



LITHO DENSITY
NEUTRON
LOG

Company MG OIL, INC.
Well LAWRENCE #15-3
Field N&J EAST
County LANE
State KS

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Well LAWRENCE #15-3
Field N&J EAST
County LANE State KS

Location: 1250' FSL & 2142' FEL
API #: 15 101 22667
SEC 15 TWP 16S RGE 28W
Permanent Datum Ground Level Elevation 2623
Log Measured From KB 9' AGL
Drilling Measured From KB
Other Services
DIL
ML/SO
Elevation
K.B. 2632
D.F. 2630
G.L. 2623

Date	2/26/22
Run Number	One
Depth Driller	4525
Depth Logger	4525
Bottom Logged Interval	4505
Top Log Interval	3500
Casing Driller	8 5/8" @ 251'
Casing Logger	251
Bit Size	7 7/8"
Type Fluid in Hole	Chemical
Density / Viscosity	9.1/57
pH / Fluid Loss	11.0/7.2
Source of Sample	Pit
Rm @ Meas. Temp	.8@60degf
Rmf @ Meas. Temp	.6@60degf
Rmc @ Meas. Temp	.96@60degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	.43@110degf
Time Circulation Stopped	7 A.M.
Time Logger on Bottom	9:30 AM
Maximum Recorded Temperature	110degf
Equipment Number	T605
Location	Hays, KS
Recorded By	GUS PFANENSTIEL
Witnessed By	CHAD COUNTS

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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

SHIELDS NORTH 4 MILES, EAST TO CURVE SOUTH INTO.

