

Company	Charles N. Griffin	Company	Charles N. Griffin
Well	#3 Randels B	Well	#3 Randels B
Field	Toni-Mike	Field	Toni-Mike
County	Barber	County	Barber
State	Kansas	State	Kansas
Location:	1150' FNL & 1650' FWL	API # : 15 007 23836	Other Services DIL
Permanent Datum	SEC 34 TWP 32S RGE 12W	Elevation	K.B. 1553' D.F. 1552' G.L. 1545'
Log Measured From	KB 8' AGL		
Drilling Measured From	KB		
Date	2-22-12		
Run Number	One		
Depth Driller	4890'		
Depth Logger	4888'		
Bottom Logged Interval	4862'		
Top Log Interval	3800'		
Casing Driller	265'		
Casing Logger	265'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.1/44		
pH / Fluid Loss	10.0/10.8		
Source of Sample	Pit		
Rm @ Meas. Temp	.4@77degf		
Rmf @ Meas. Temp	.32@77degf		
Rmc @ Meas. Temp	.64@82degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.28@116degf		
Time Circulation Stopped	2:00 p.m.		
Time Logger on Bottom	5:30 p.m.		
Maximum Recorded Temperature	116 degf		
Equipment Number	T045		
Location	Hays, KS.		
Recorded By	L. Smith		
Witnessed By	Mr. Bruce Reed	Mr. JR Griffin	

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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

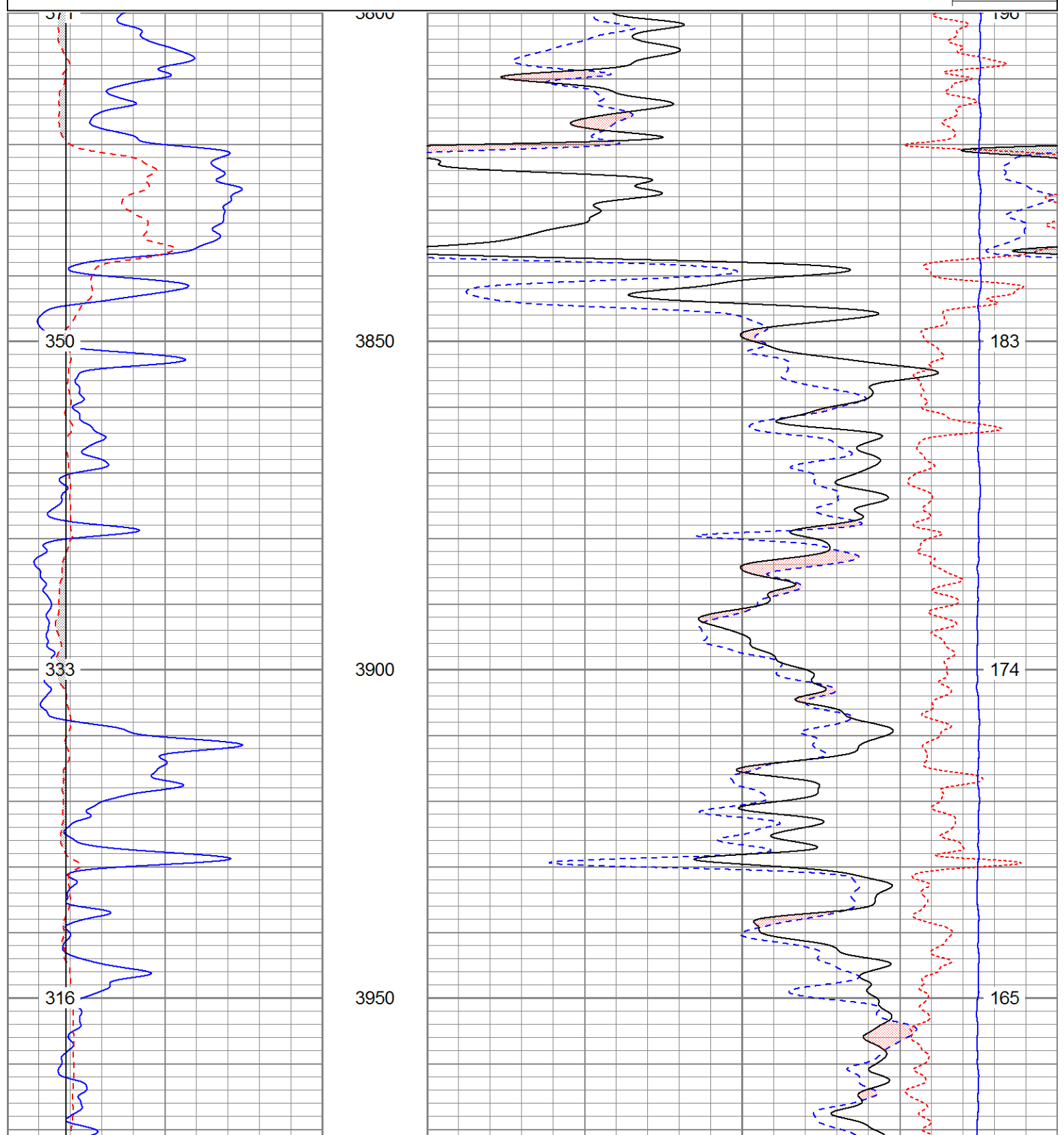
South of Medicine Lodge on 281 2.5 mi. ,
W on Pleasant Valley Rd. Stay on main rd.,
when rd. curves S go across 2 cattle guards and stay on lease rd. to top of hill and turn left @ 3rd
tank battery, 1st location.

ABHV Caculated for 5.5" Casing.

Thanks for using The Perforators LLC Hays, KS. (785-621-4604)

Database File: cg#3randelsboh.db
 Dataset Pathname: pass2
 Presentation Format: kcdnl
 Dataset Creation: Wed Feb 22 18:48:39 2012 by Log Open-Cased 100827
 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)				-0.25	RHOC (g/cc)	0.25
				8000	LTEN (lb)	0
						ABHV (ft3)



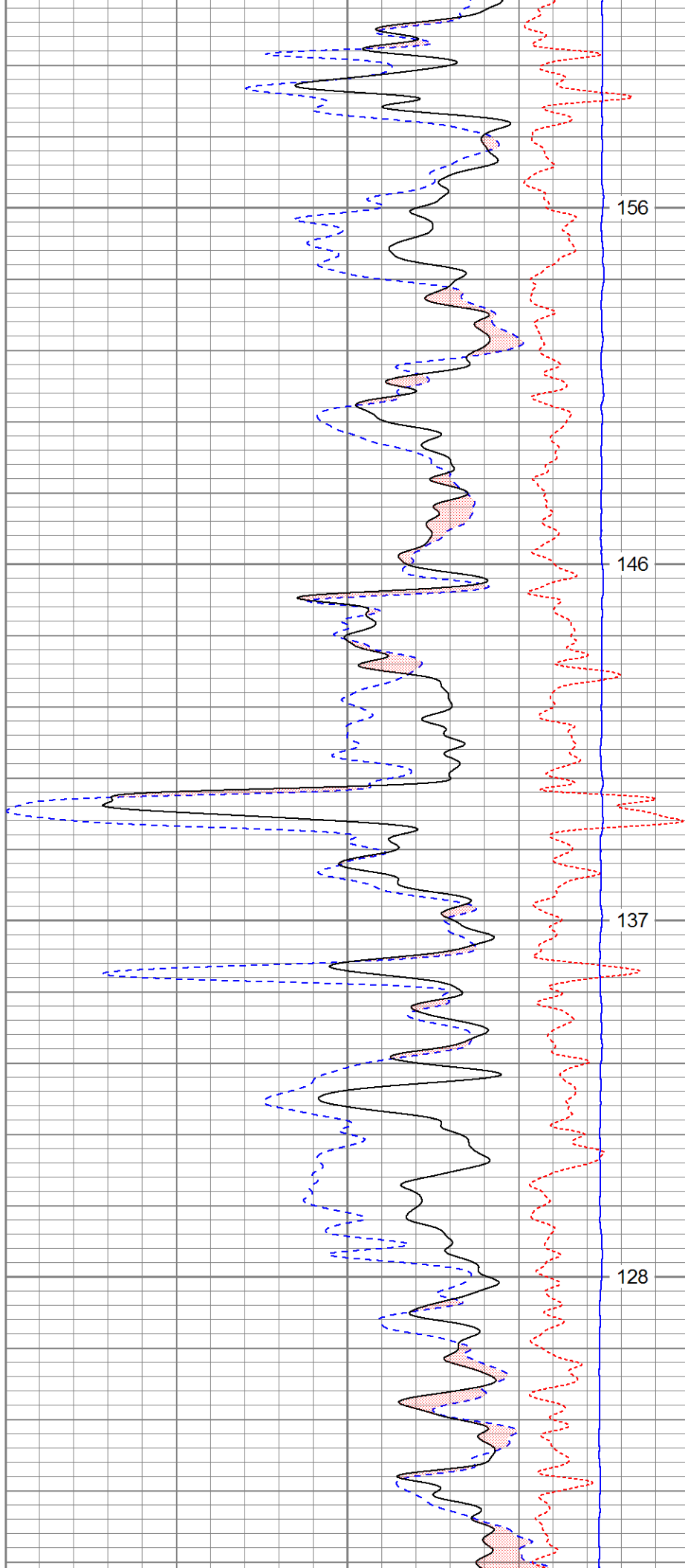


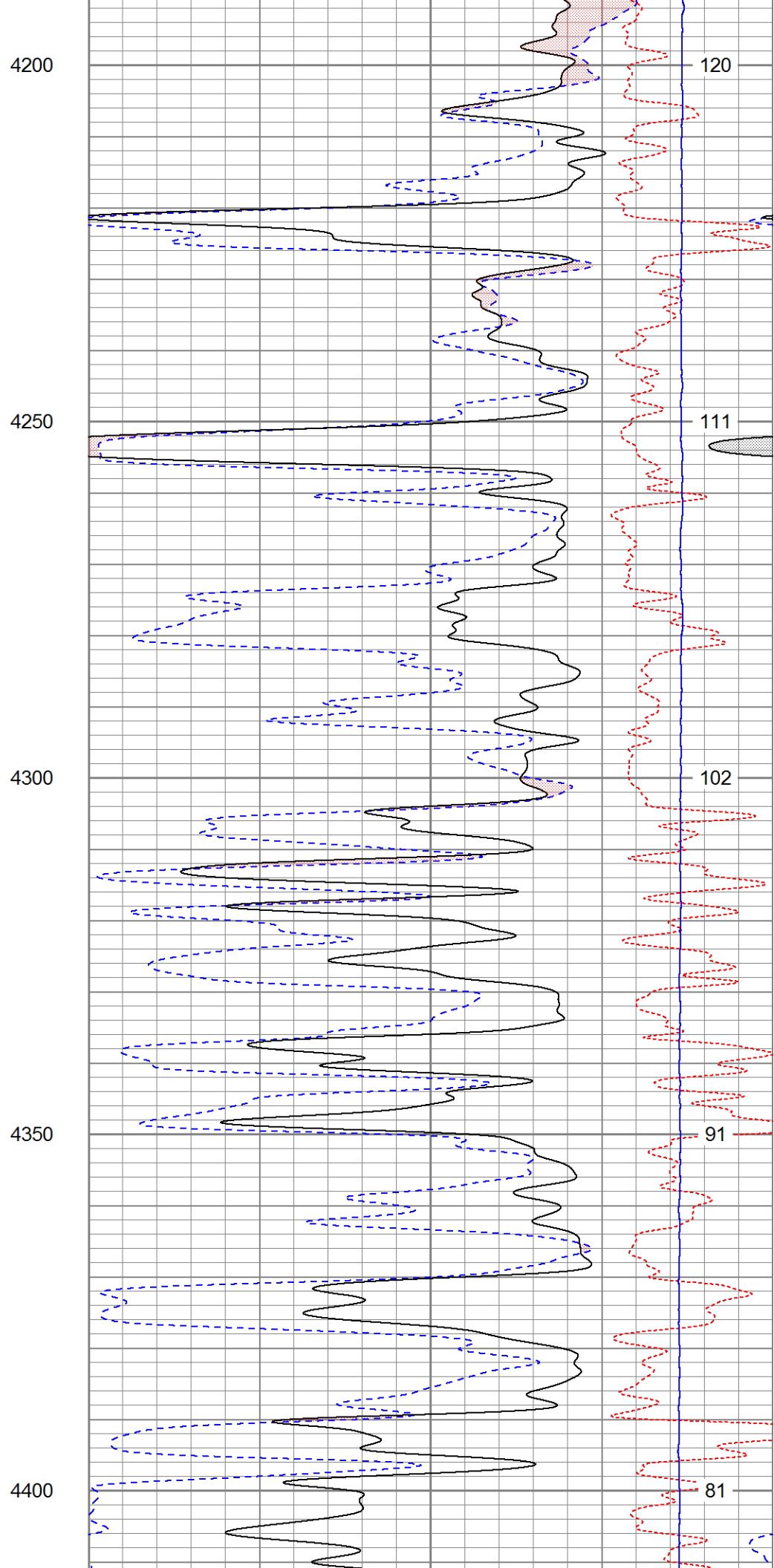
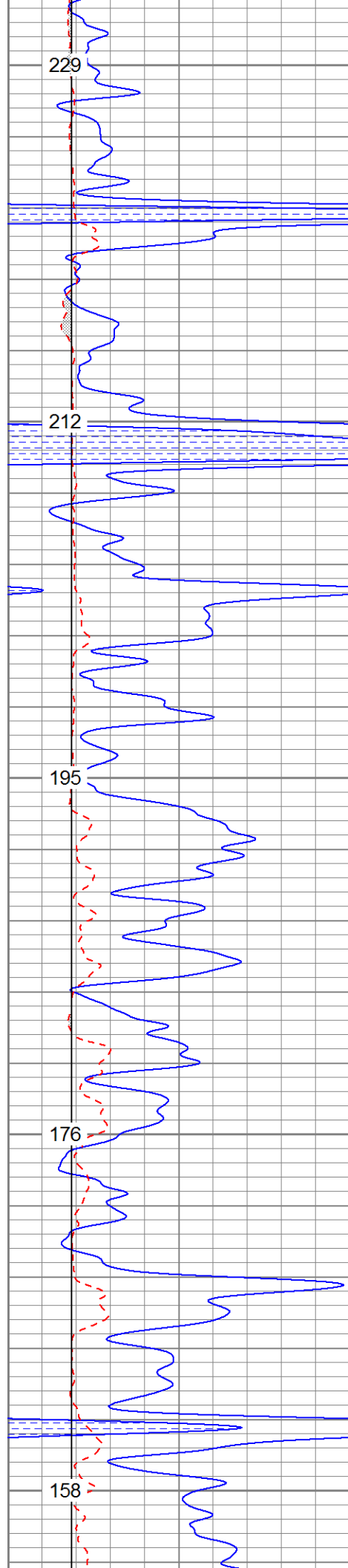
4000

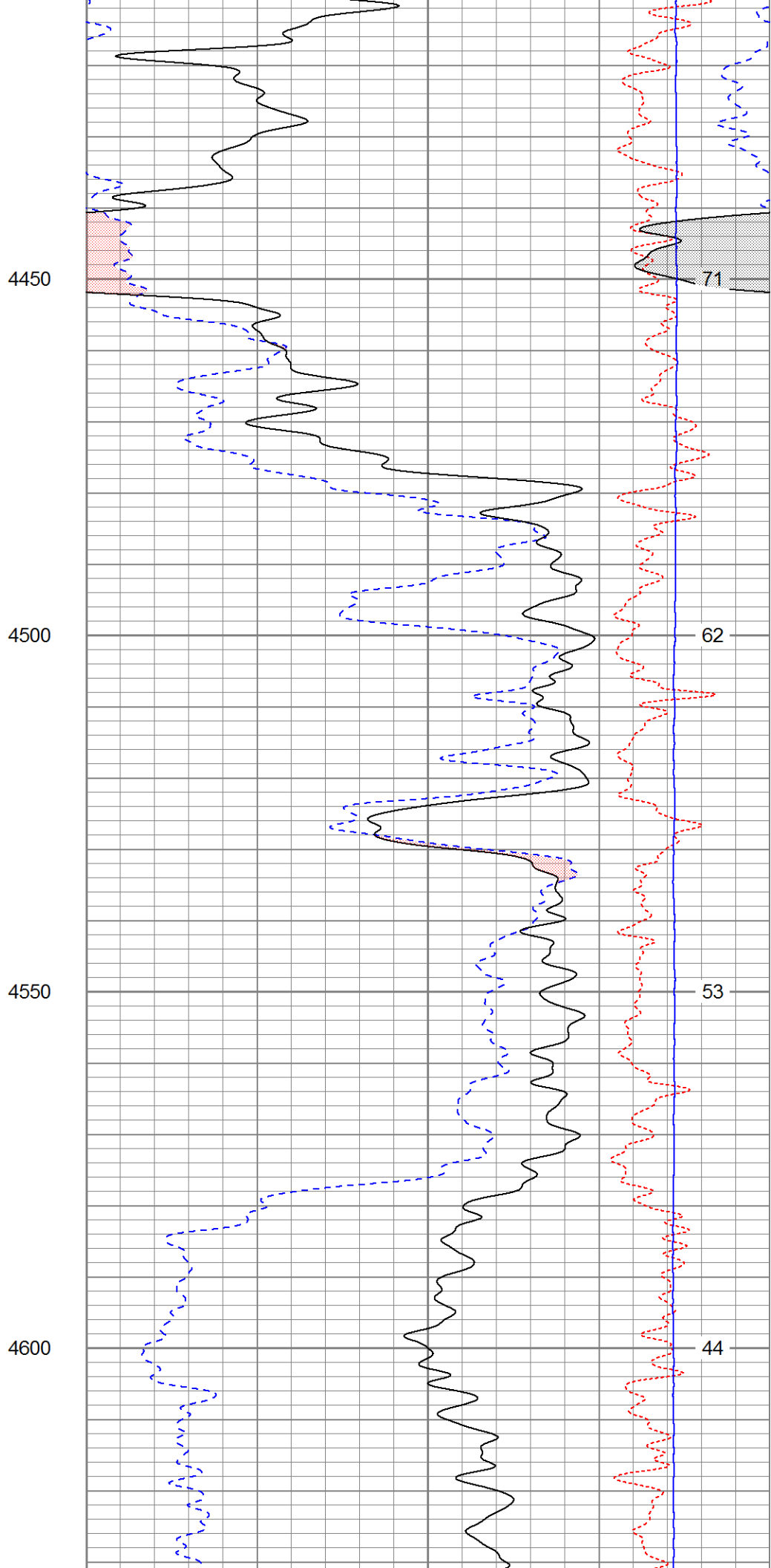
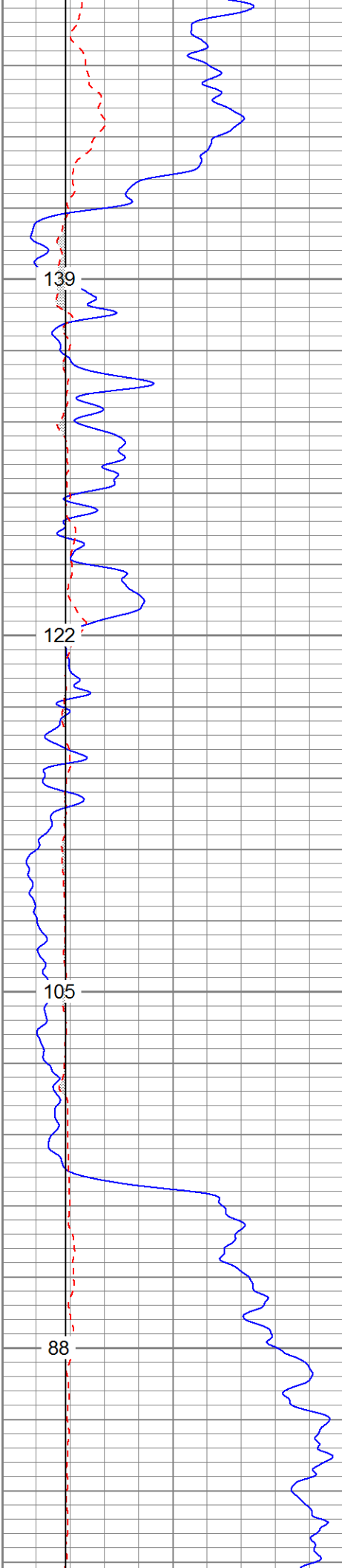
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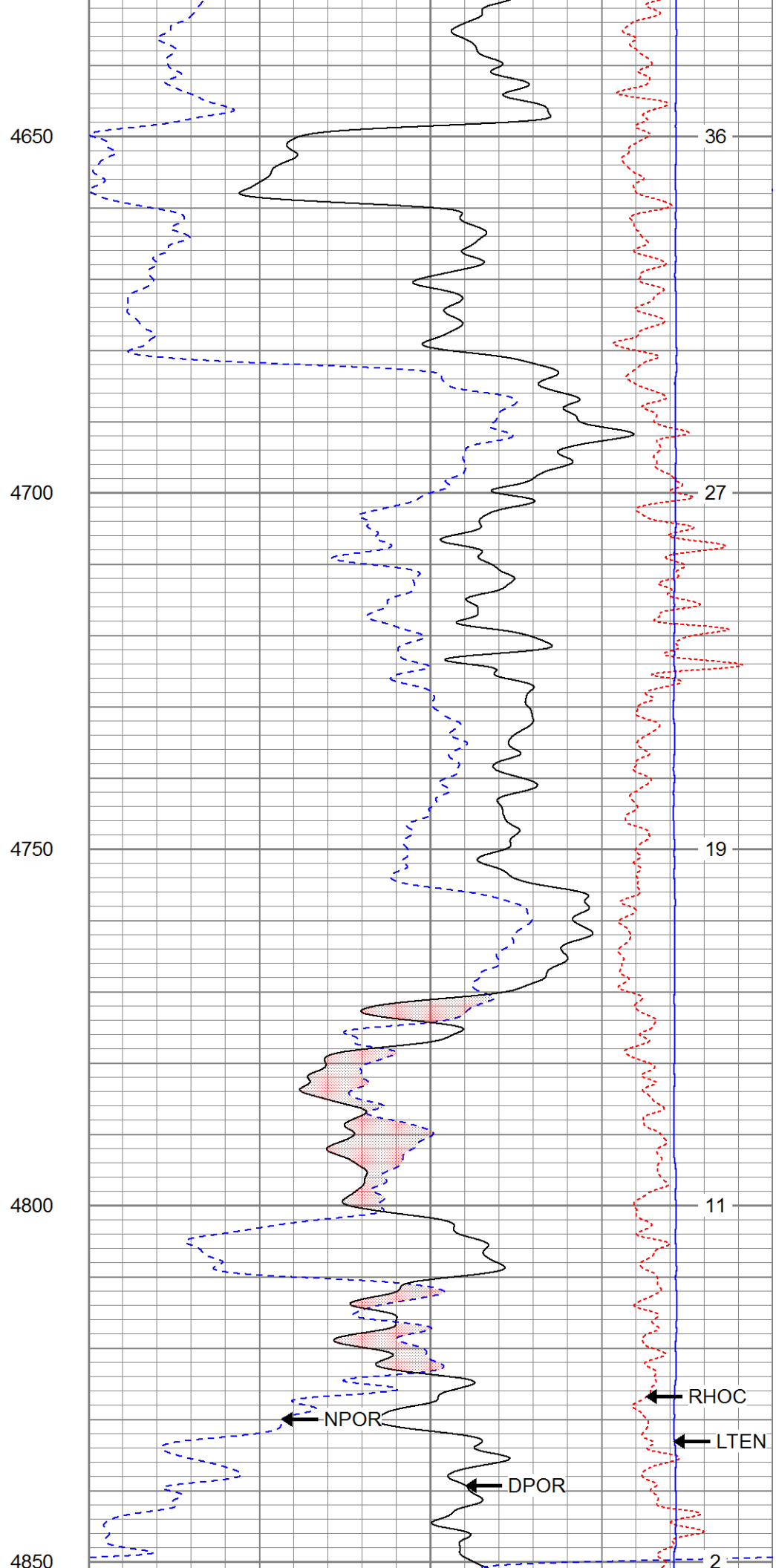
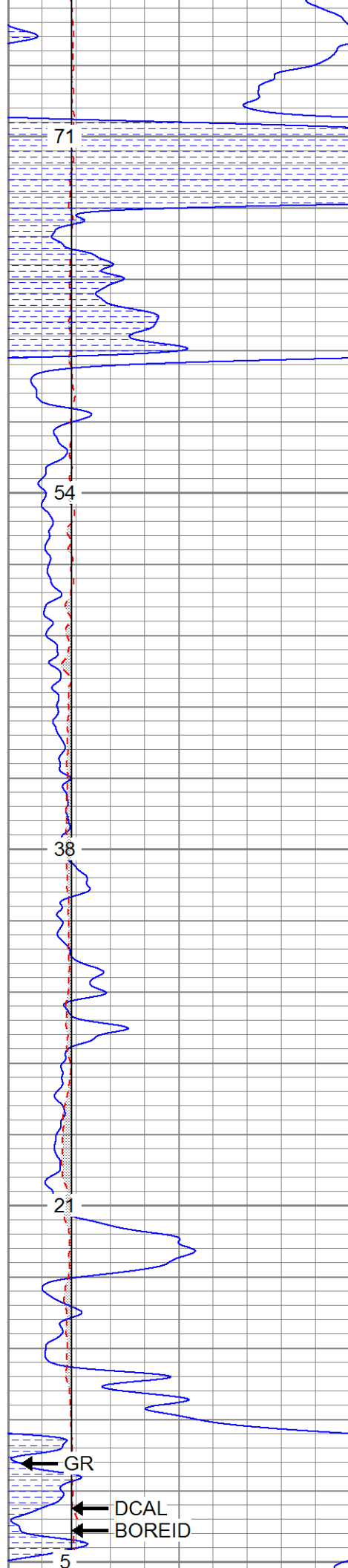
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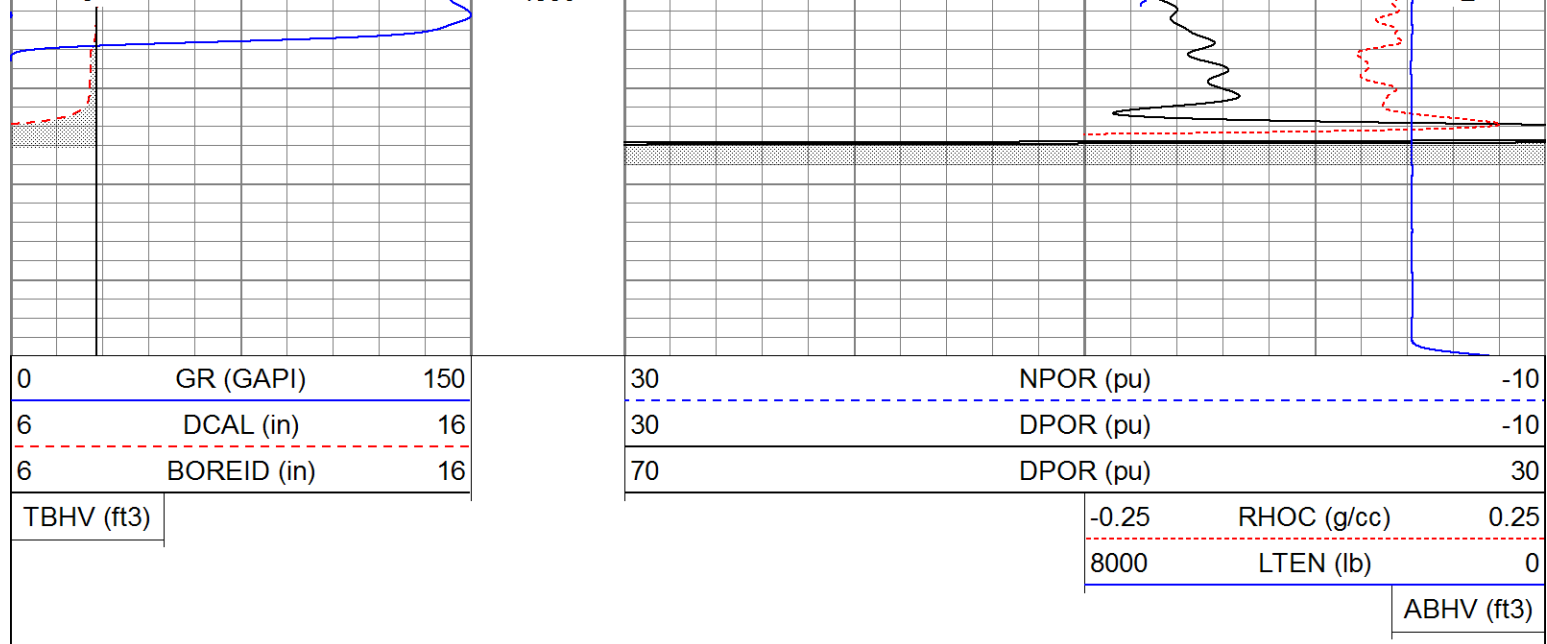
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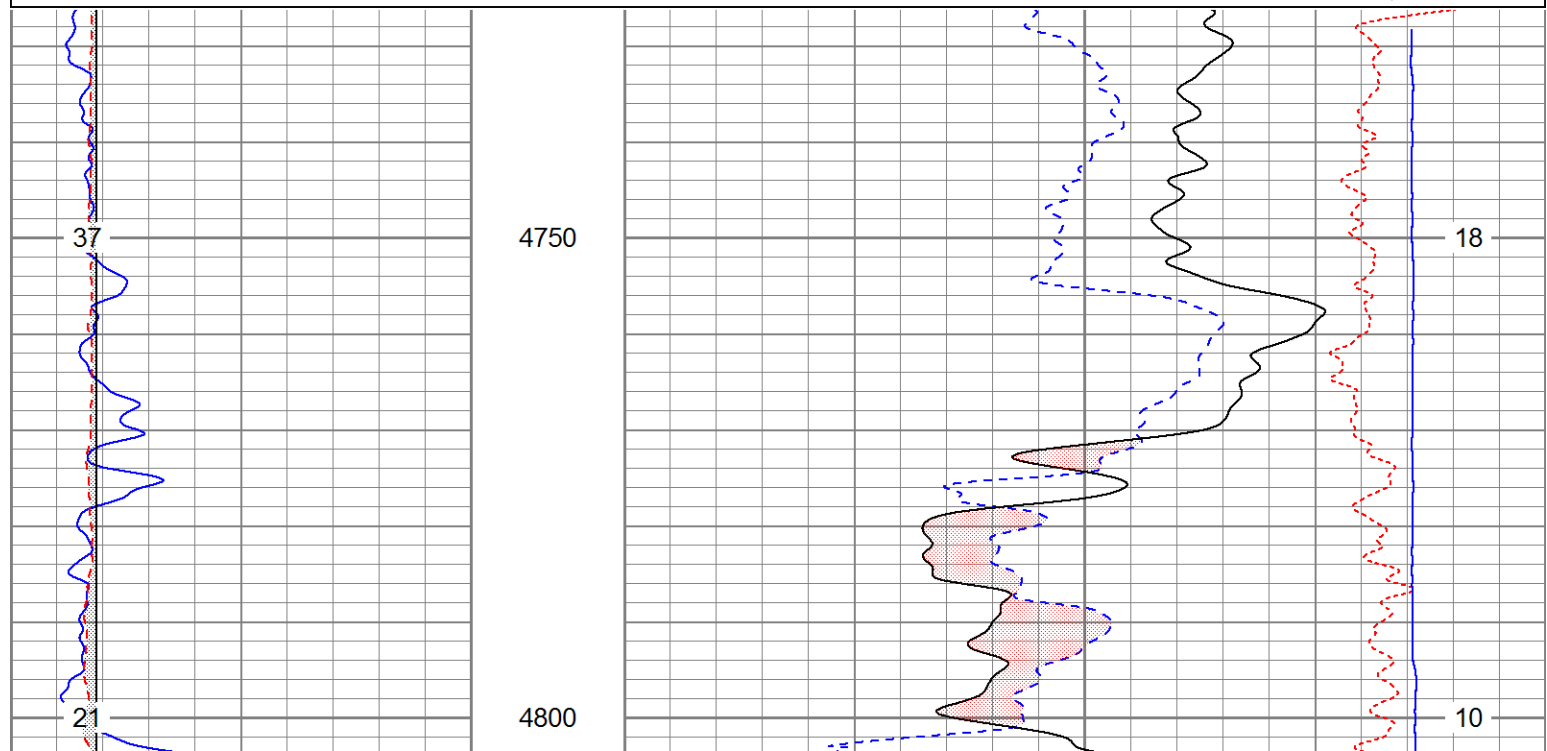
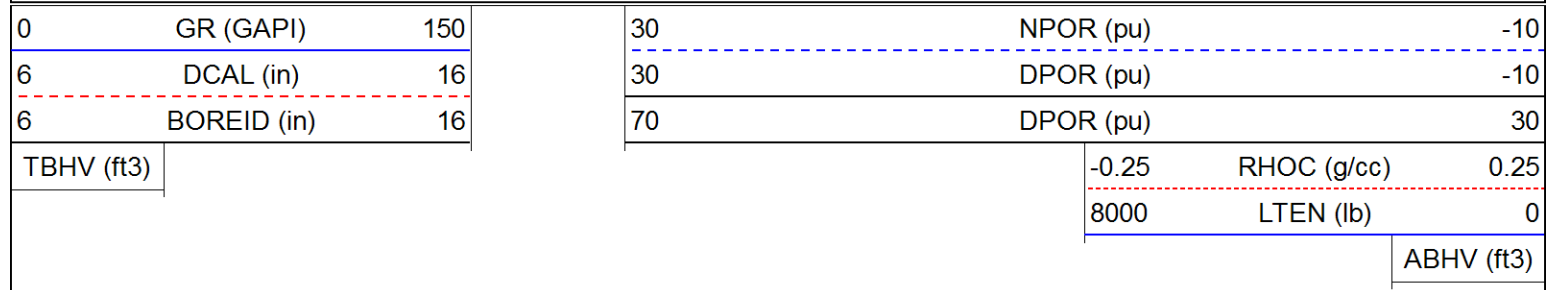


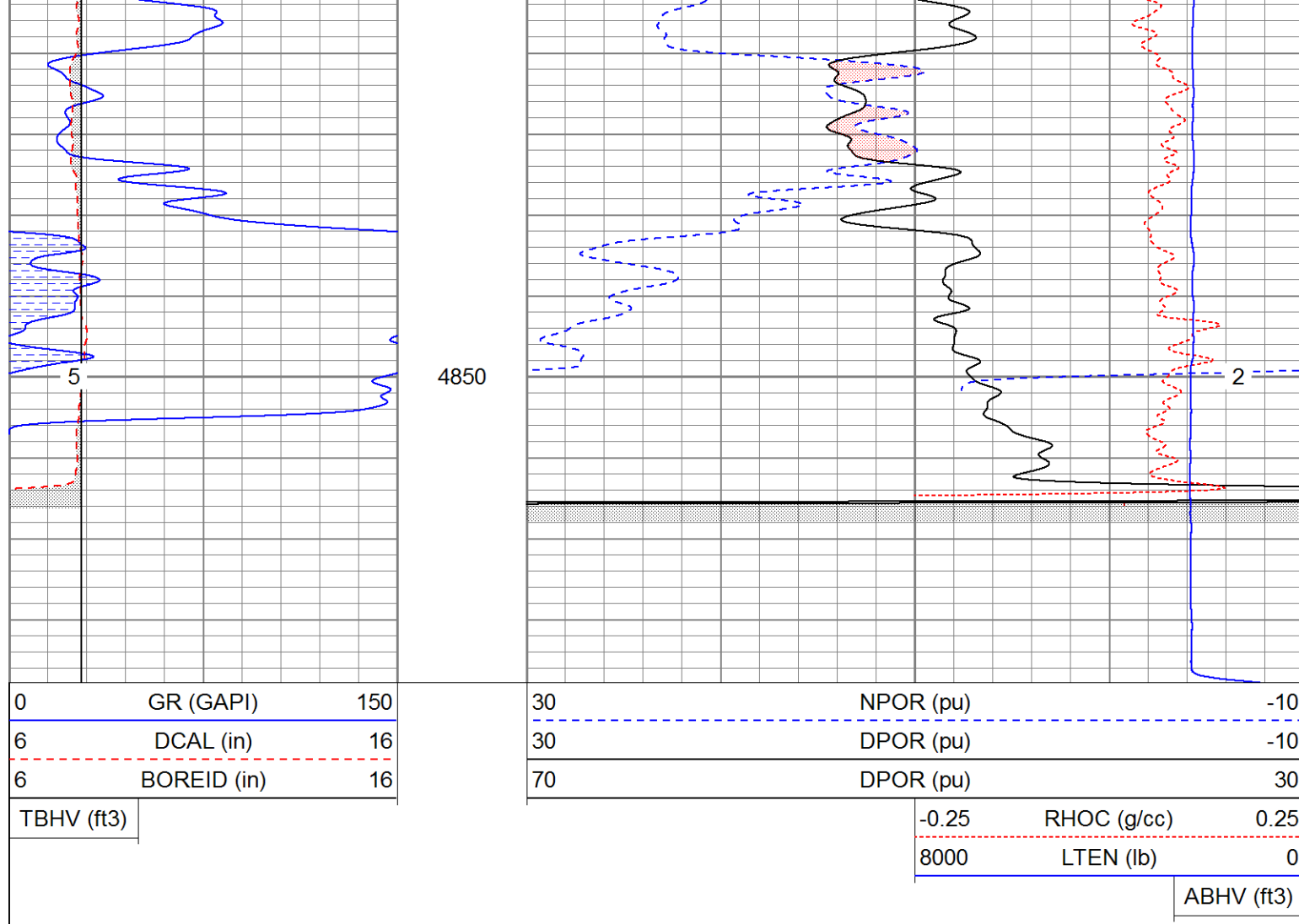




Repeat Pass

Database File: cg#3randelsboh.db
 Dataset Pathname: pass1.1
 Presentation Format: kcdnl
 Dataset Creation: Wed Feb 22 19:02:17 2012 by Calc Open-Cased 100827
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: cg#3randelsboh.db
 Dataset Pathname: pass1
 Dataset Creation: Wed Feb 22 18:38:38 2012 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model: 080522-Probe
 Surface Cal Performed: Wed Feb 22 16:59:31 2012
 Downhole Cal Performed: Wed Feb 22 16:59:34 2012
 After Survey Verification Performed: Wed Feb 22 16:59:36 2012

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.001	0.639	V	0.000	400.000	mmho/m	627.163	-0.574
Medium	0.002	0.738	V	0.000	464.000	mmho/m	630.206	-1.062
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.001	0.638	V	0.000	400.000	mmho/m	628.131	-0.717
Medium	0.002	0.738	V	0.000	464.000	mmho/m	630.237	-1.192

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.283	399.724	mmho/m	0.142	399.525	mmho/m	1.000	-0.142

Deep	0.200	666.721	mmho/m	0.112	666.620	mmho/m	1.000	0.112
Medium	0.315	464.258	mmho/m	0.131	464.108	mmho/m	1.000	-0.185
LL3		7.287	V		750.000	Ohm-m		
		-0.000	V		12.000	Ohm-m		
		-7.425	V		3745.000	mmho-m		

After Survey Verification								
Readings			Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.283	399.724	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	0.315	464.258	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		750.000	Ohm-m		
		0.000	Ohm-m		12.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Compensated Density Calibration Report

Serial-Model:	2501DHT-DHT
Source / Verifier:	/
Master Calibration Performed:	Fri Feb 17 05:00:07 2012
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration					
	Density			Far Detector	Near Detector
Magnesium	1.750	g/cc		744.27	293.58 cps
Aluminum	2.680	g/cc		138.48	189.15 cps
Spine Angle = 75.35			Density/Spine Ratio = 0.535		
	Size			Reading	
Small Ring	7.55	in		6064.22	
Large Ring	14.00	in		10296.80	

Before Survey Verification					
	Target			Measured	
		g/cc			g/cc
		g/cc			g/cc
		g/cc			g/cc

After Survey Verification					
	Target			Measured	
		g/cc			g/cc
		g/cc			g/cc
		g/cc			g/cc

Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Mon Feb 06 09:30:04 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2200	GAPI/cps

Neutron Calibration Report

