



COMPENSATED DENSITY NEUTRON LOG

Company JOHN O. FARMER, INC.

Well FINNEY #3

Field RAINBOW RIDGE

County LYON State KS

Location: API # : 15-111-20571

330' FNL & 2235' FWL

SEC 6 TWP 17S RGE 10E

Permanent Datum Ground Level Elevation 1308
Log Measured From KB 12' AGL
Drilling Measured From KB

Other Services
ML
DIL
Elevation
K.B. 1320
D.F. 1318
G.L. 1308

Date 7/11/24

Run Number One

Depth Driller 3160

Depth Logger 3160

Bottom Logged Interval 3138

Top Log Interval 2300

Casing Driller 8 5/8" @ 260'

Casing Logger 260'

Bit Size 7 7/8"

Type Fluid in Hole Chemical Mud

Density / Viscosity 9.3/48

pH / Fluid Loss 10/8.7

Source of Sample Pit

Rm @ Meas. Temp 1.5@70degf

Rmf @ Meas. Temp 1.13@70degf

Rmc @ Meas. Temp 1.8@70degf

Source of Rmf / Rmc Calculated

Rm @ BHT 0.98@107degf

Time Circulation Stopped 1:00 AM

Time Logger on Bottom 3:30 AM

Maximum Recorded Temperature 107degf

Equipment Number T-605

Location HAYS, KS.

Recorded By COLBY DREILING

Witnessed By 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

FROM COUNCIL GROVE, GO SOUTH ON S 5TH STREET, THEN TURN LEFT ONTO DUNLAP RD, THEN GO SOUTH UNTIL Y AVENUE, THEN EAST 3.5 MILES, SOUTH INTO.

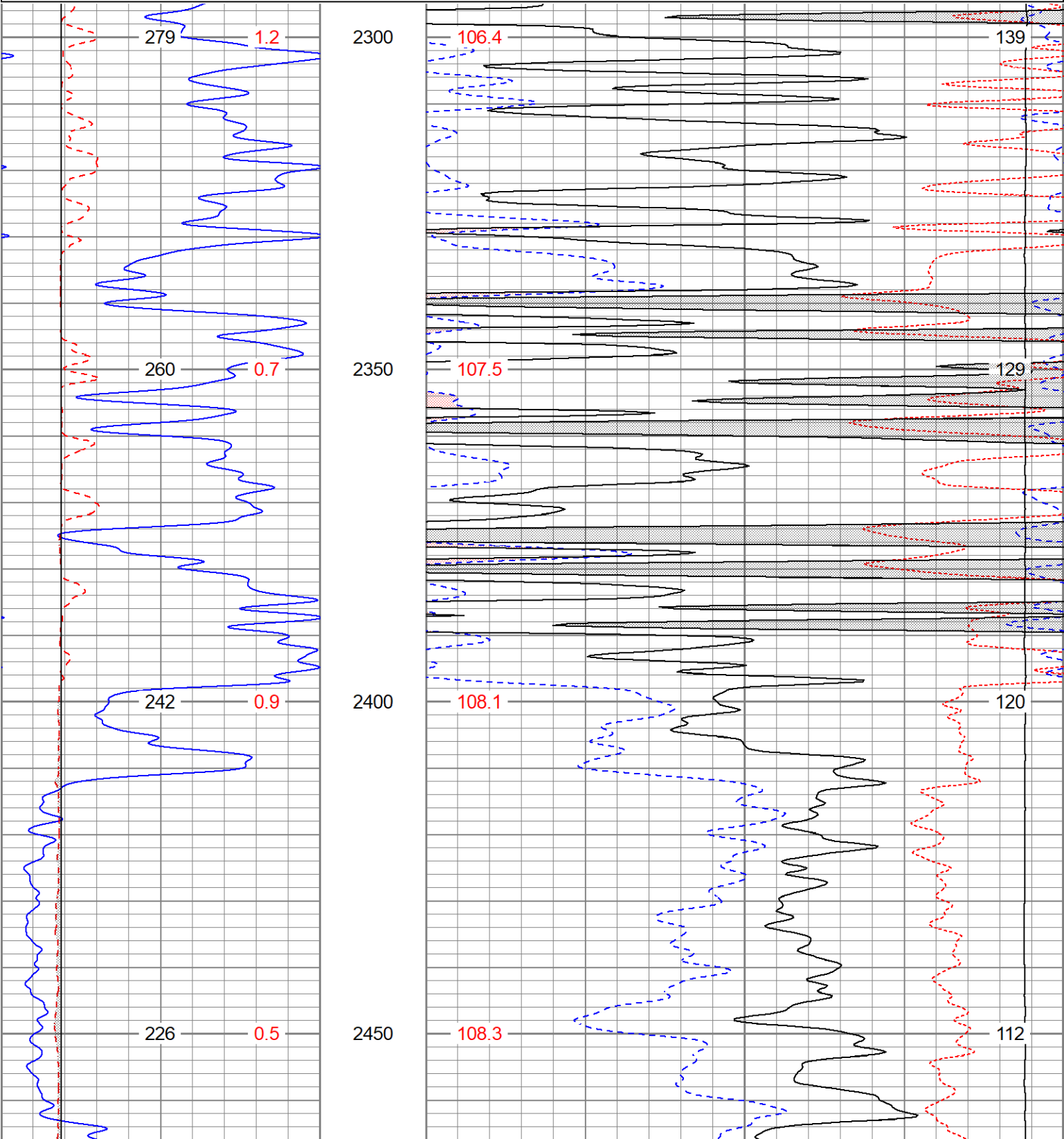
Thank you for using Gemini Wireline
785-625-1182

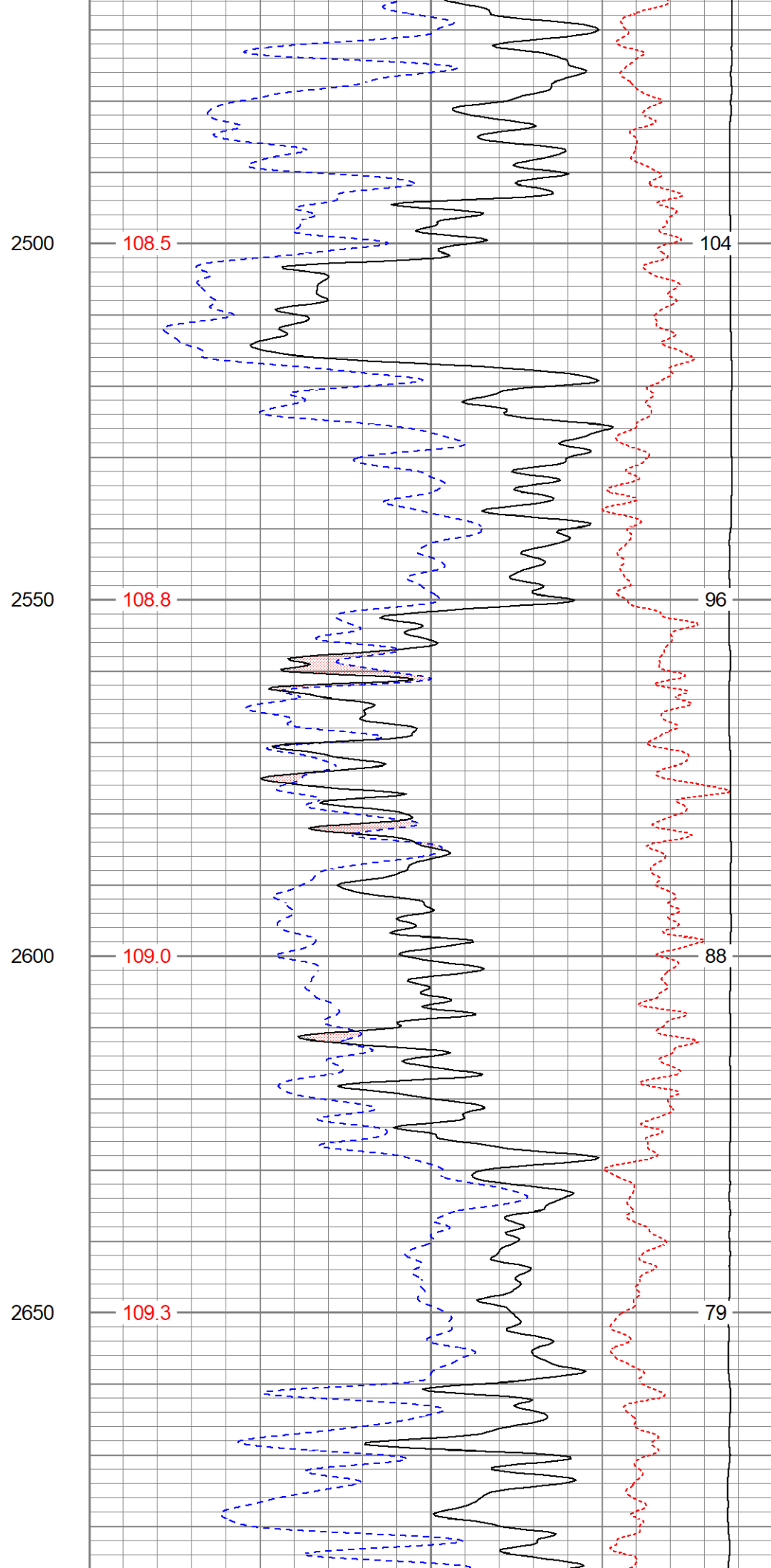
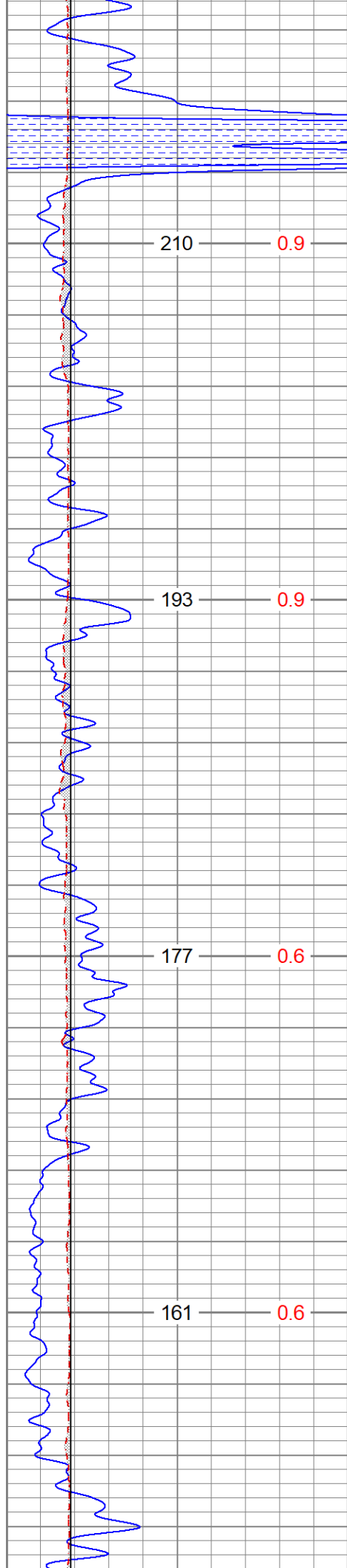