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

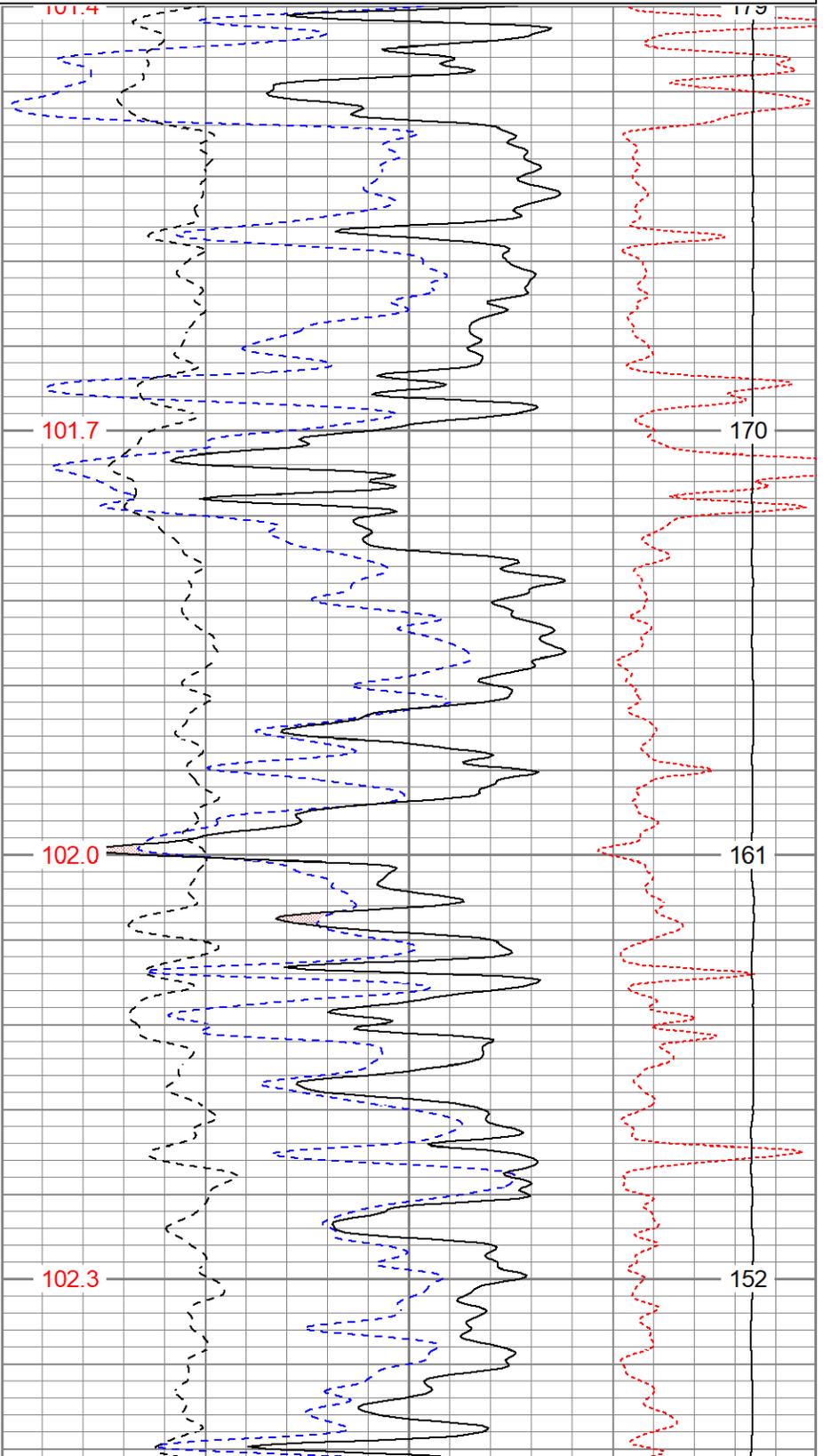
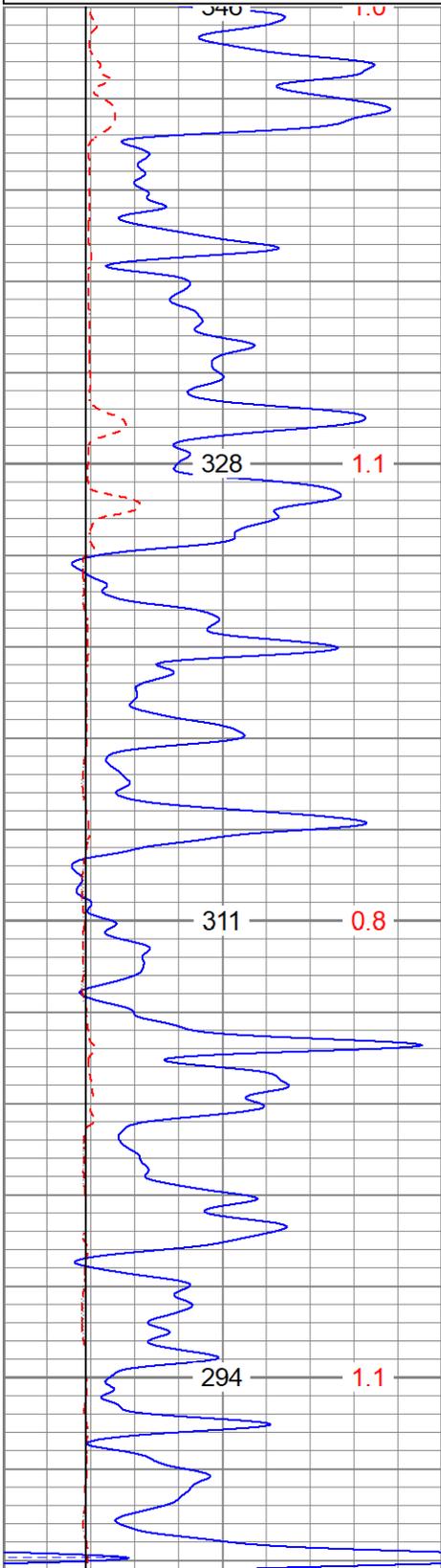


