



LITHO DENSITY NEUTRON LOG

Company		BEREXCO LLC.	
Well		CHRISLER-ELLIOTT#21	
Field		BOWLBY	
County		ELLIS	
State		KS	
Location:		API # : 15 051 27062	
Permanent Datum		715' FSL & 1465' FEL	
Log Measured From		SEC 1 TWP 11S RGE 16W	
Drilling Measured From		Ground Level Elevation 1927	
		KB 10' AGL	
		KB	
		Elevation	
		K.B. 1937	
		D.F. 1935	
		G.L. 1927	
Date	11/14/22		
Run Number	One		
Depth Driller	3550		
Depth Logger	3550		
Bottom Logged Interval	3530		
Top Log Interval	2750		
Casing Driller	8 5/8" @ 262		
Casing Logger	262		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.2/55		
pH / Fluid Loss	9.0/9.2		
Source of Sample	Pit		
Rm @ Meas. Temp	.6@70degf		
Rmf @ Meas. Temp	.45@70degf		
Rmc @ Meas. Temp	.72@70degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.44@95degf		
Time Circulation Stopped	1:00 P.M		
Time Logger on Bottom	4:15 P.M		
Maximum Recorded Temperature	95degf		
Equipment Number	T605		
Location	Hays, KS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	BRYAN BYNOG		

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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

FAIRPORT WEST TO 175TH RD 5 NORTH,
WEST INTO.

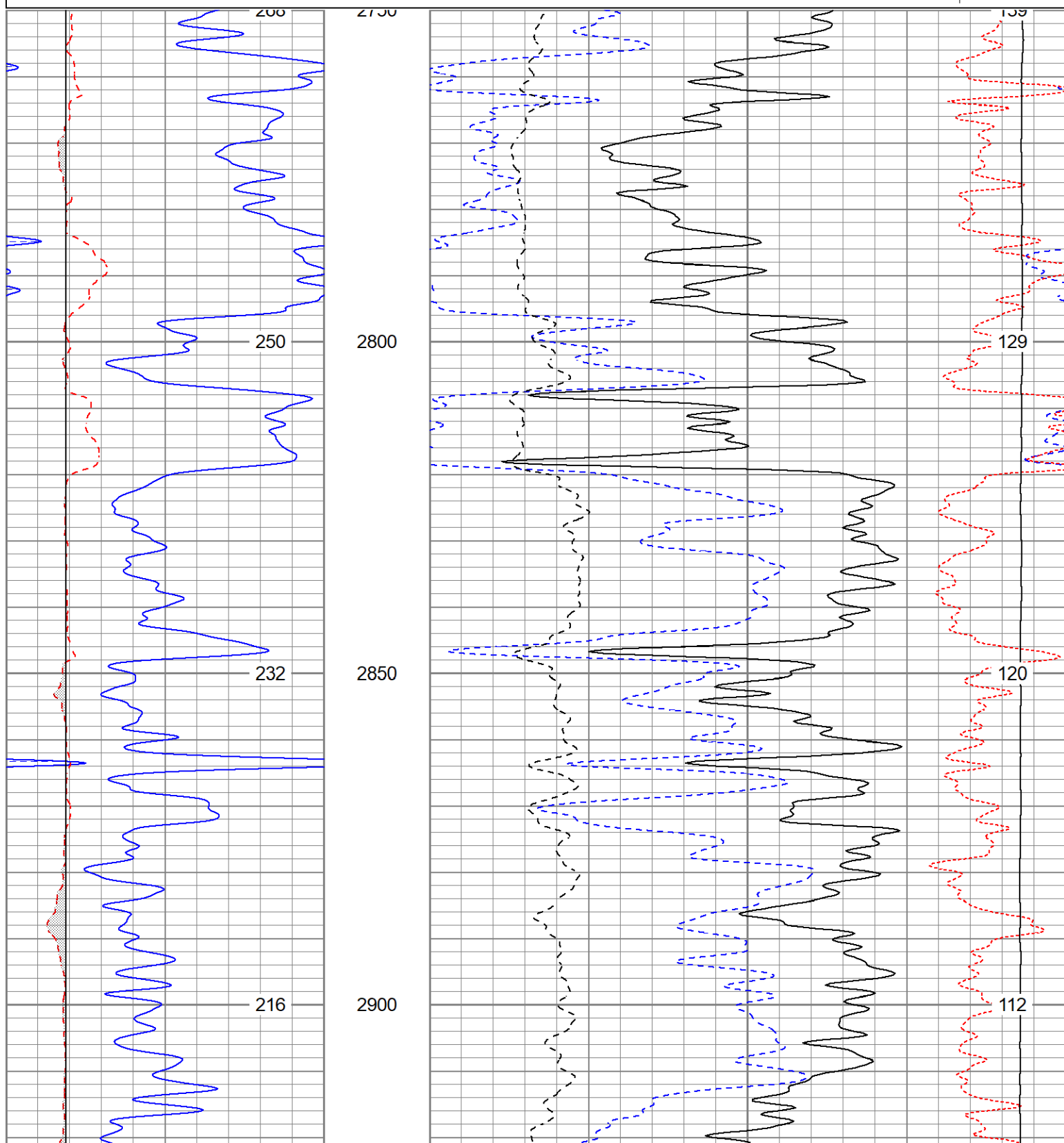
Thank You for using Gemini Wireline LLC
785-625-1182

