



MICRO RESISTIVITY LOG

Company Mid-Continent Energy Corp.

Well White B #3

Field Stoltzenberg

County Ellsworth State KS

Location: API #: 15 053 21349

SEC 8 TWP 16S RGE 10W

Permanent Datum Ground Level Elevation 1851'

Log Measured From KB 11' AGL

Drilling Measured From KB

CDNL
ML

Elevation

K.B. 1862'

D.F. 1861'

G.L. 1851'

Date

1-16-17

Run Number

Two

Depth Driller

3400'

Depth Logger

3397'

Bottom Logged Interval

3395'

Top Log Interval

2400'

Casing Driller

336'

Casing Logger

336'

Bit Size

7 7/8"

Type Fluid in Hole

Chemical Mud

Density / Viscosity

9.1/45

pH / Fluid Loss

10/8.4

Source of Sample

Pit

Rm @ Meas. Temp

1.4@60degf

Rmf @ Meas. Temp

1.05@60degf

Rmc @ Meas. Temp

1.68@60degf

Source of Rmf / Rmc

Calculated

Rm @ BHT

.75@112degf

Time Circulation Stopped

1:30 p.m.

Time Logger on Bottom

5:00 p.m.

Maximum Recorded Temperature

112 degf

Equipment Number

T127

Location

Hays, KS.

Recorded By

Gus Pfannenstiel

Witnessed By

Mr. Eli Felts

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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