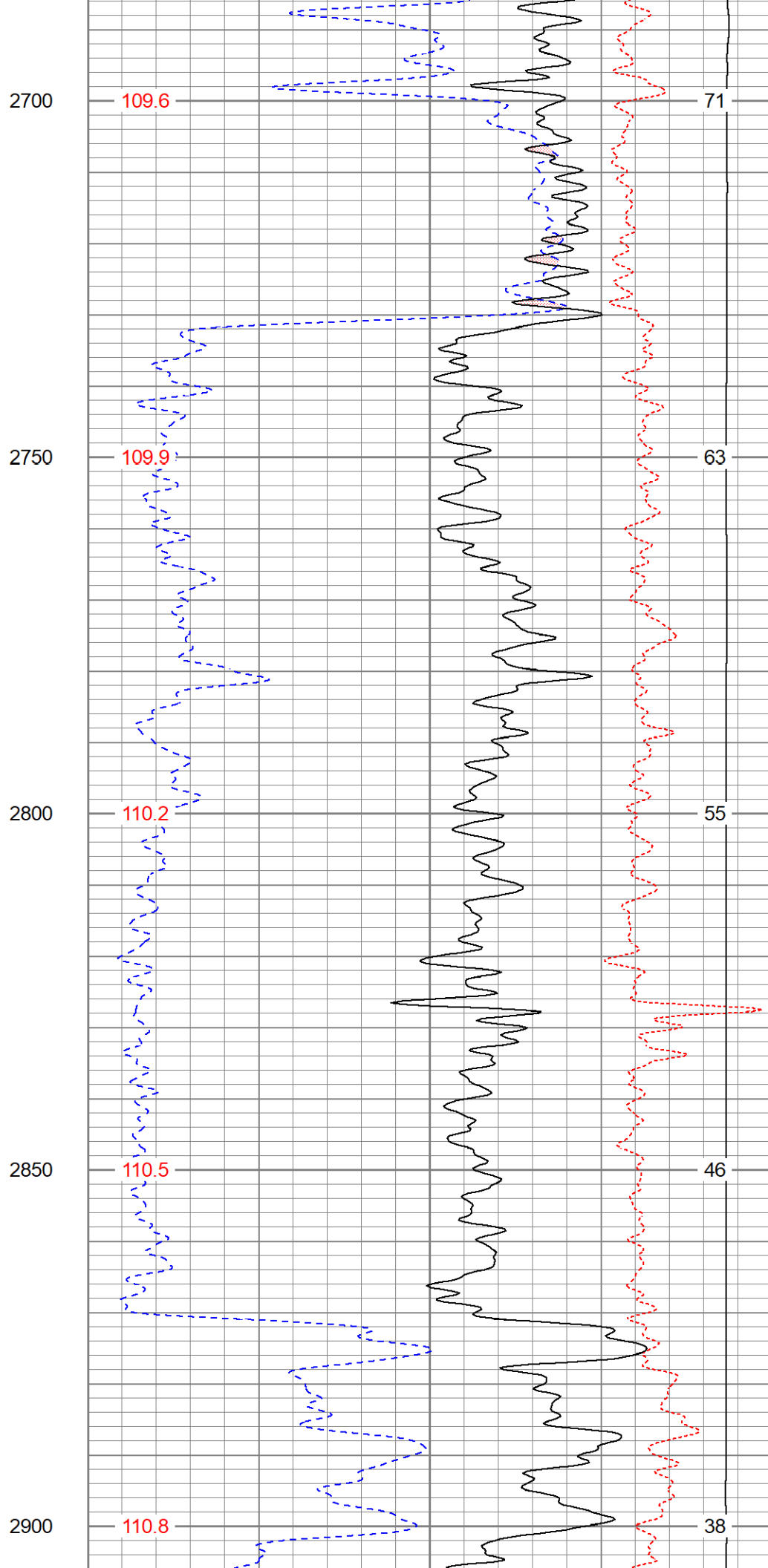
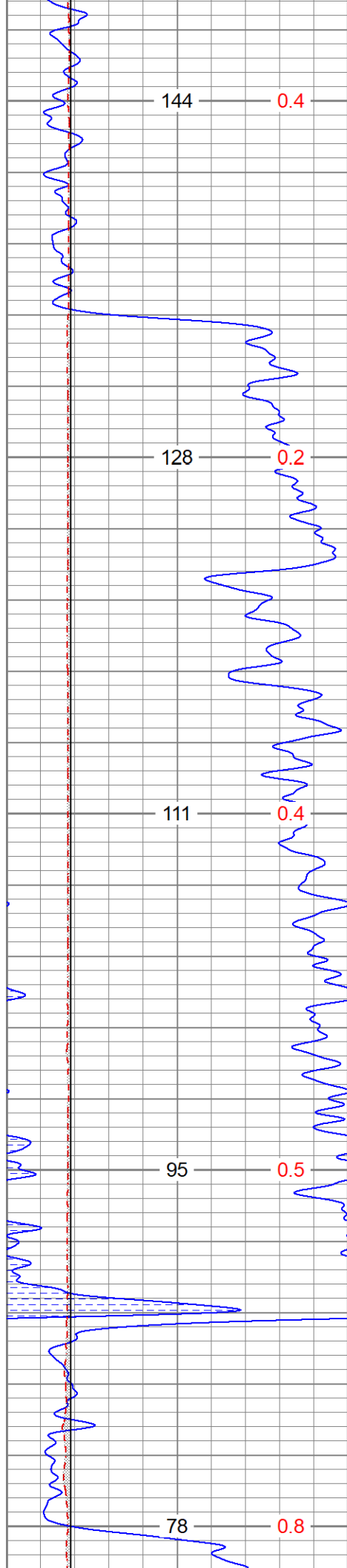
MAIN PASS