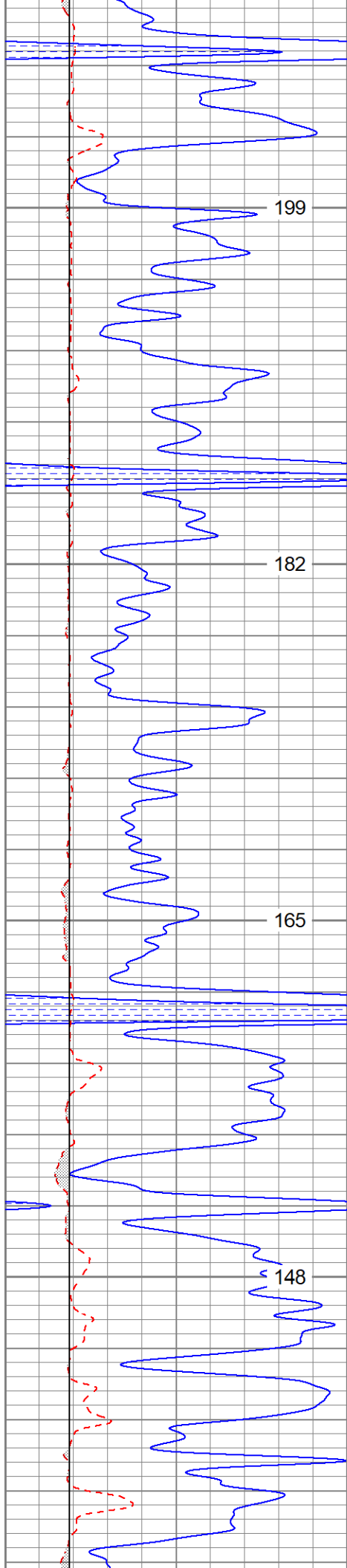


MAIN PASS

Database File	berexcochrisherelliott#21oh.db
Dataset Pathname	pass3.1
Presentation Format	kcdnl
Dataset Creation	Mon Nov 14 17:40:36 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
6	BOREID (in)	16	0	PE (barn)	10	-0.25
	TBHV (ft3)					0
						ABHV (ft3)