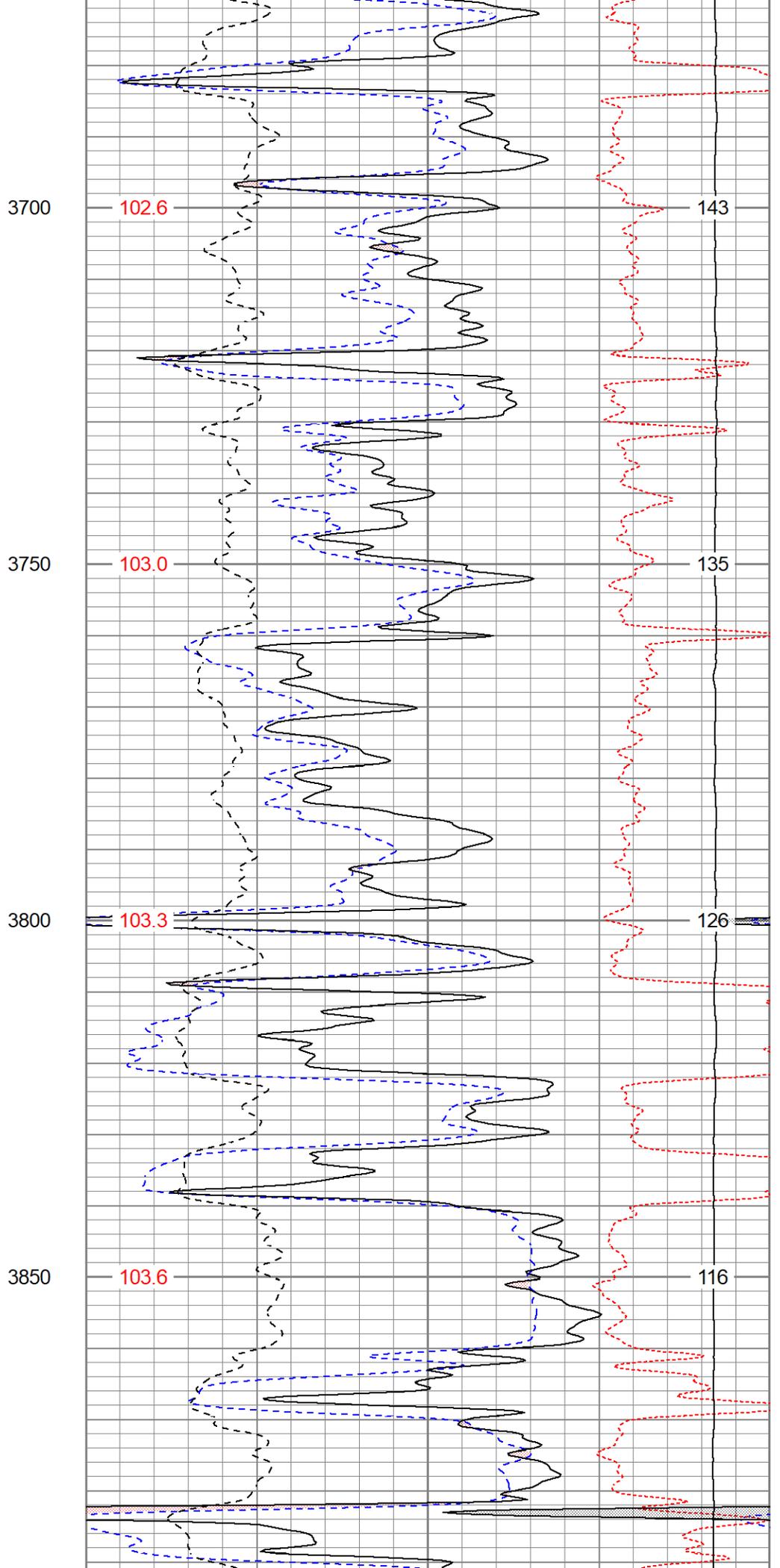
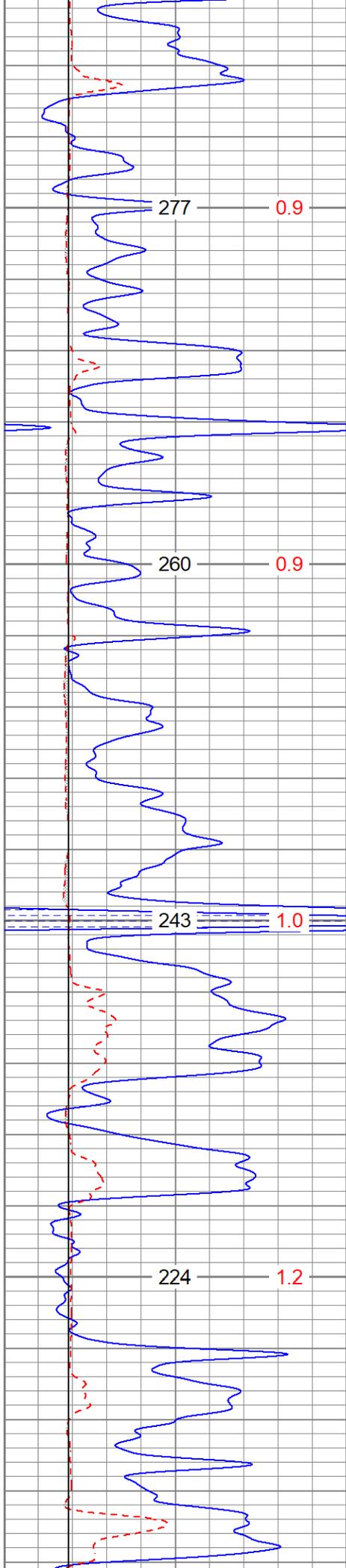
MAIN PASS

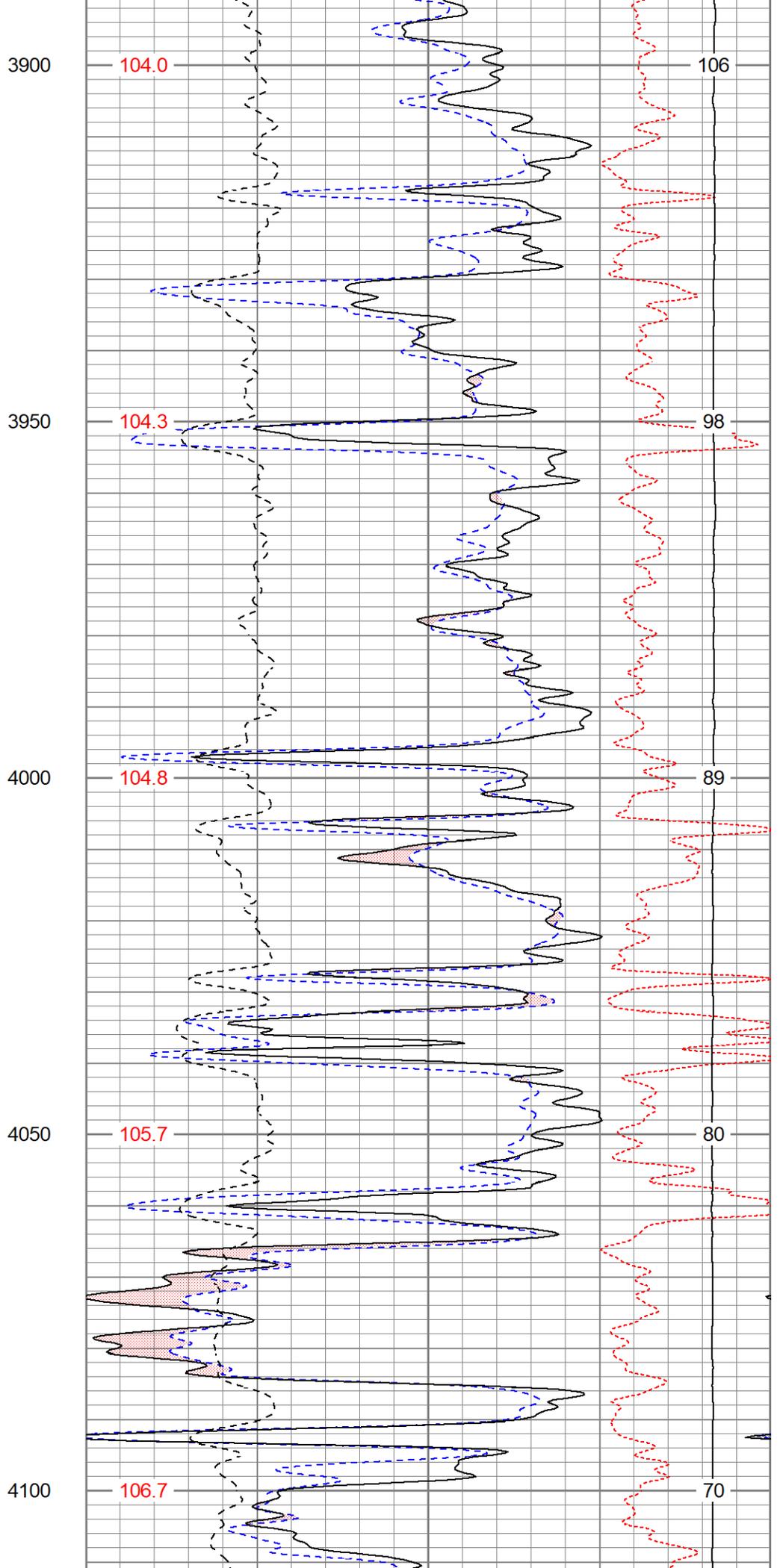
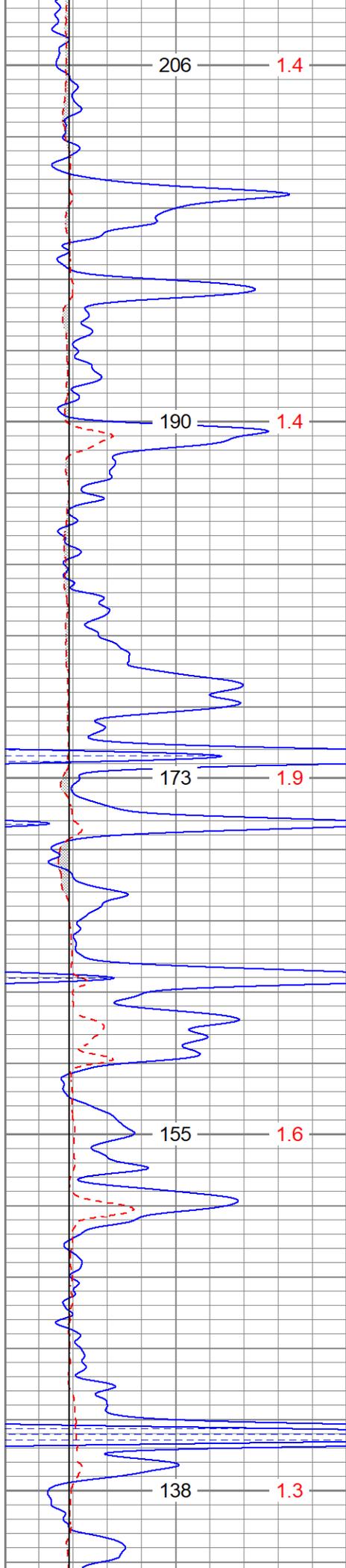
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 Presentation Format digital_kcdnl
 Dataset Creation Sat Feb 26 12:32:26 2022
 Charted by Depth in Feet scaled 1:240

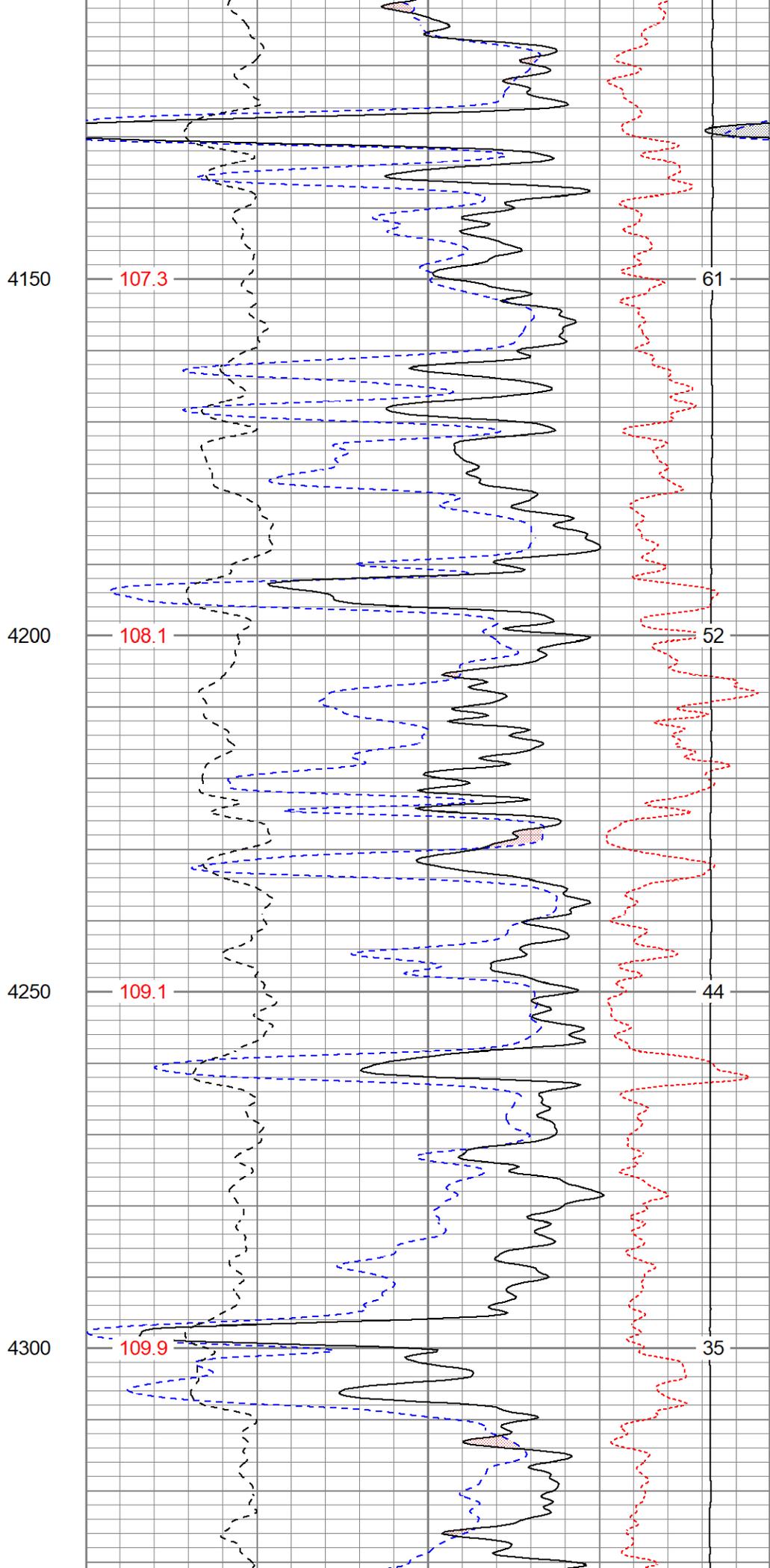
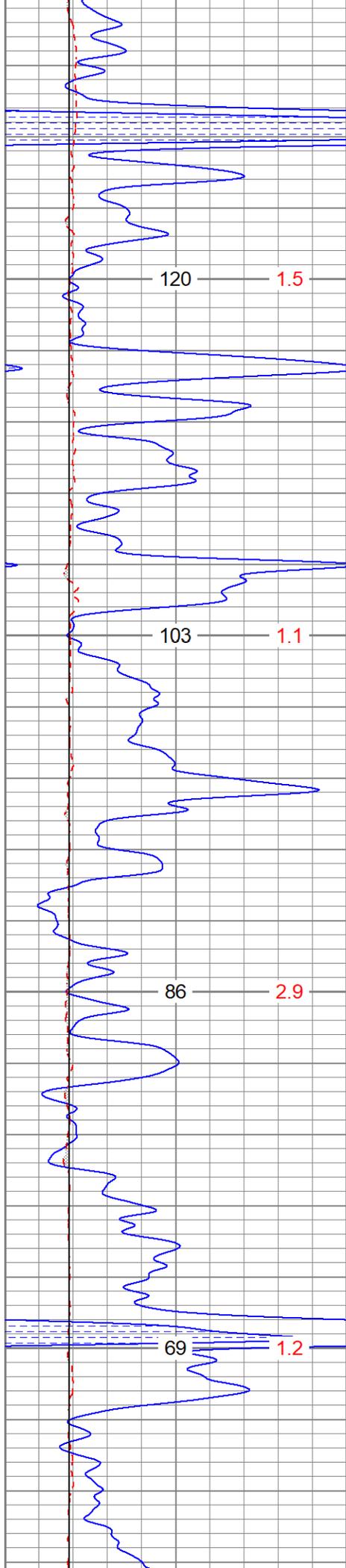
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

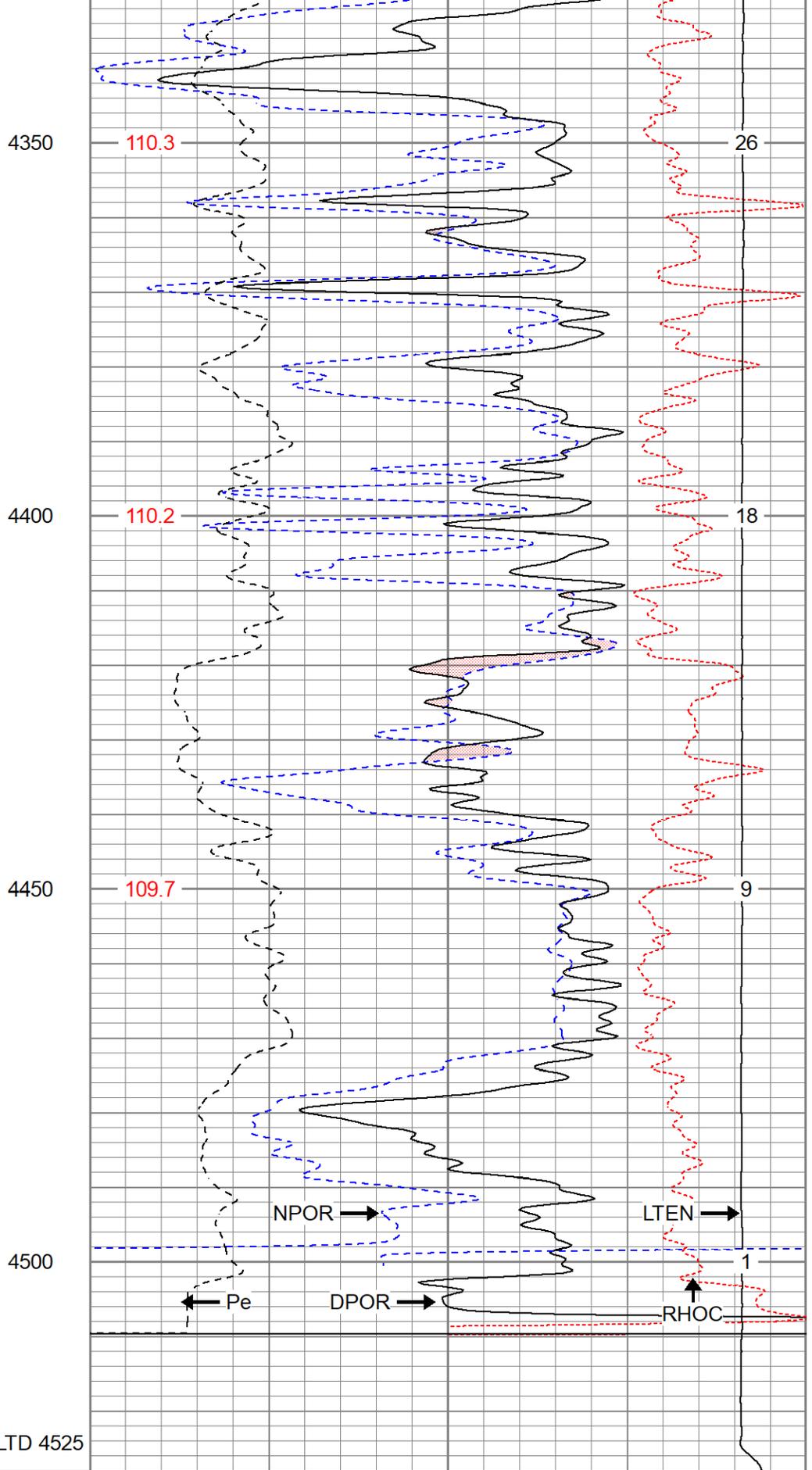
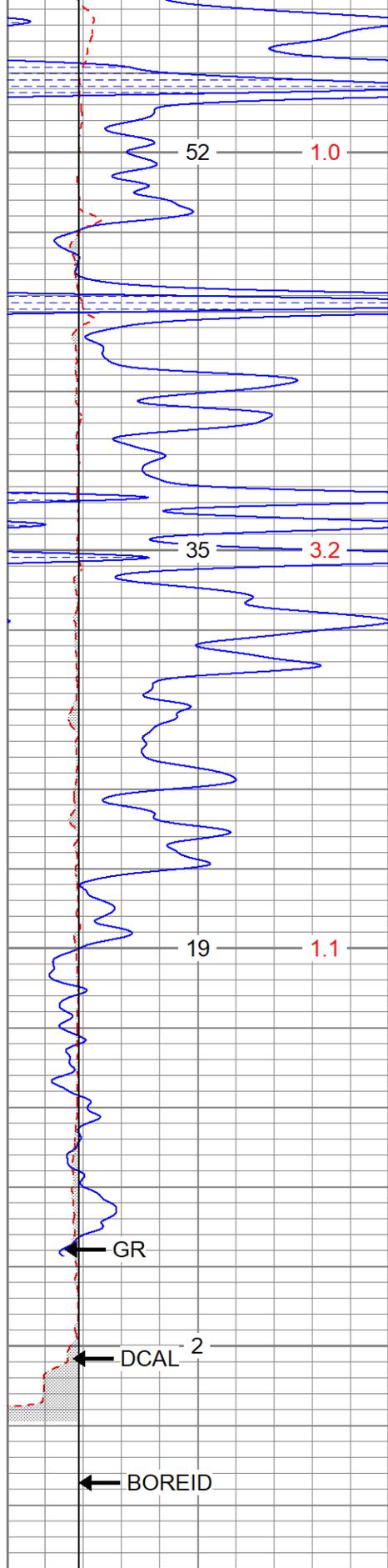
30	NPOR (pu)	-10			
30	DPOR (pu)	-10			
70	DPOR (pu)	30			
0	Pe (barn)	10	-0.25	RHOC (g/cc)	0.25
	TEMP (degF)	8000		LTEN (lb)	0
					ABHV (ft3)











LTD 4525

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
0	Pe (barn)	10 -0.25
	TEMP	8000
	RHOC (g/cc)	0.25
	LTEN (lb)	0

(degF)

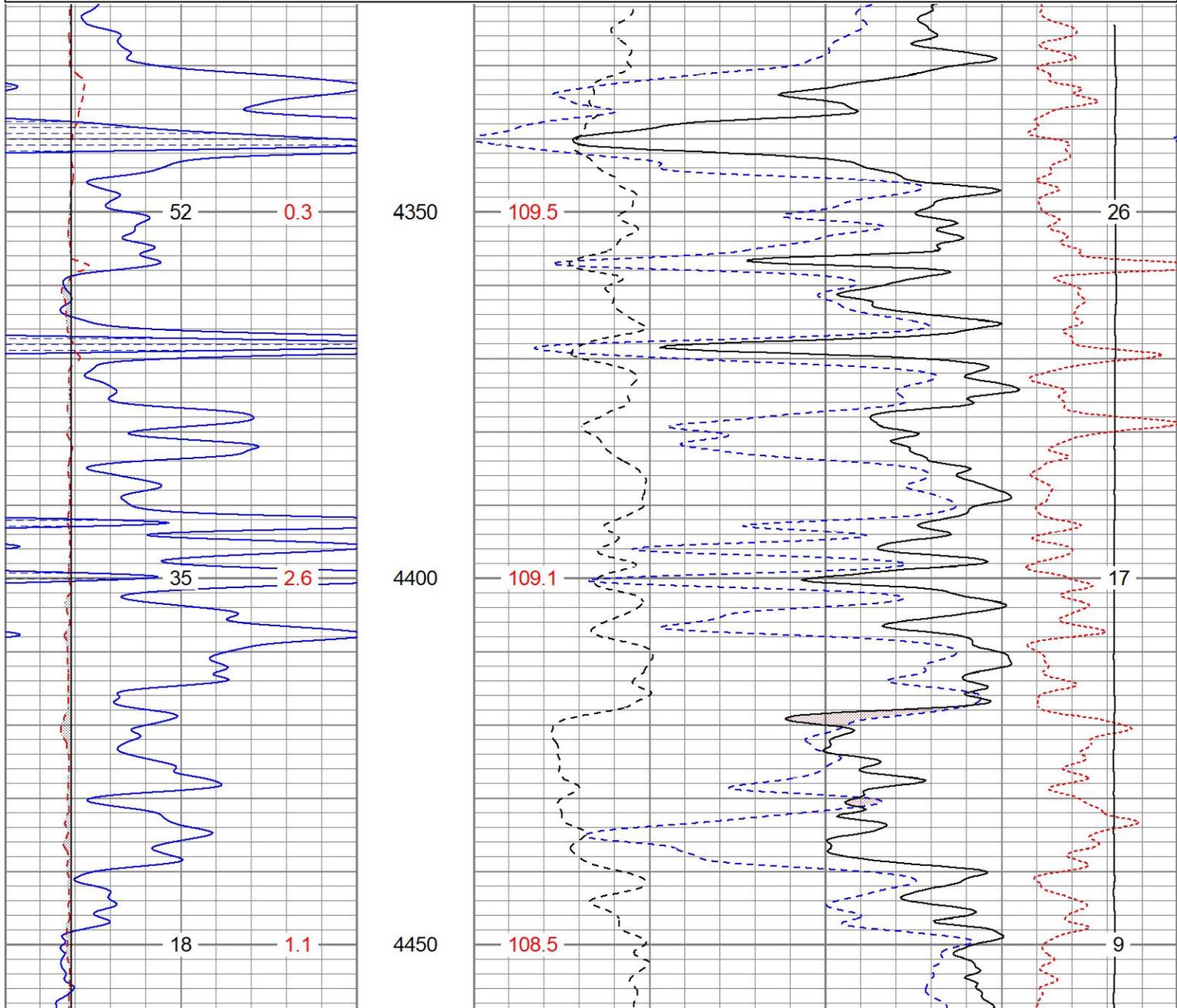
ABHV (ft3)



REPEAT SECTION

Database File mglawrence#15-3oh.db
 Dataset Pathname pass3.1
 Presentation Format digital_kcdnl
 Dataset Creation Sat Feb 26 12:50:26 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)	0	Pe (barn)	10 -0.25
					RHOC (g/cc) 0.25
				TEMP (degF)	8000
					LTEN (lb) 0
					ABHV (ft3)



After Survey Verification

Internal:	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.219	349.905	mmho/m	1.000	-3.124
Medium	0.000	0.000	mmho/m	-0.118	399.722	mmho/m	1.000	-3.108
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 Oct 20 08:37:42 2020

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.670	g/cc	6640.15	4353.97	cps
Aluminium	2.640	g/cc	1651.98	2729.31	cps
Aluminium+Sleeve	2.640	g/cc	1651.98	2729.31	cps
Spine Angle = 71.44			Density/Spine Ratio = 0.661		
	PE		NLITH	NHARD	
Magnesium	1.900	barn	1410.00	1000.00	cps
Aluminium	2.400	barn	1101.00	918.50	cps
Aluminium+Sleeve	5.000	barn	656.00	951.00	cps
M = 0.448			B = -0.112	R = 0.999	
	Size		Reading		
Small Ring	8.30	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

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 May 5 19:21:08 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps