



**MICRO
RESISTIVITY
LOG**

Company PATTERSON ENERGY, LLC. Well Roesler C #10 Field BLOOMER County RICE State Kansas	Company PATTERSON ENERGY, LLC. Well Roesler C #10 Field BLOOMER County RICE State Kansas
Location: 2270' FSL & 1860' FWL API # : 15 159 22881	Other Services DIL CDNL
Permanent Datum SEC 5 TWP 18S RGE 10W Log Measured From Ground Level Elevation 1777' KB 8' AGL Drilling Measured From KB	Elevation K.B. 1785' D.F. 1784' G.L. 1777'

Date	6/19/22
Run Number	One
Depth Driller	3270
Depth Logger	3272'
Bottom Logged Interval	3270'
Top Log Interval	2750'
Casing Driller	8 5/8" @ 393'
Casing Logger	393'
Bit Size	7 7/8"
Type Fluid in Hole	Chemical
Density / Viscosity	9.1/50
pH / Fluid Loss	9.5/8.8
Source of Sample	Calculated
Rm @ Meas. Temp	.8@70degf
Rmf @ Meas. Temp	.6@70degf
Rmc @ Meas. Temp	.96@70degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	.52@106degf
Time Circulation Stopped	8:30 p.m
Time Logger on Bottom	2:00 a.m
Maximum Recorded Temperature	106degf
Equipment Number	T-127
Location	Hays, KS
Recorded By	C.Patterson
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

CLAFLIN,KS EAST 4 MILES TO 2 RD, SOUTH 1/2 MI , EAST INTO.

 Thanks for using Gemini Wireline LLC
 785-625-1182

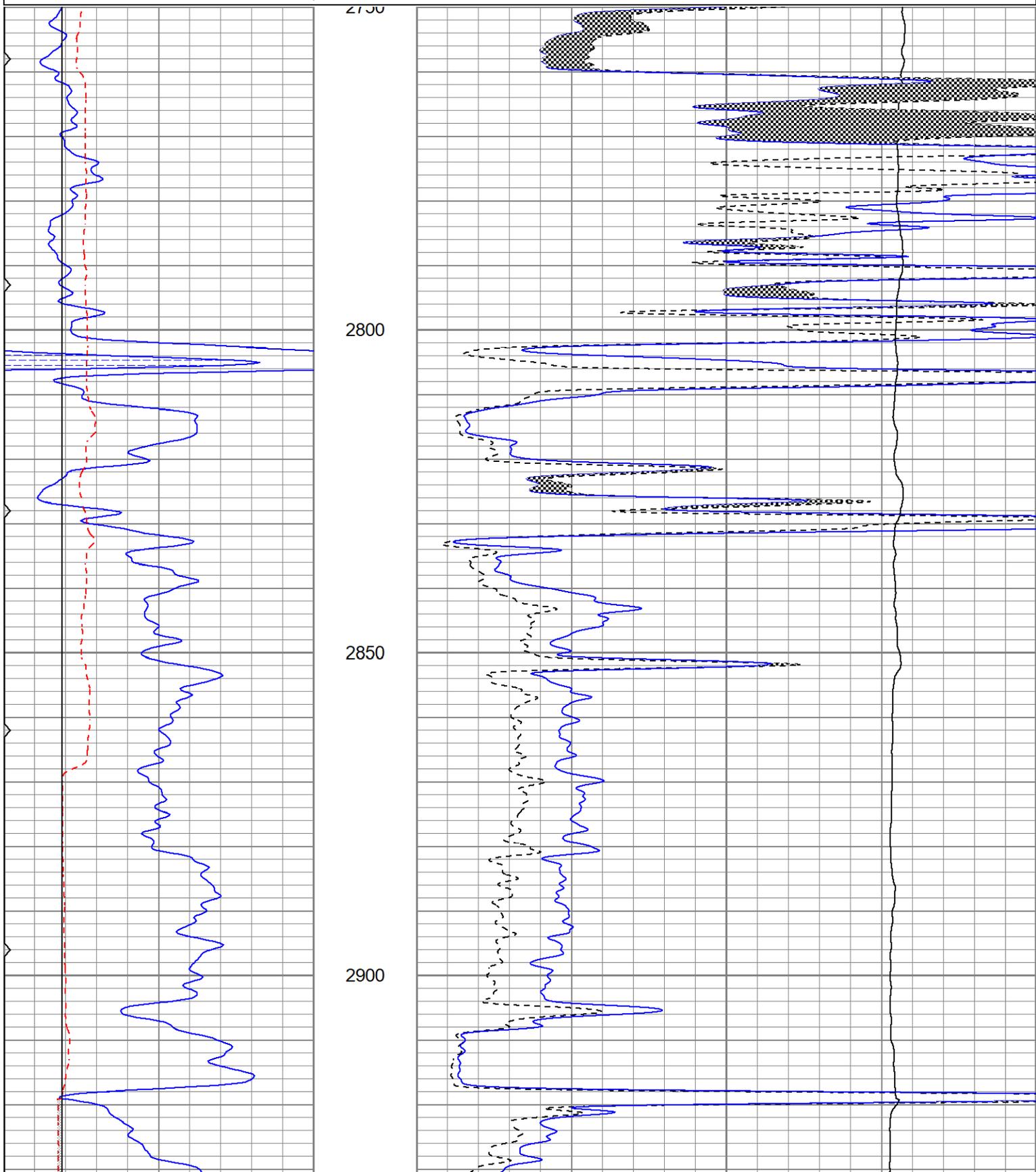


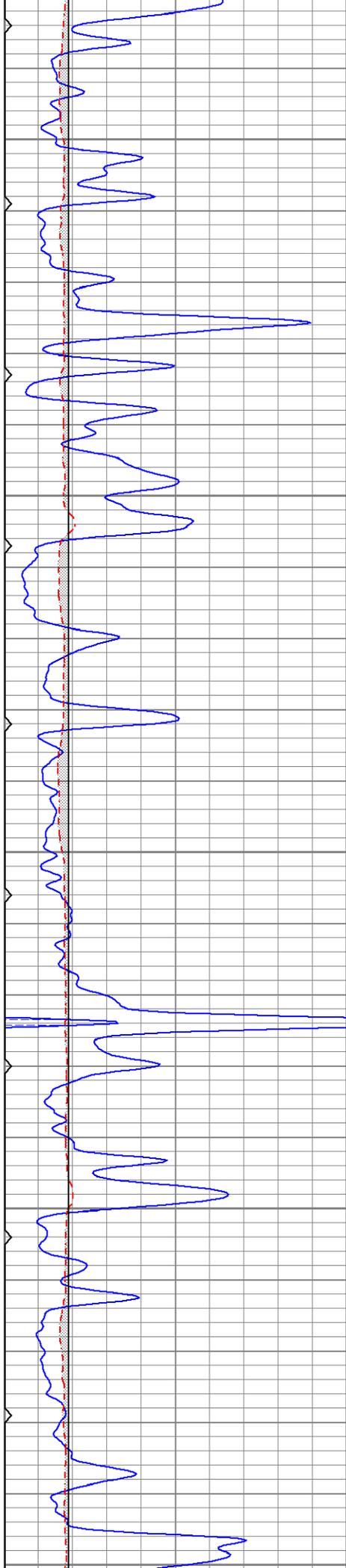
MAIN PASS

Database File peroeslerc10oh.db
 Dataset Pathname pass6.1
 Presentation Format kml
 Dataset Creation Sun Jun 19 03:14:03 2022
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50

0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0





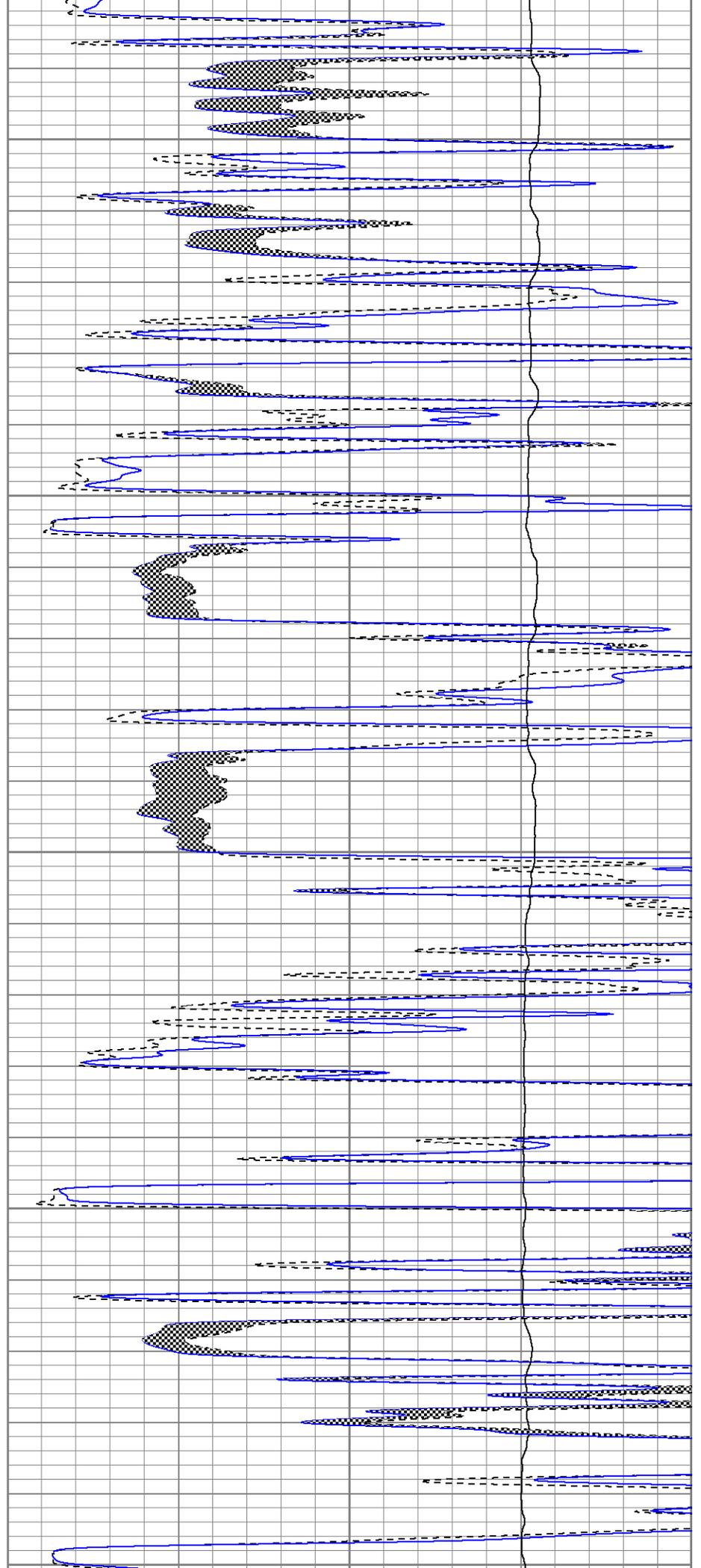
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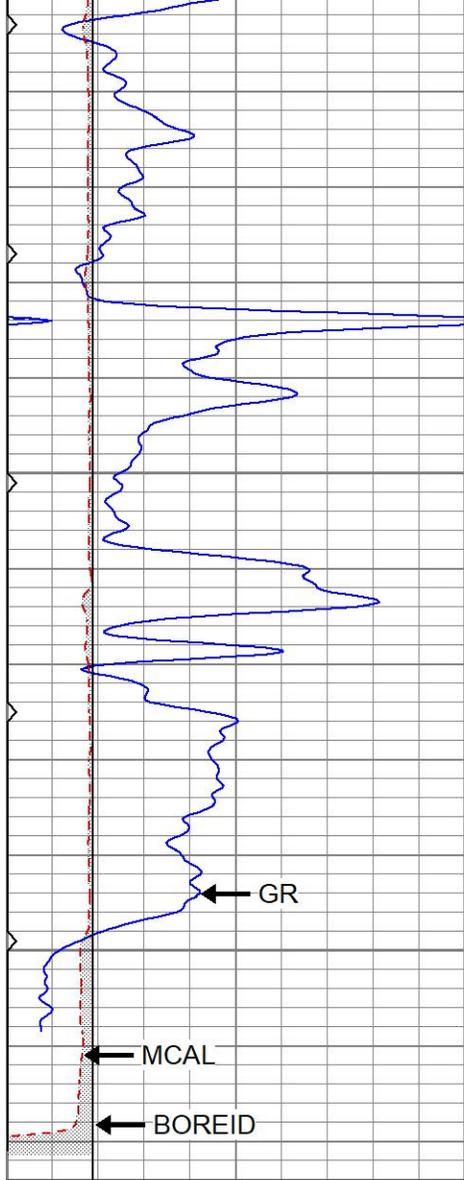
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3050

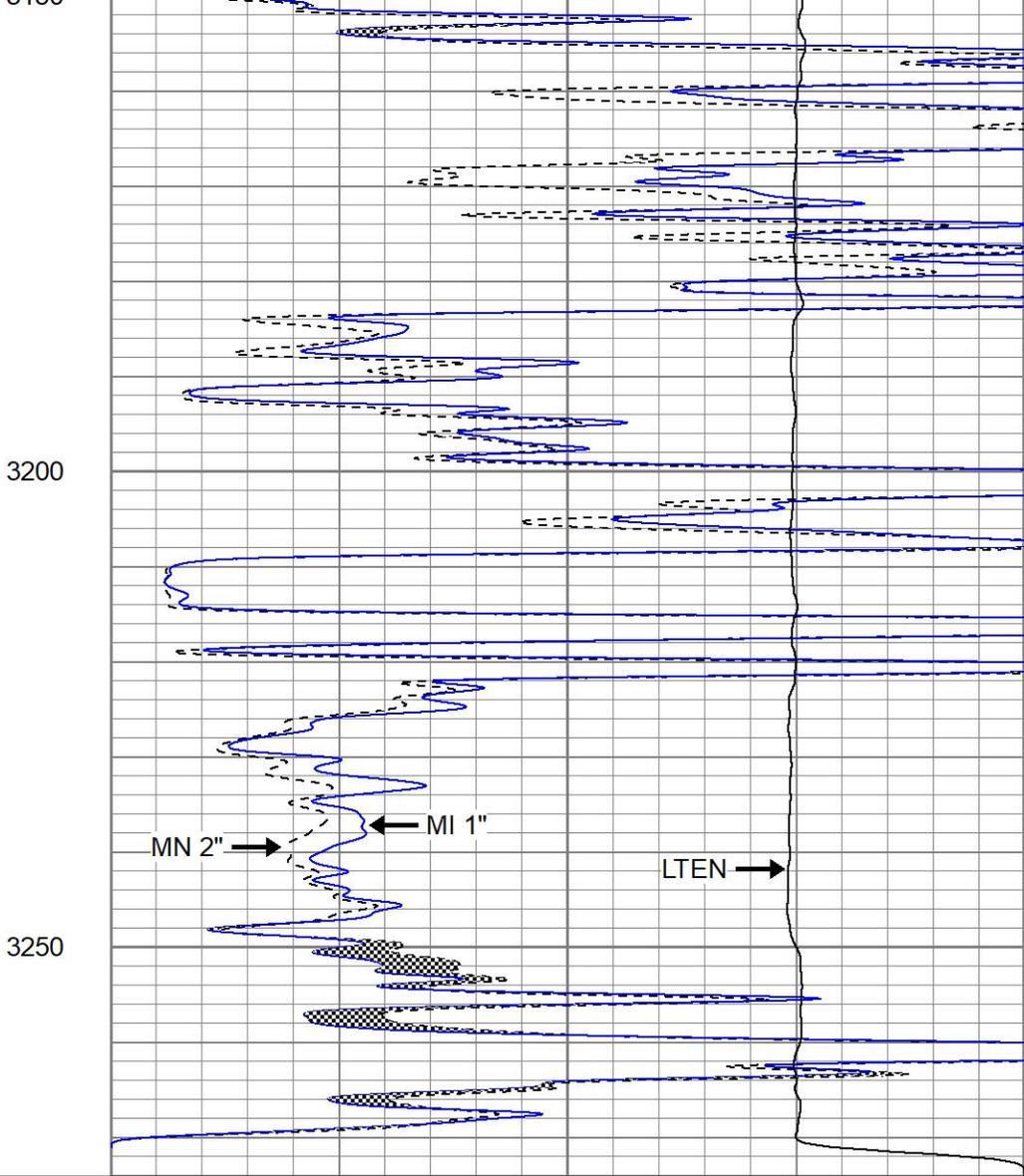
3100

3150





0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50



0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0

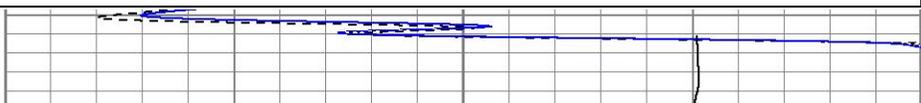
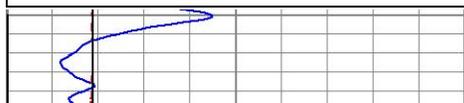


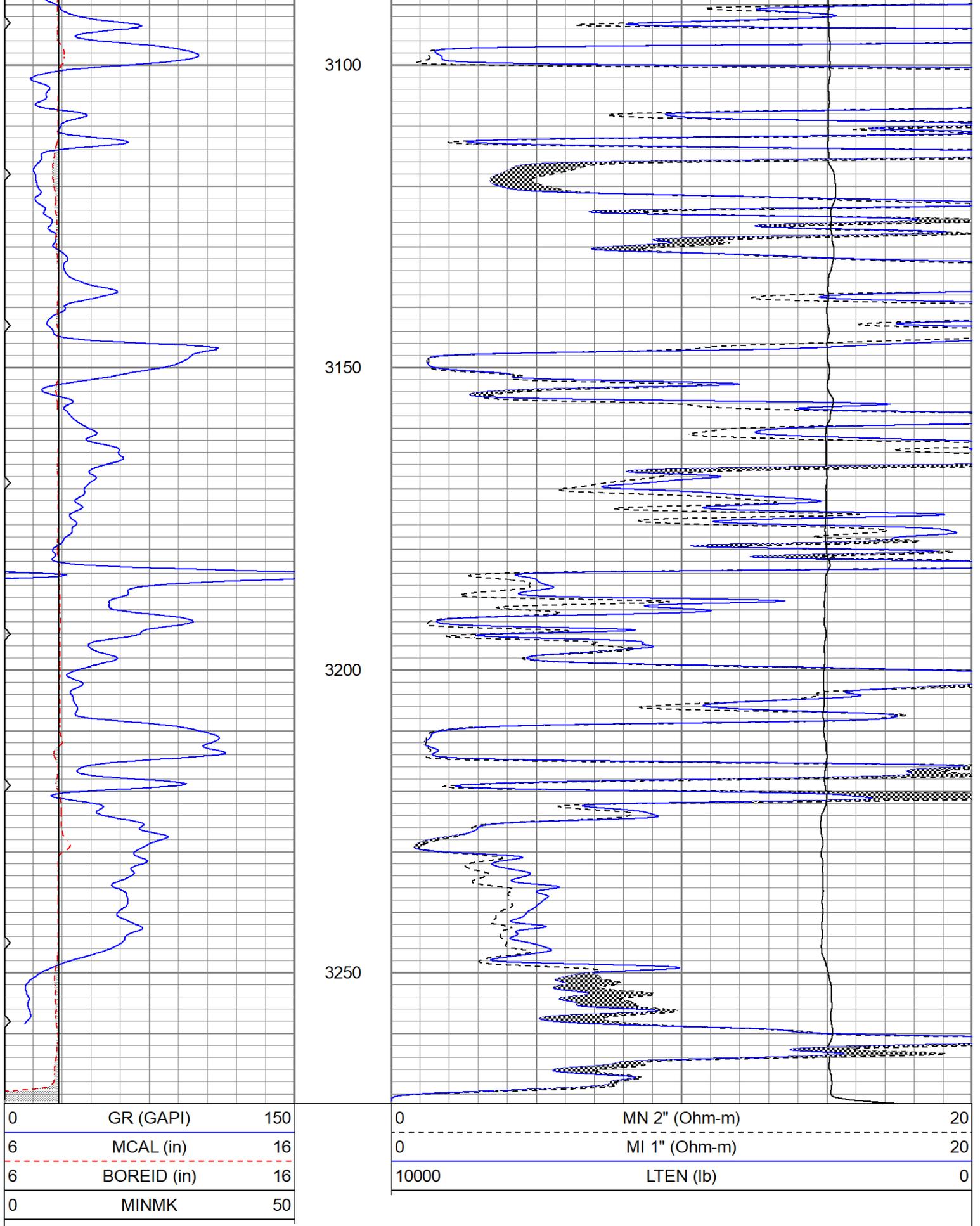
REPEAT SECTION

Database File peroeslerc10oh.db
 Dataset Pathname pass5.1
 Presentation Format kml
 Dataset Creation Sun Jun 19 02:39:39 2022
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50

0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0





Calibration Report

Database File peroeslerc10oh.db
 Dataset Pathname pass6

Microlog Calibration Report

Serial-Model: 9151-Gerhart
 Performed: Sun Jun 19 02:29:48 2022

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0014	0.4768	V	0.0000	10.0000	Ohm-m	21.0330	-0.0286
Inverse	0.0007	0.6146	V	0.0000	10.0000	Ohm-m	16.2886	-0.0109
Caliper	0.9057	2.2211	V	8.0000	15.0000	in	5.3215	3.1801

Gamma Ray Calibration Report

Serial Number: 2001
 Tool Model: OH
 Performed: Sat Sep 4 22:48:39 2021

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.8000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	10.63		CHD-None	0.75	1.50	5.00
MCAL	1.83		GR-OH (2001)	3.56	3.25	40.00
MI	1.83		ML-Gerhart (9151)	9.46	4.00	125.00
MN	1.83		Gerhart Micro			

Dataset: peroeslerc10oh.db: field/well/run1/pass6
 Total length: 13.77 ft
 Total weight: 170.00 lb
 O.D.: 4.00 in