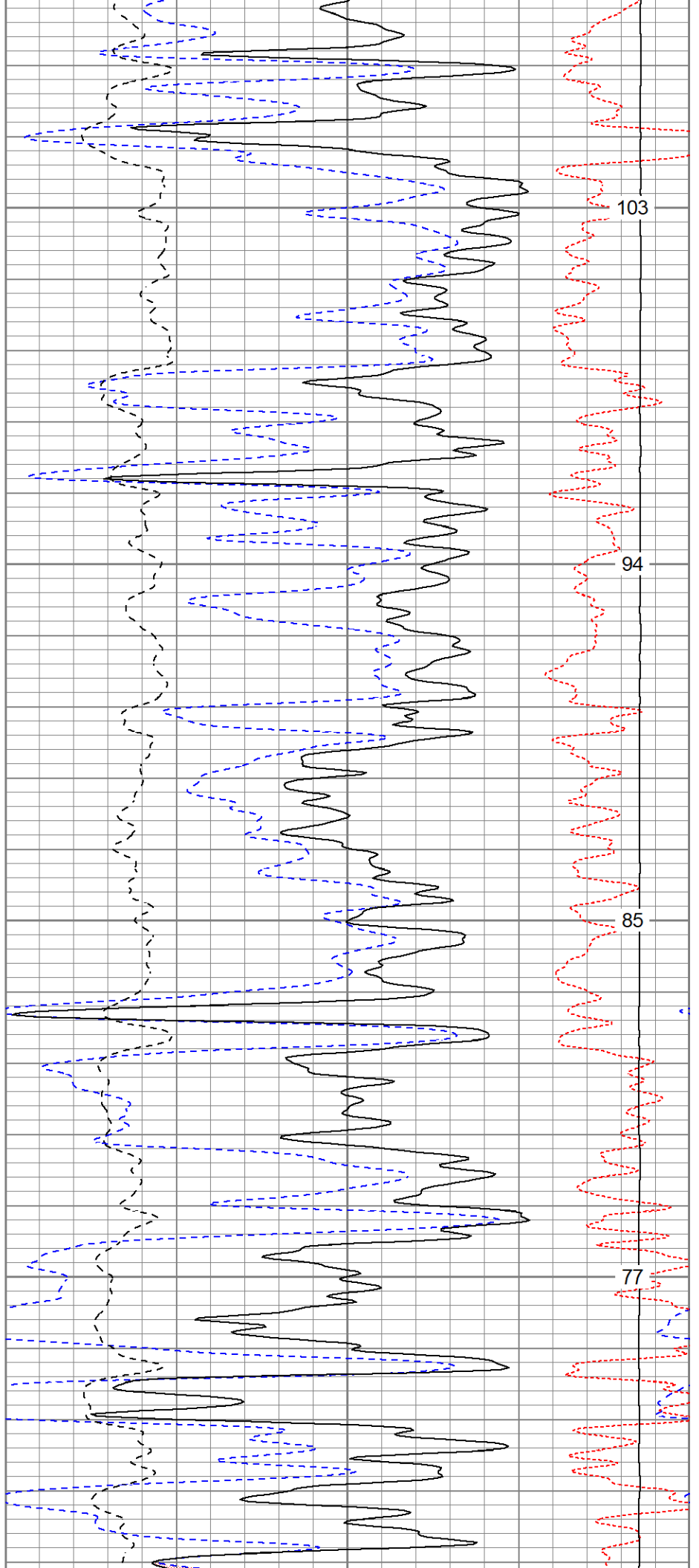


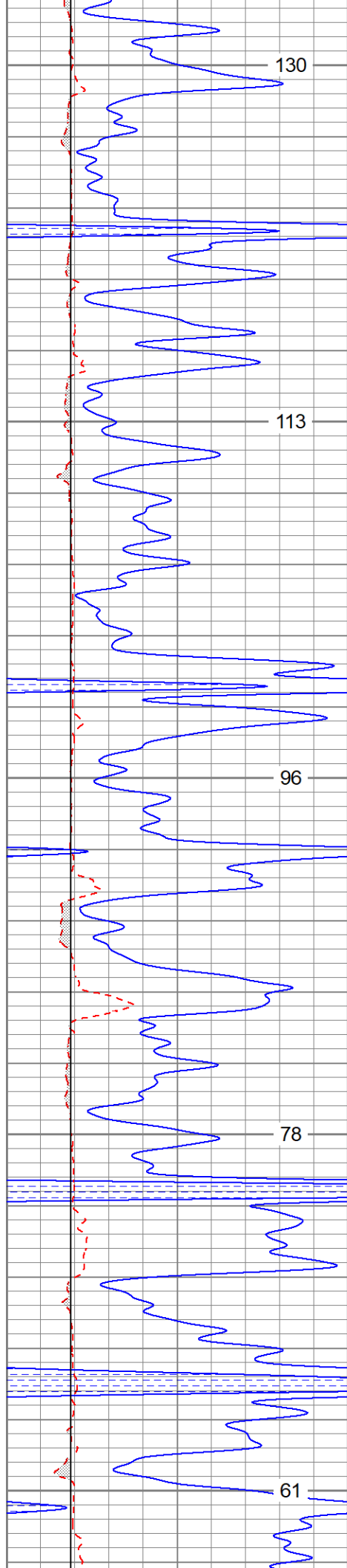
2950

3000

3050

3100





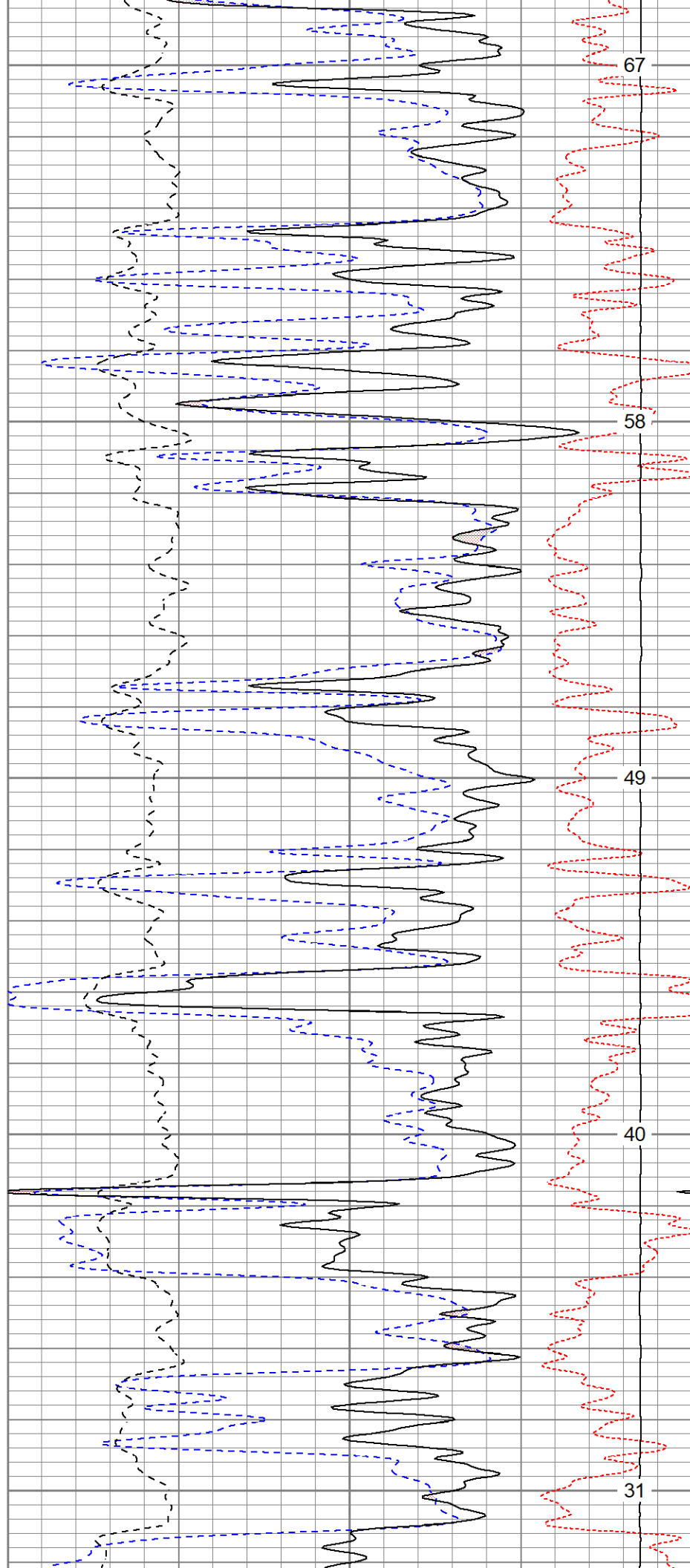
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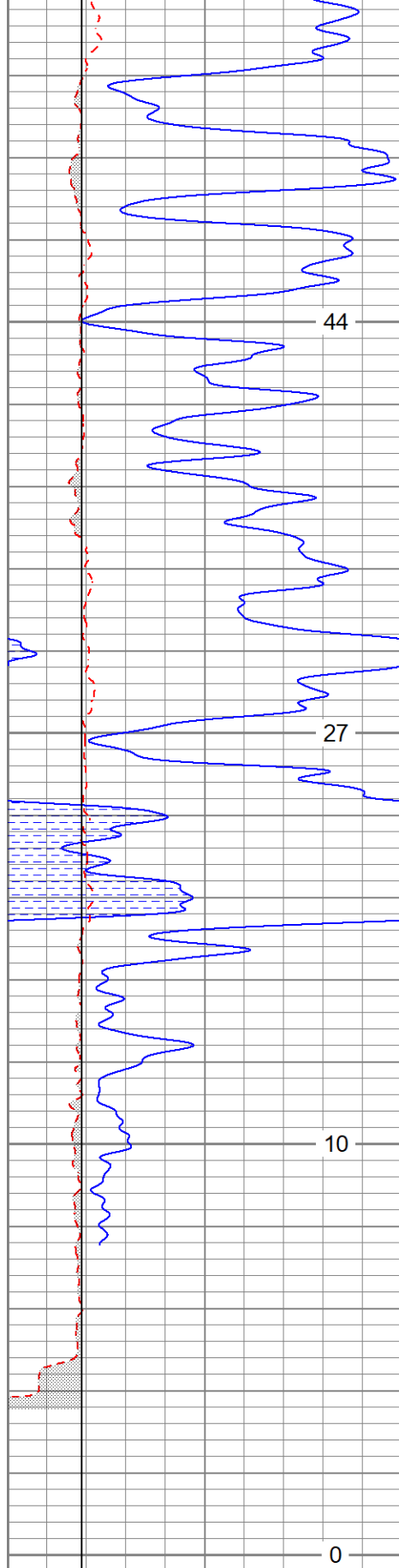
3200

3250

3300

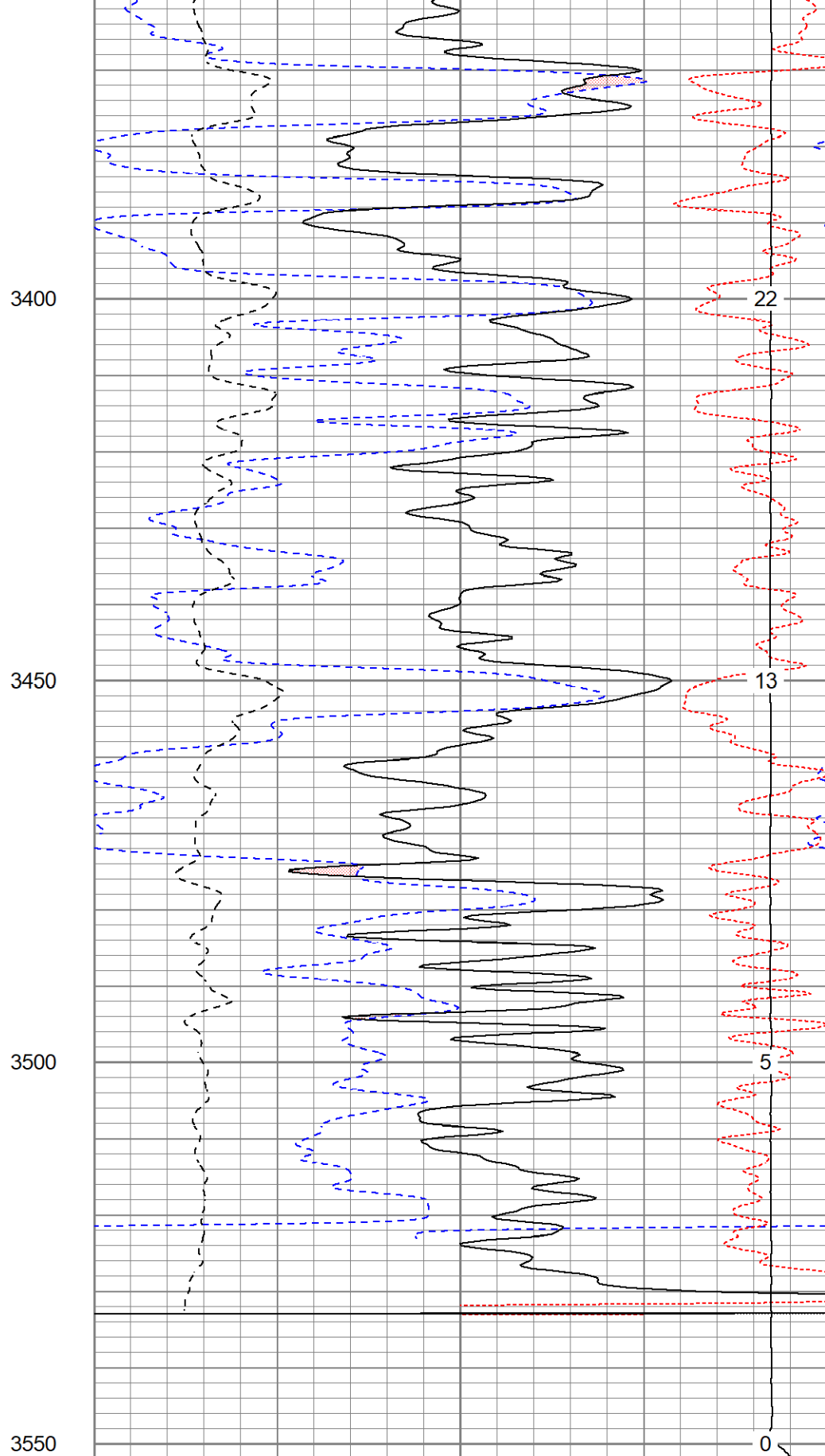
3350





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

TBHV (ft3)



30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
0	PE (barn)	10
-0.25	RHOC (g/cc)	0.25
8000	LTEN (lb)	0

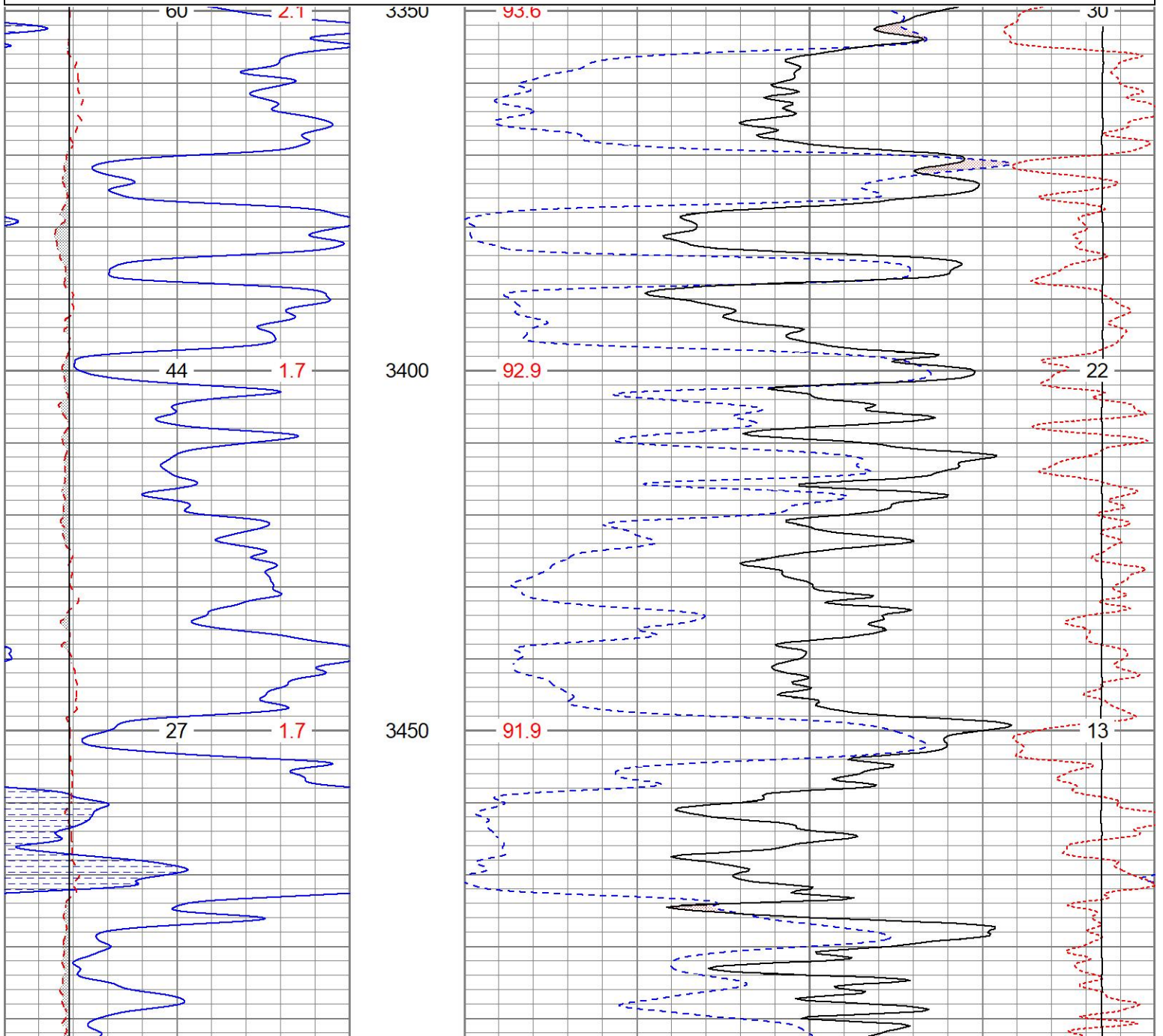
ABHV (ft3)

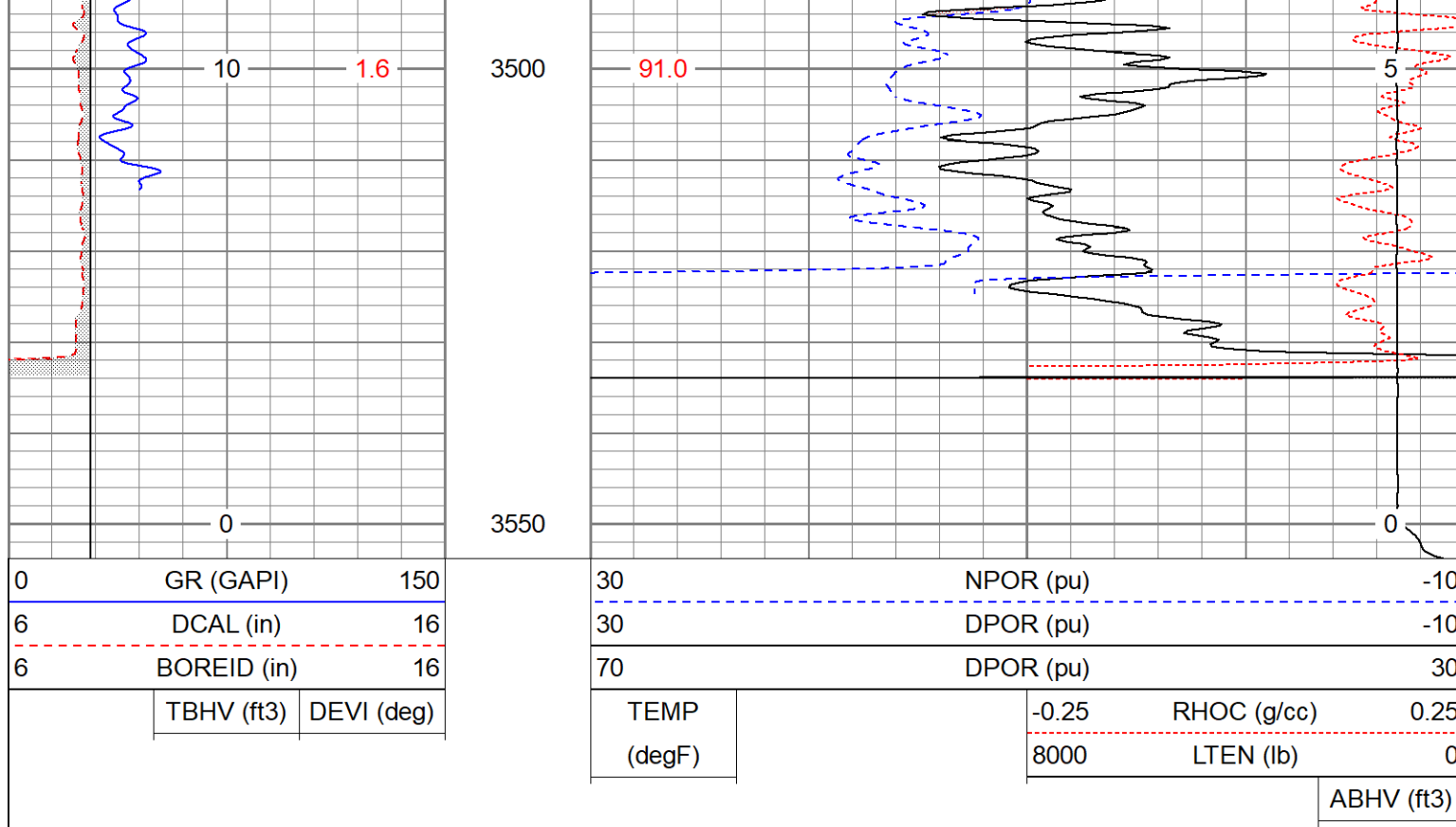


REPEAT SECTION

Database File berexcochrislerelliott#21oh.db
 Dataset Pathname pass2.1
 Presentation Format digital_kcdnl
 Dataset Creation Mon Nov 14 18:27:01 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)





Calibration Report

Database File	berexcochrislerelliott#21oh.db
Dataset Pathname	pass2.1
Dataset Creation	Mon Nov 14 18:27:01 2022

Dual Induction Calibration Report

Serial-Model:	1989-ADM
Surface Cal Performed:	Tue Feb 4 16:04:10 2020
Downhole Cal Performed:	Wed Jun 6 19:34:10 2018
After Survey Verification Performed:	Wed Jun 6 19:34:10 2018

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.012	0.665	V	0.000	350.000	mmho/m	516.748	6.134
Medium	-0.013	0.752	V	0.000	400.000	mmho/m	522.482	6.987
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.011	0.668	V	0.000	350.000	mmho/m	515.730	5.704
Medium	-0.015	0.752	V	0.000	550.000	mmho/m	716.653	10.787

Downhole Calibration

Readings				References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	0.000	mmho/m	0.419	351.110	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-0.877	400.105	mmho/m	1.000	0.000
Shallow	2.502	0.040	V	500.000	2.000	Ohm-m	230.323	-3.526

After Survey Verification

Readings				Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	1.000	0.000
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000
Admyr Lithodensity Calibration Report								
Serial-Model:				1C-C				
Source:				Blue2				
Master Calibration Performed:				Tue Aug 30 10:20:37 2022				
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				
Calibrator Value:	1.0	GAPI			
Background Reading:	0.0	cps			
Calibrator Reading:	1.0	cps			
Sensitivity:	1.1000	GAPI/cps			