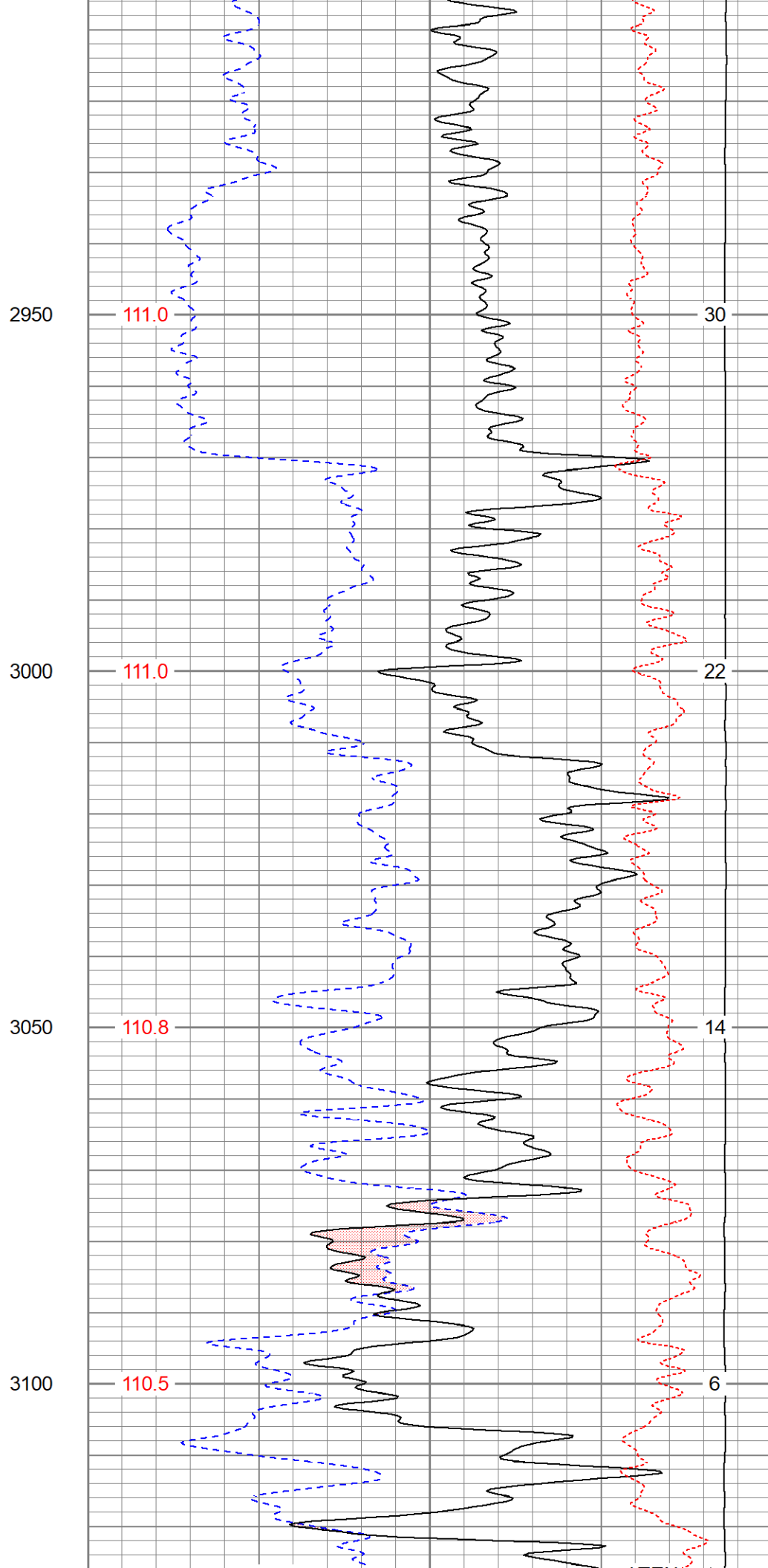
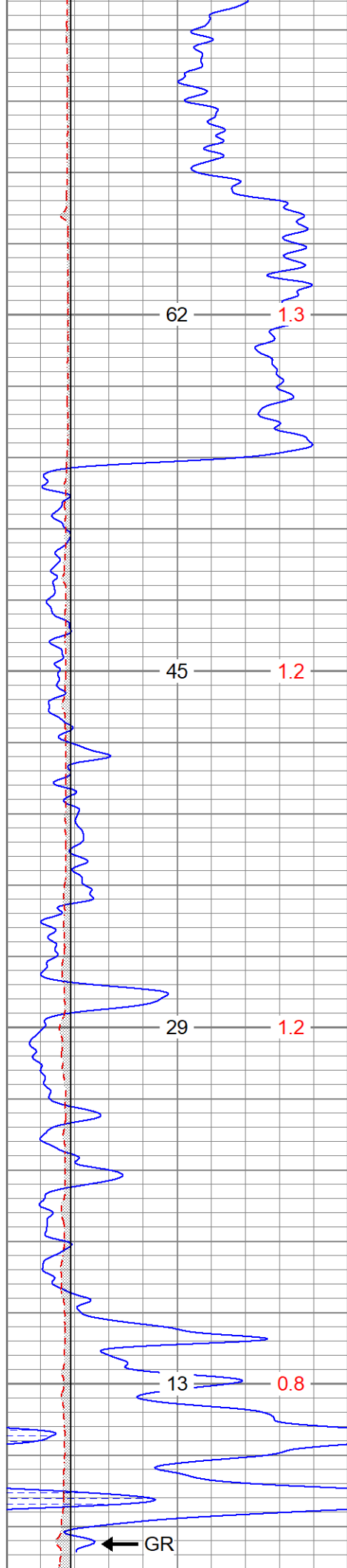
Database File	joffinney#3oh.db
Dataset Pathname	pass3.1
Presentation Format	digital_kcdnl
Dataset Creation	Mon Jun 24 11:36:15 2024
Charted by	Depth in Feet scaled 1:240

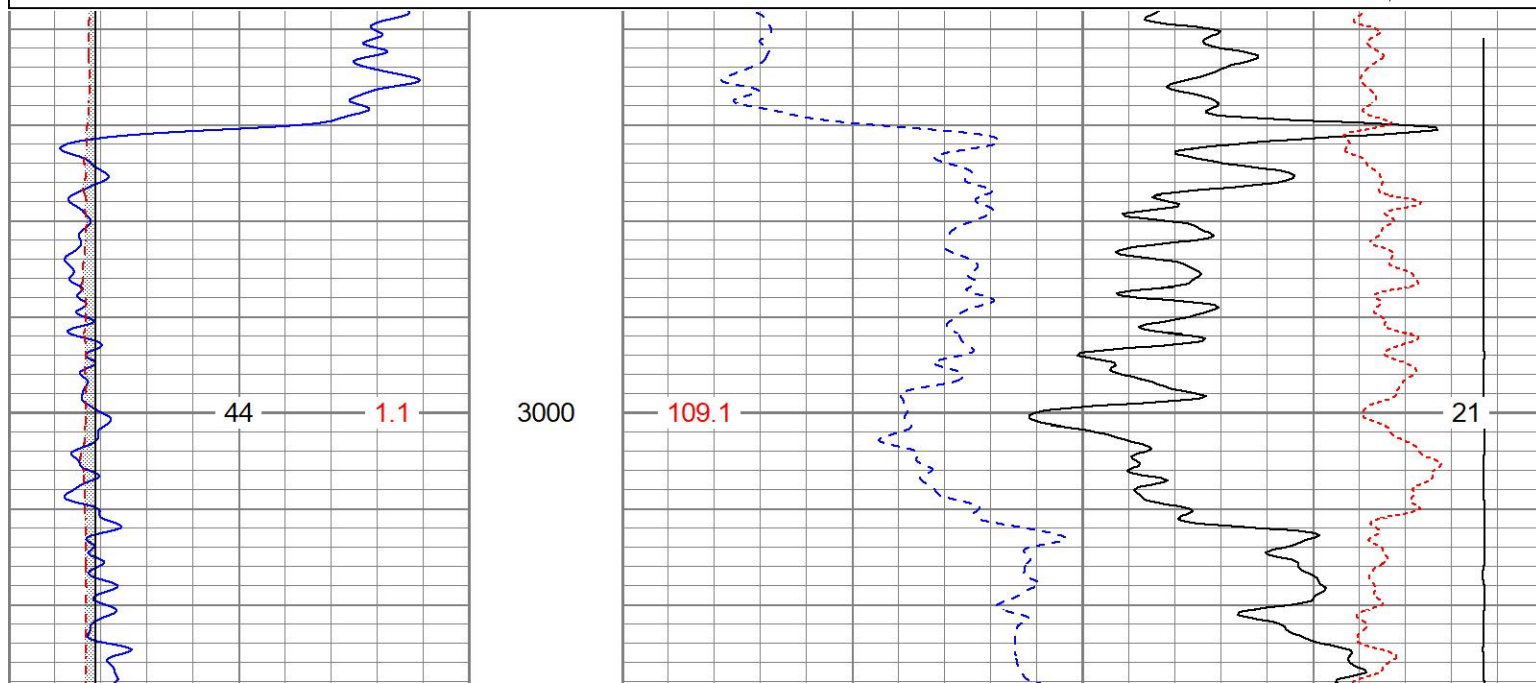
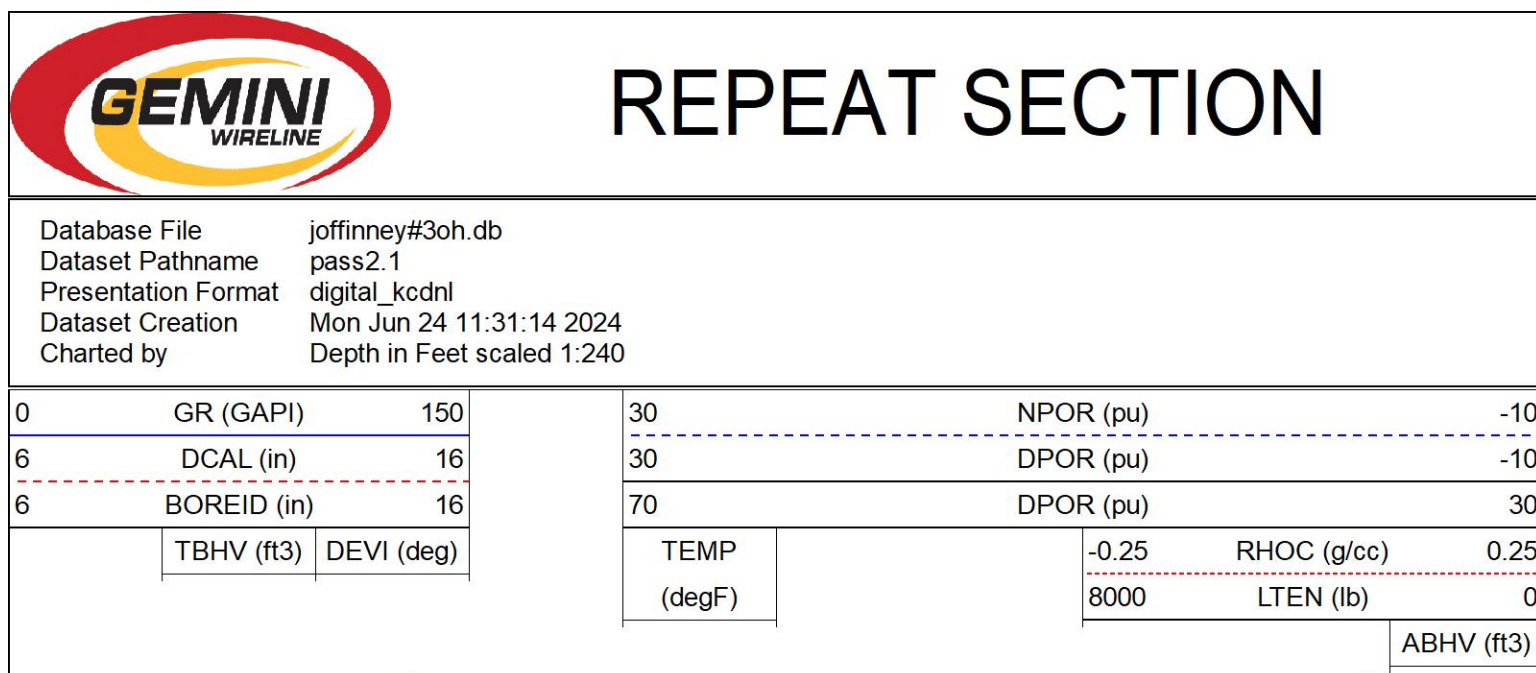
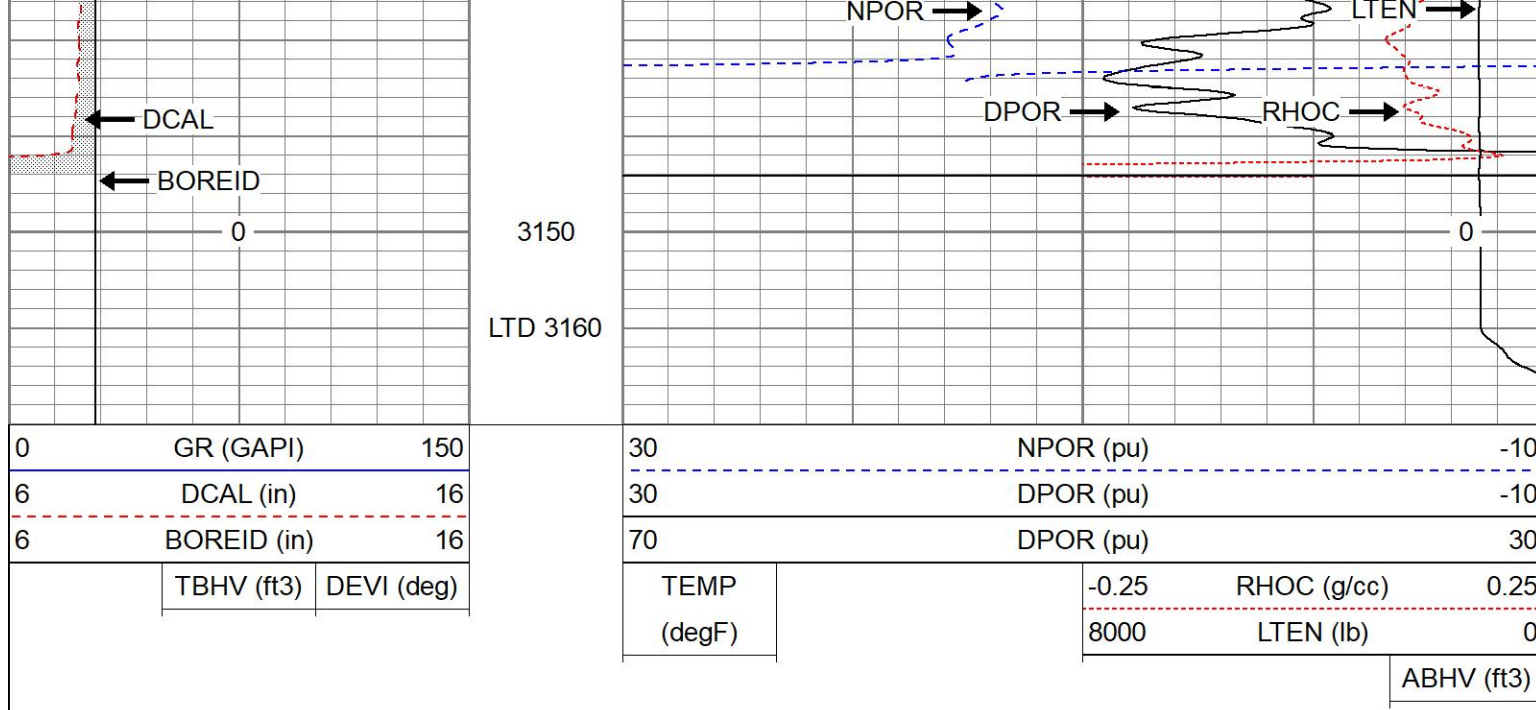
0	GR (GAPI)	150	30	NPOR (pu)	-10
6	DCAL (in)	16	30	DPOR (pu)	-10
6	BOREID (in)	16	70	DPOR (pu)	30
	TBHV (ft3)	DEVI (deg)	TEMP (degF)	-0.25	RHOC (g/cc) 0.25
				8000	LTEN (lb) 0
					ABHV (ft3)

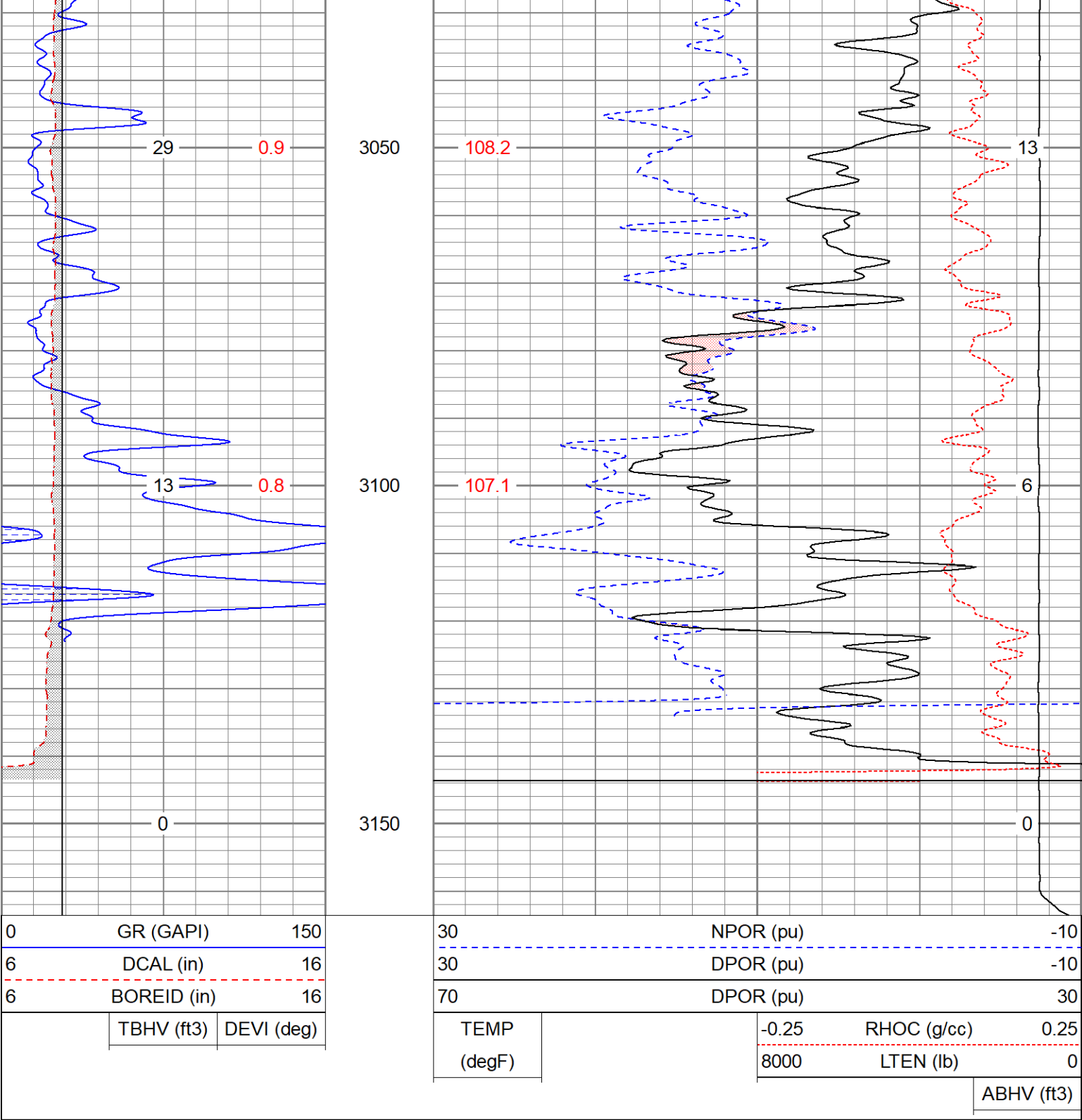












Calibration Report		
Database File	joffinney#3oh.db	
Dataset Pathname	pass3.1	
Dataset Creation	Mon Jun 24 11:36:15 2024	
Dual Induction Calibration Report		
Serial-Model:	1842-ADM	
Surface Cal Performed:	Mon Sep 20 22:00:42 2021	
Downhole Cal Performed:	Thu Sep 14 13:06:48 2023	
After Survey Verification Performed:	Thu Sep 14 13:02:29 2023	
Surface Calibration		
Readings	References	Results

Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.475	-9.896
Medium	0.003	0.769	V	0.000	400.000	mmho/m	522.607	-1.745
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.240	-9.549
Medium	0.003	0.768	V	0.000	550.000	mmho/m	718.637	-2.088

Downhole Calibration								
Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.210	349.810	mmho/m	-0.343	349.810	mmho/m	1.000	-0.133
Medium	6.952	396.760	mmho/m	-0.226	399.745	mmho/m	1.026	-7.360
Shallow	2.495	0.026	V	500.000	2.000	Ohm-m	201.711	-3.319

After Survey Verification								
Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	32.030	5.643	mmho/m	1.000	-0.133
Medium	0.000	0.000	mmho/m	6.952	396.760	mmho/m	1.026	-7.360
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	2.000	barn	2520.00	1620.00	cps
Aluminium	3.000	barn	1926.00	1699.00	cps
Aluminium+Sleeve	5.000	barn	915.00	1230.00	cps
M = 0.370			B = -0.079	R = 0.999	
	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:	Sat Apr 6 22:30:37 2024	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps