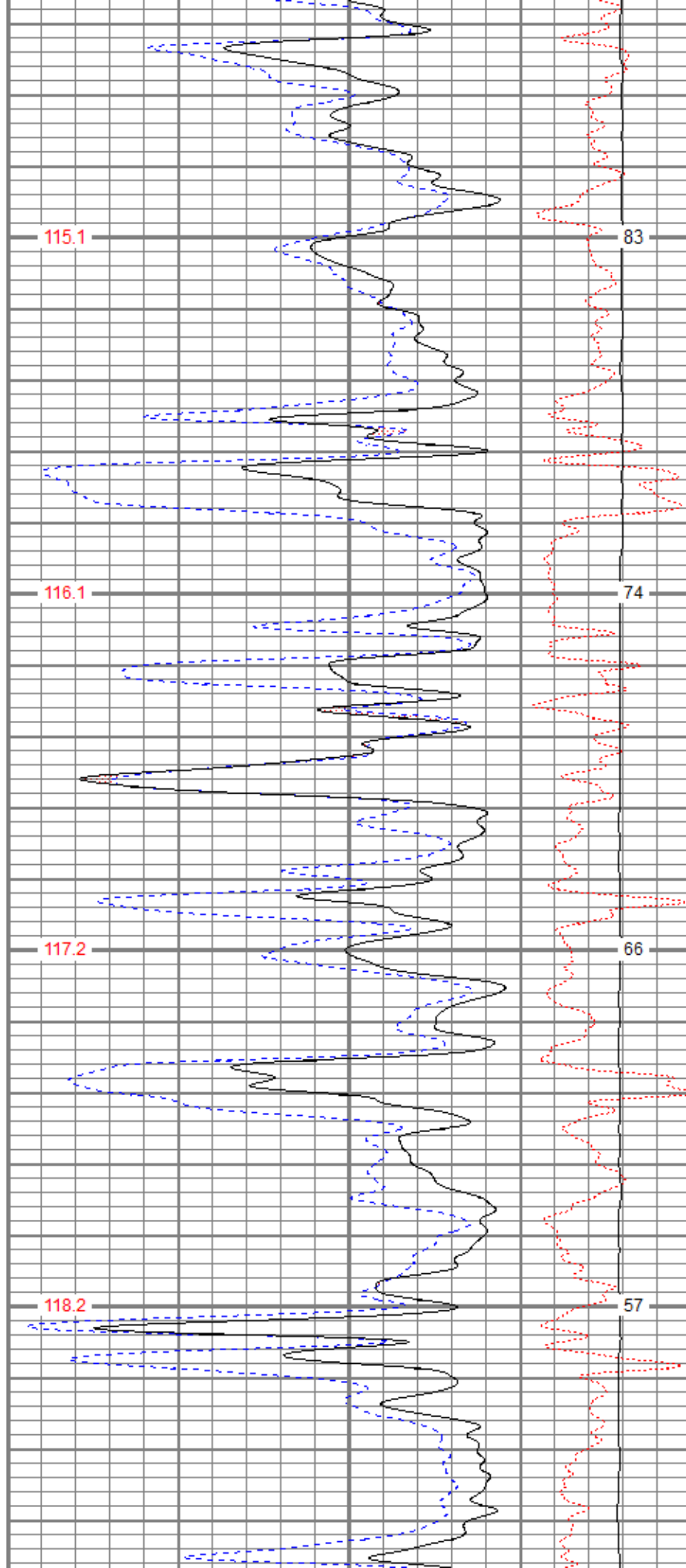
117.2

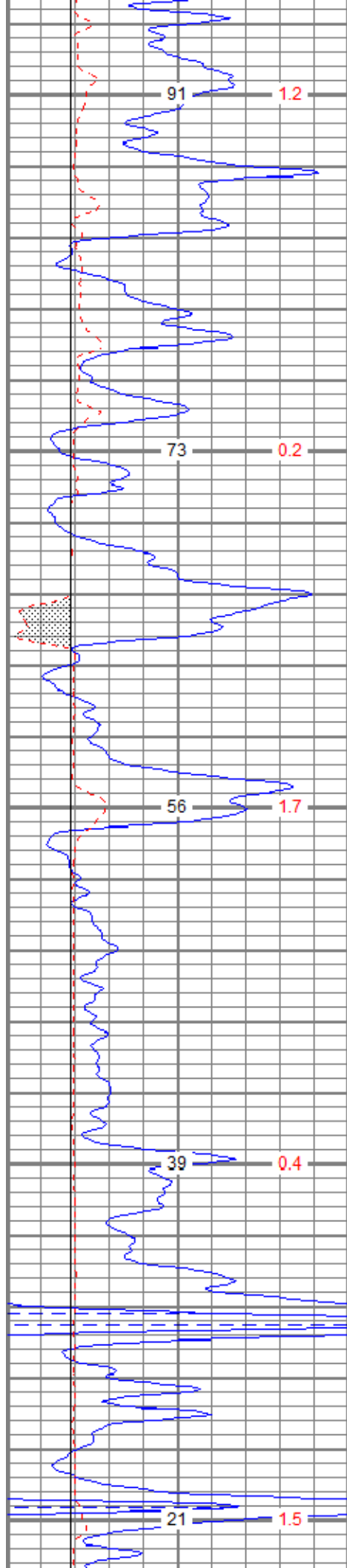
66

4000

118.2

57





4050

119.0

48

4100

119.5

38

4150

119.9

30

4200

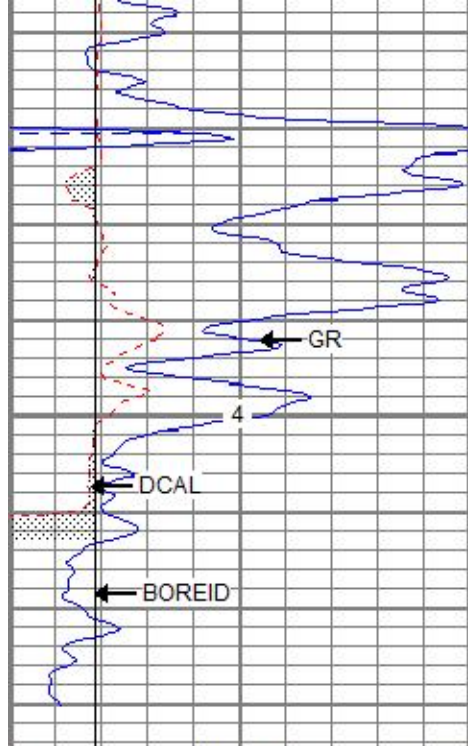
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20

4250

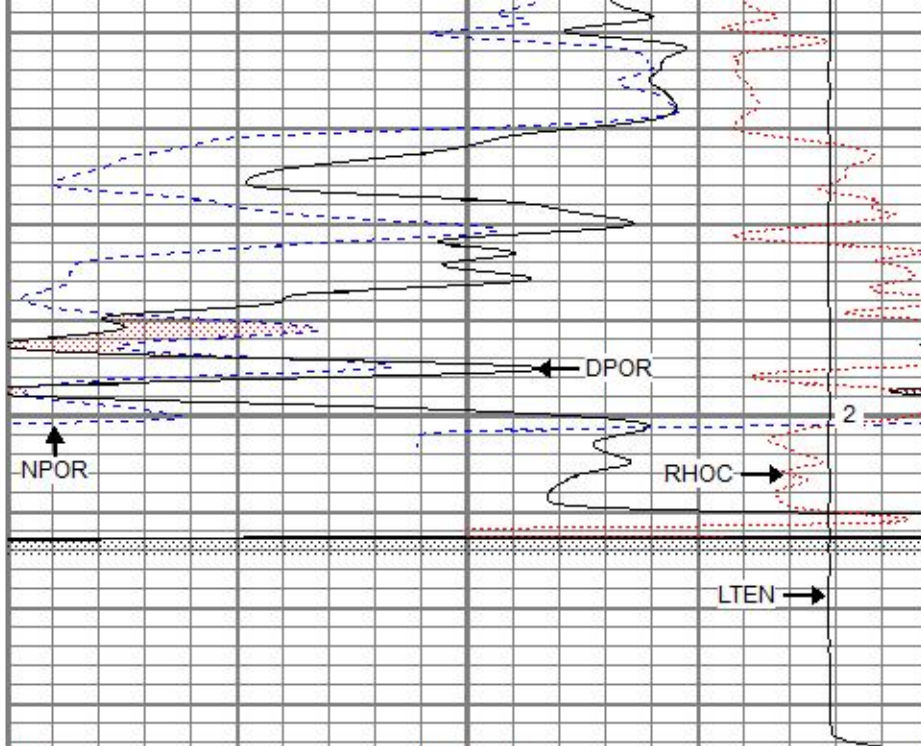
119.7

11



0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

4300



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)

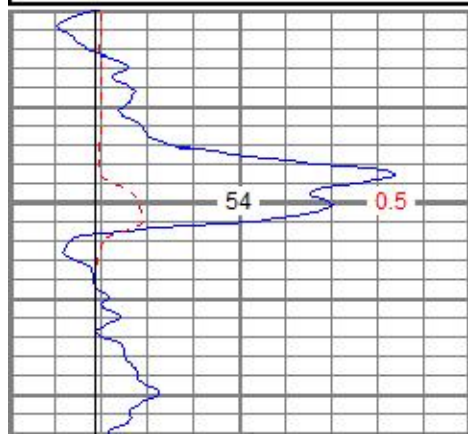


REPEAT SECTION

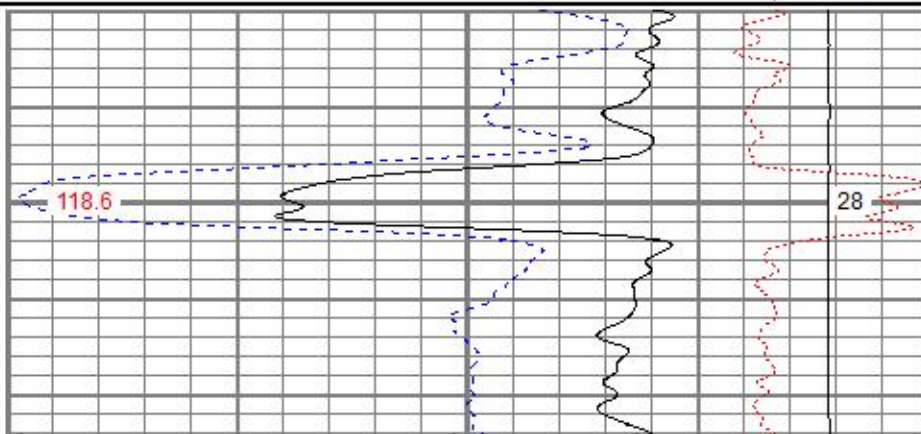
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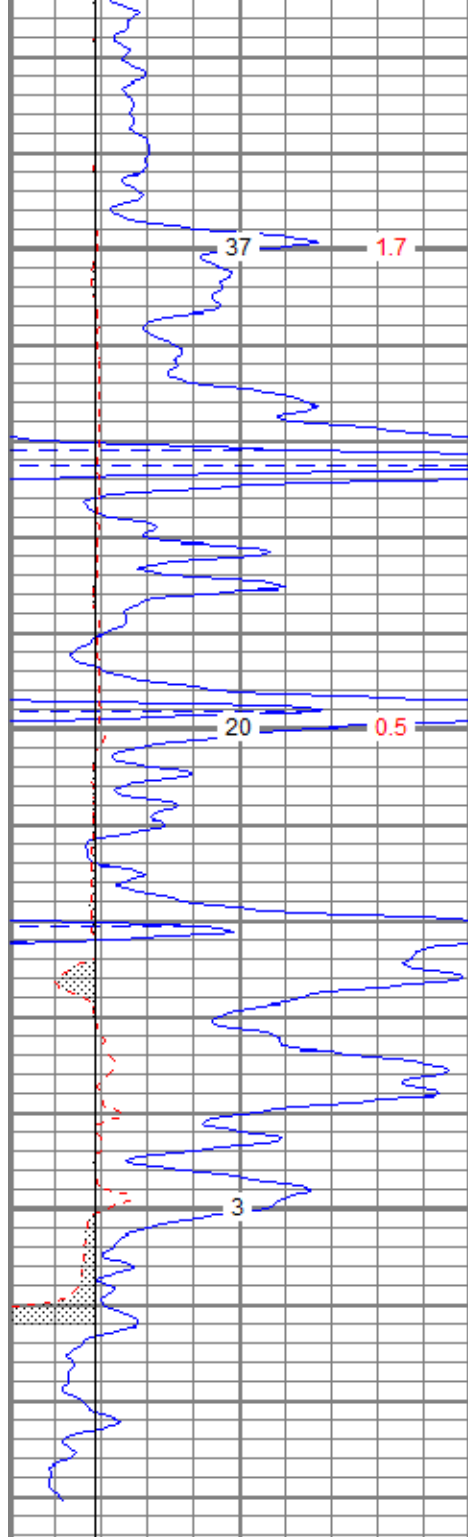
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

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)

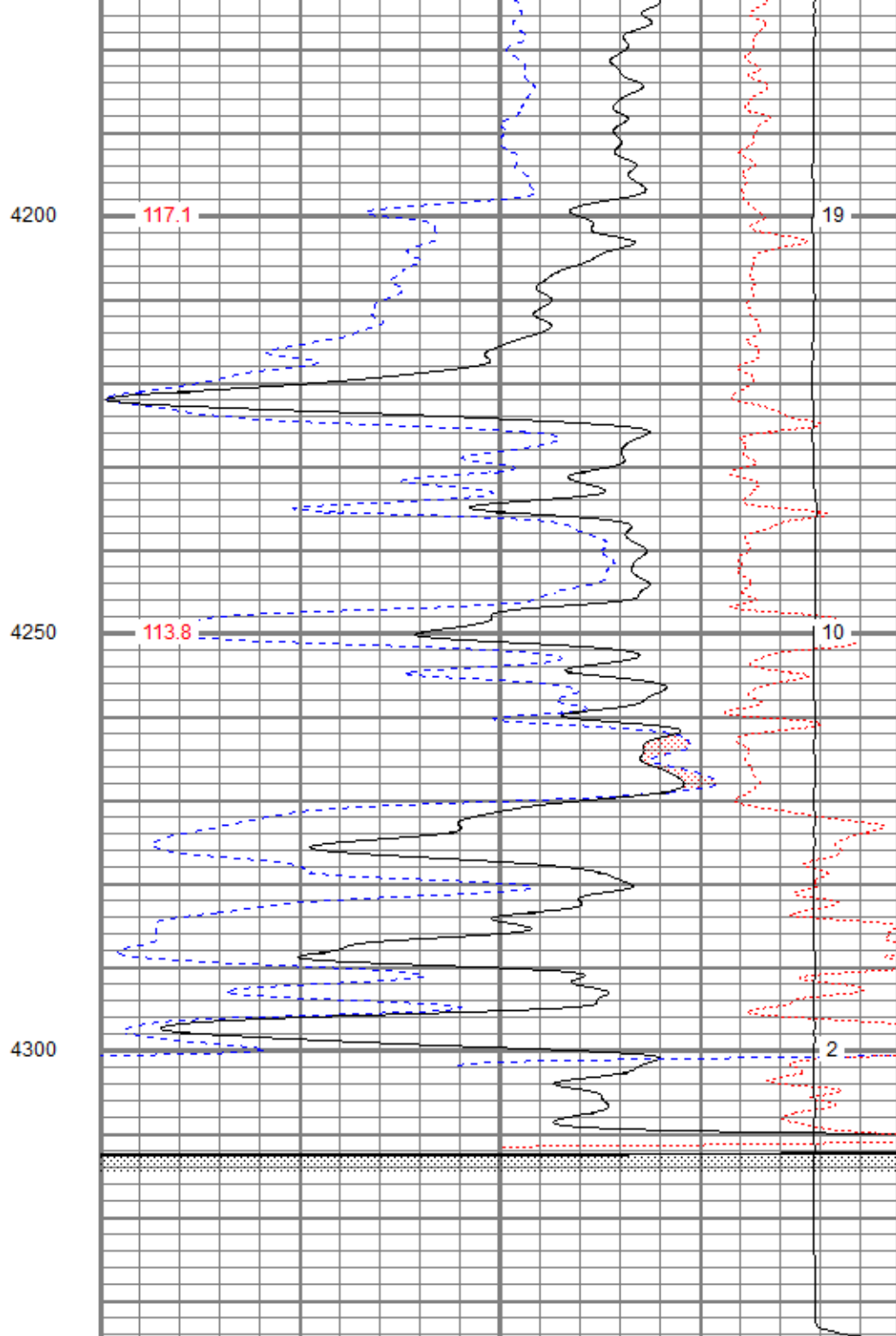


4150





0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)



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)

Calibration Report

Database File tccox#1-35oh.db
 Dataset Pathname pass2.1
 Dataset Creation Sun Dec 23 08:06:30 2018

Dual Induction Calibration Report

Serial-Model: 5375-G
 Surface Cal Performed: Sat Oct 10 08:33:18 2015

Surface Calibration								
Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	551.294	-3.816
Medium	0.010	0.728	V	0.000	400.000	mmho/m	556.531	-5.391
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354

Downhole Calibration								
Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.145	350.239	mmho/m	-0.044	350.323	mmho/m	1.001	-0.189
Medium	0.435	400.472	mmho/m	-0.037	400.340	mmho/m	1.001	-0.473
Shallow	2.440	0.018	V	500.000	2.000	Ohm-m	205.554	0.825

After Survey Verification								
Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.145	350.239	mmho/m	1.001	-0.189
Medium	0.000	0.000	mmho/m	0.435	400.472	mmho/m	1.001	-0.473
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

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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:	Wed Dec 05 04:54:01 2018	
	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 Dec 05 04:53:48 2018			
	Low Read.	High Read.	Low Ref.	High Ref.
X Accelerometer	205.00	1942.00	1.00	1.00

Total weight:	756.00 lb
O.D.:	4.00 in