Thank you for using Gemini Wireline
785-625-1182

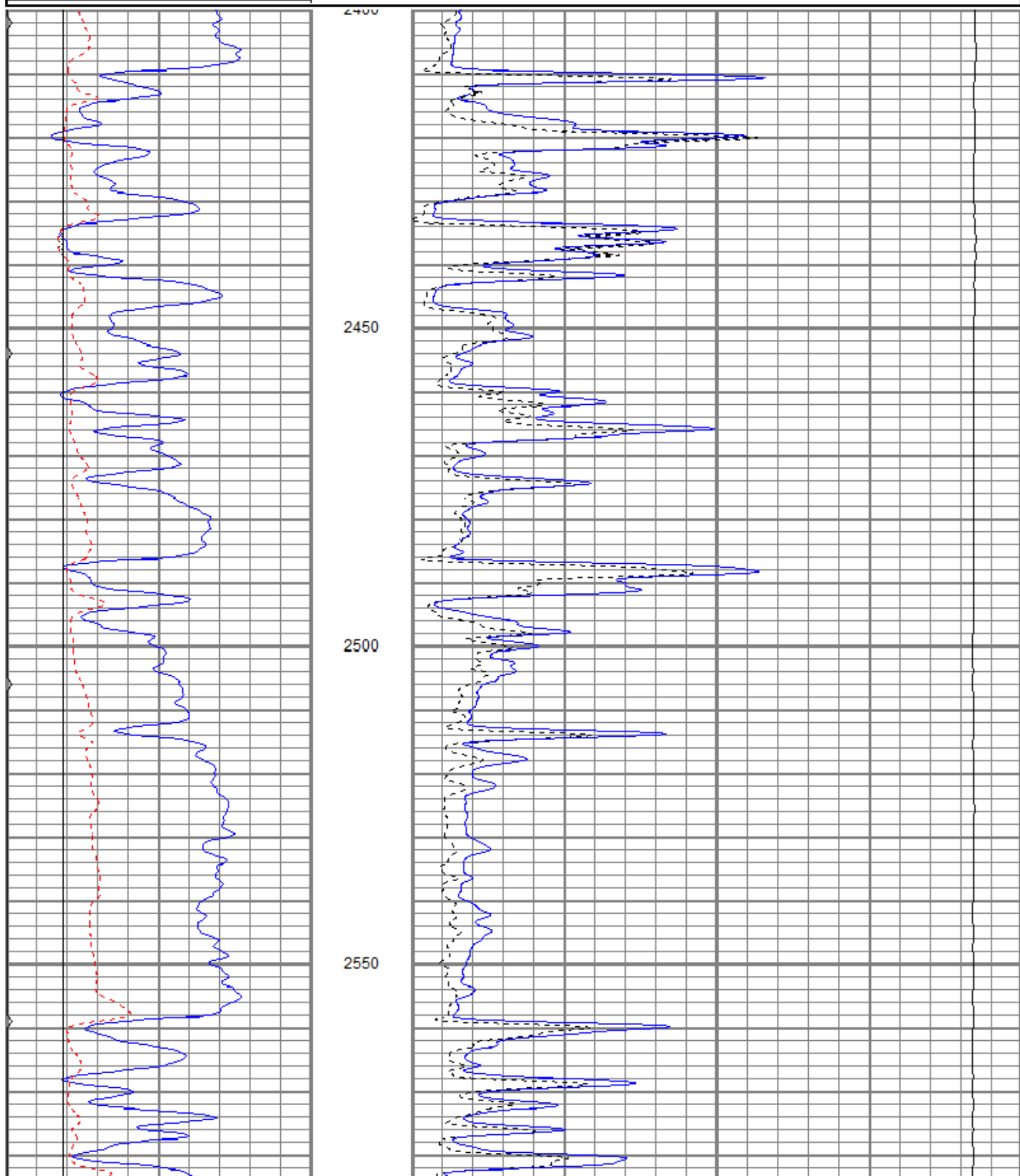


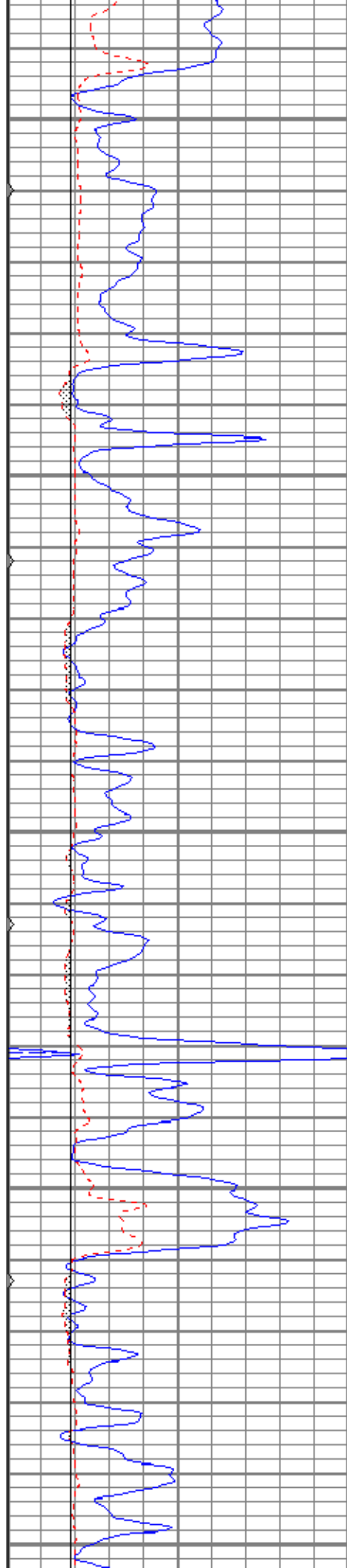
Main Pass

Database File mcewhiteb#3oh.db
 Dataset Pathname pass4.1
 Presentation Format kml
 Dataset Creation Mon Jan 16 17:44:59 2017
 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





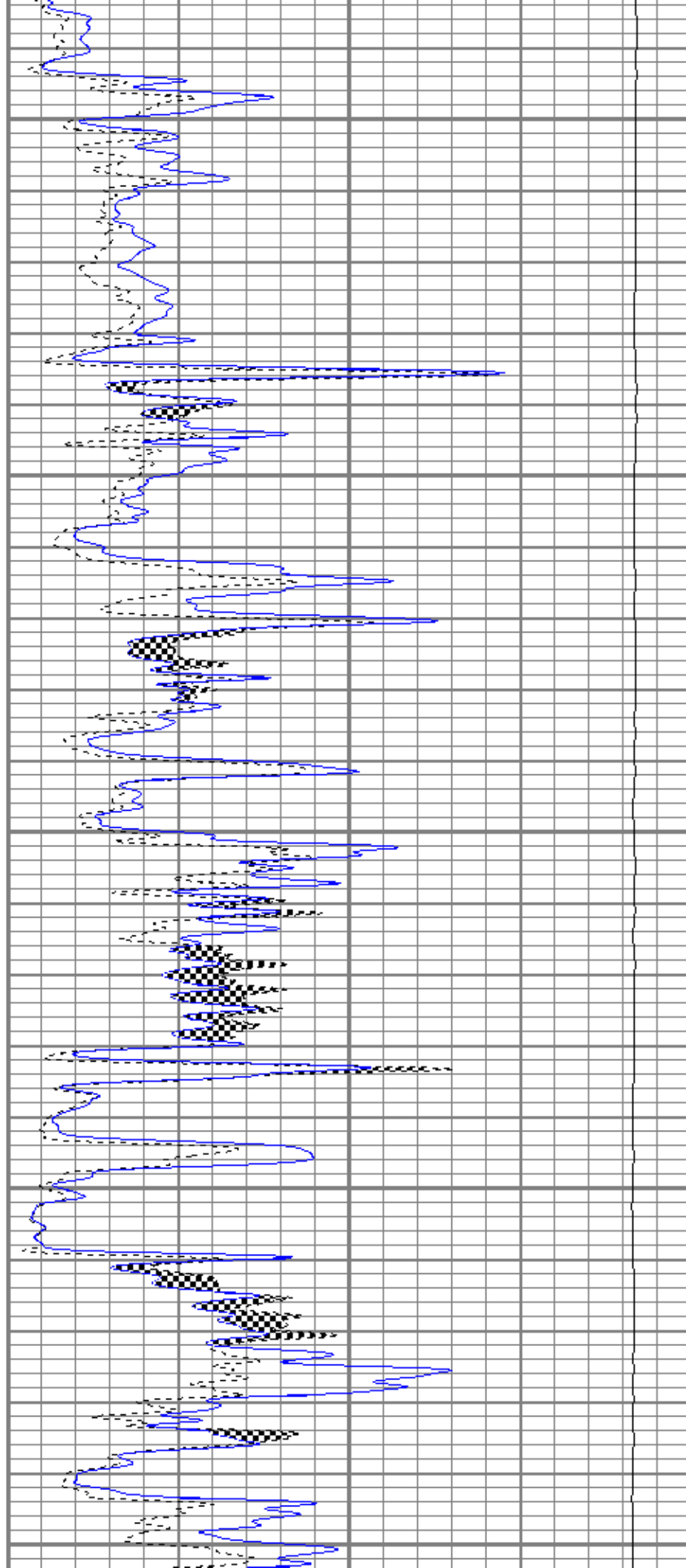
2600

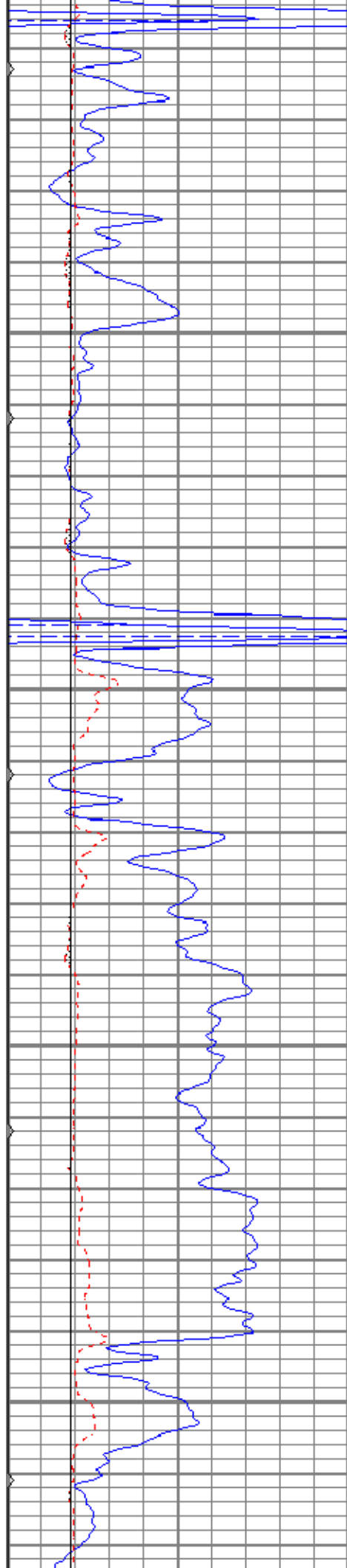
2650

2700

2750

2800



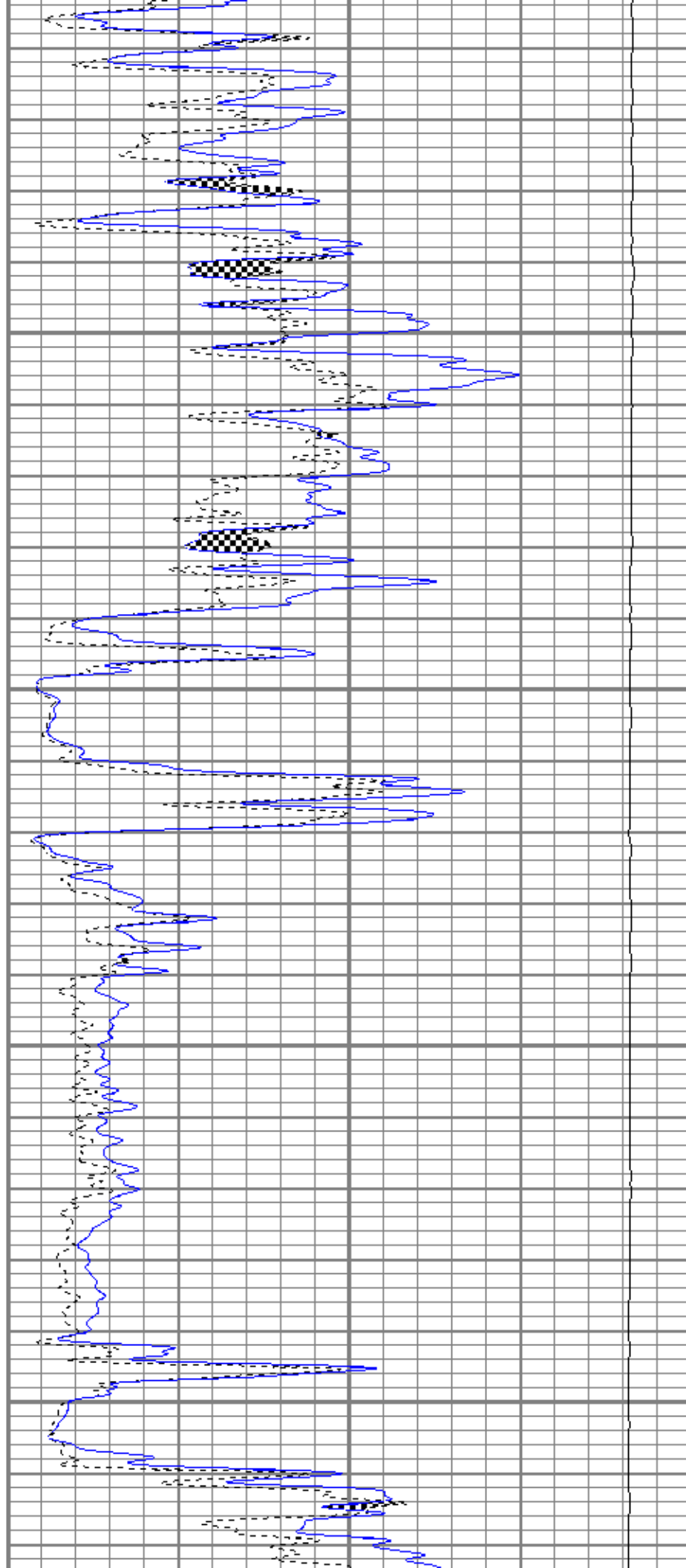


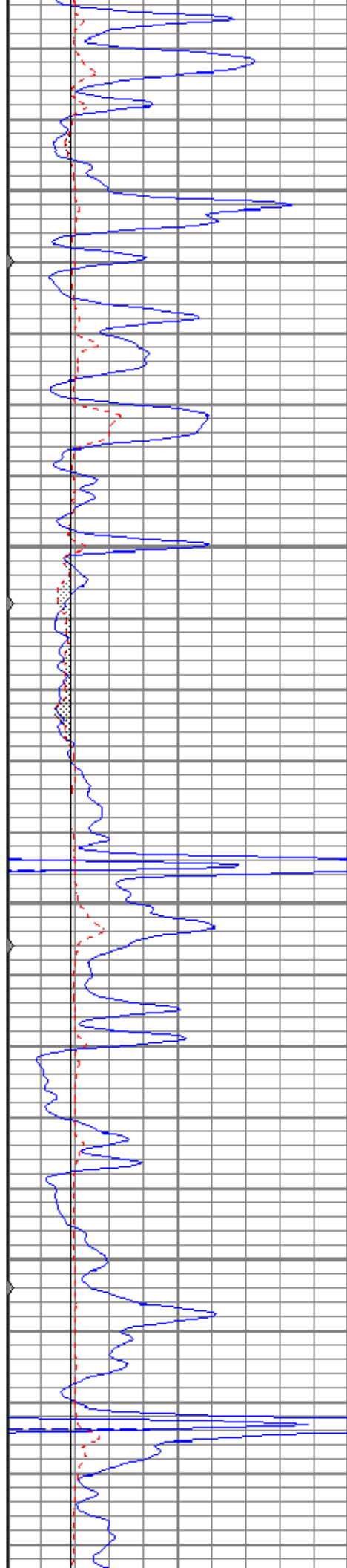
2850

2900

2950

3000



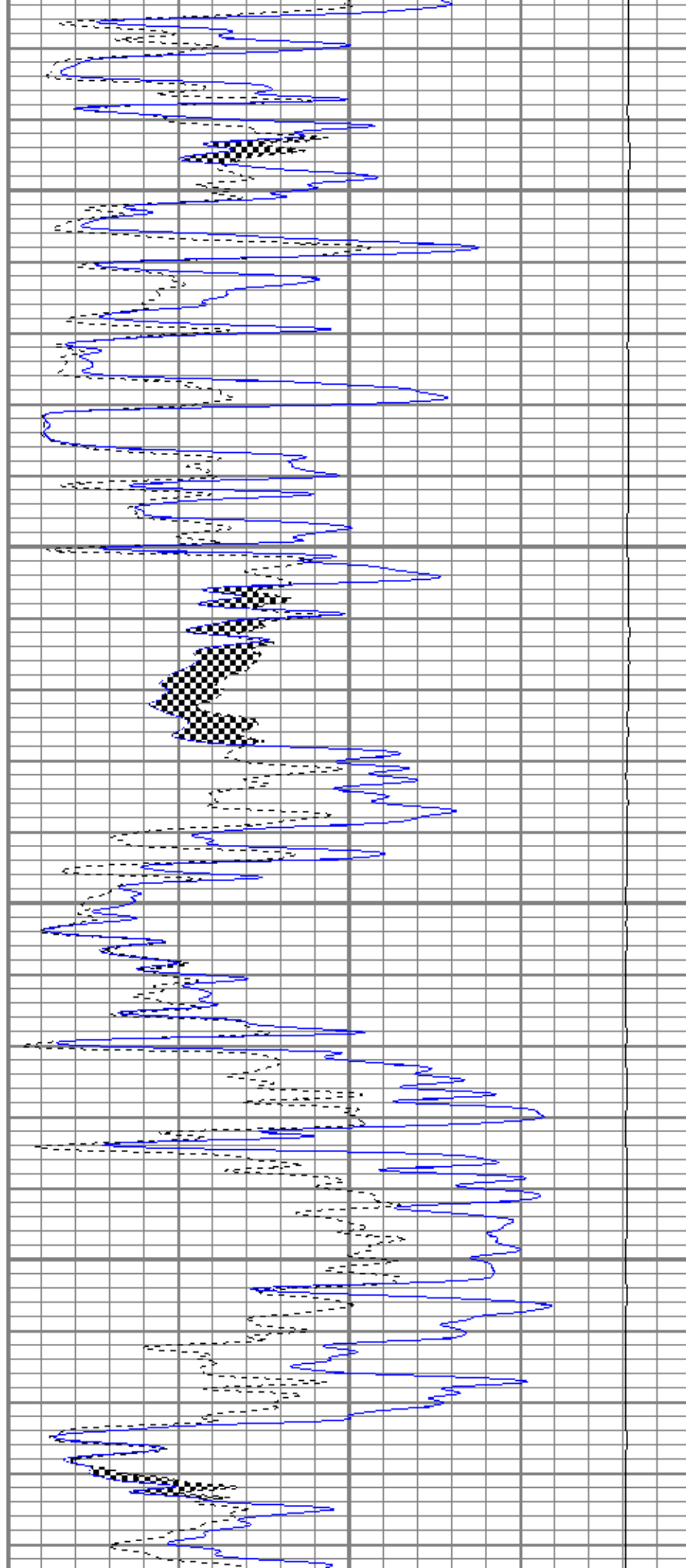


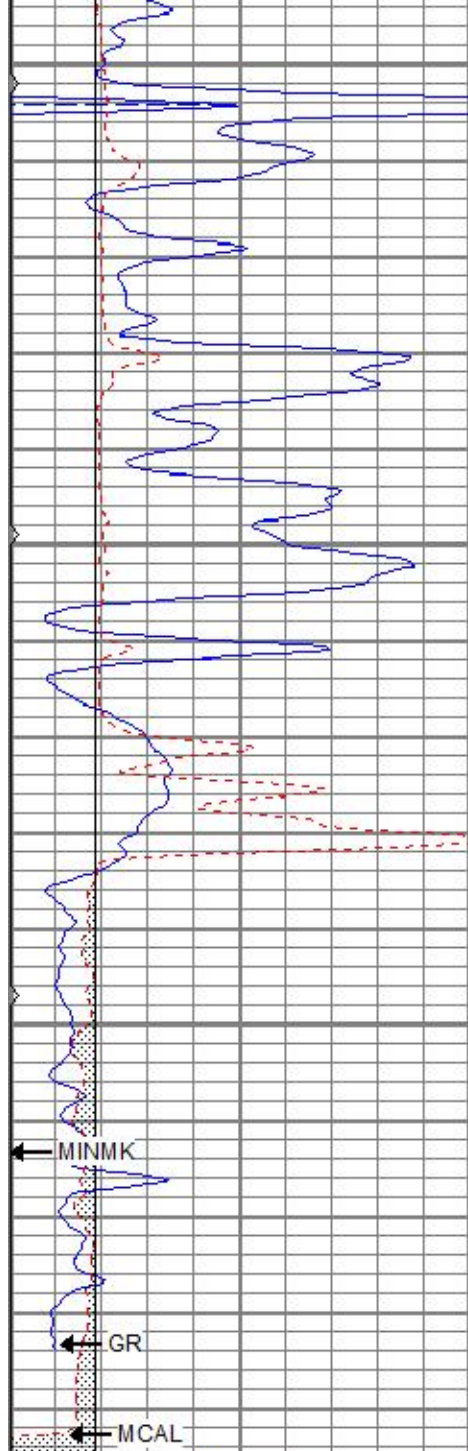
3050

3100

3150

3200



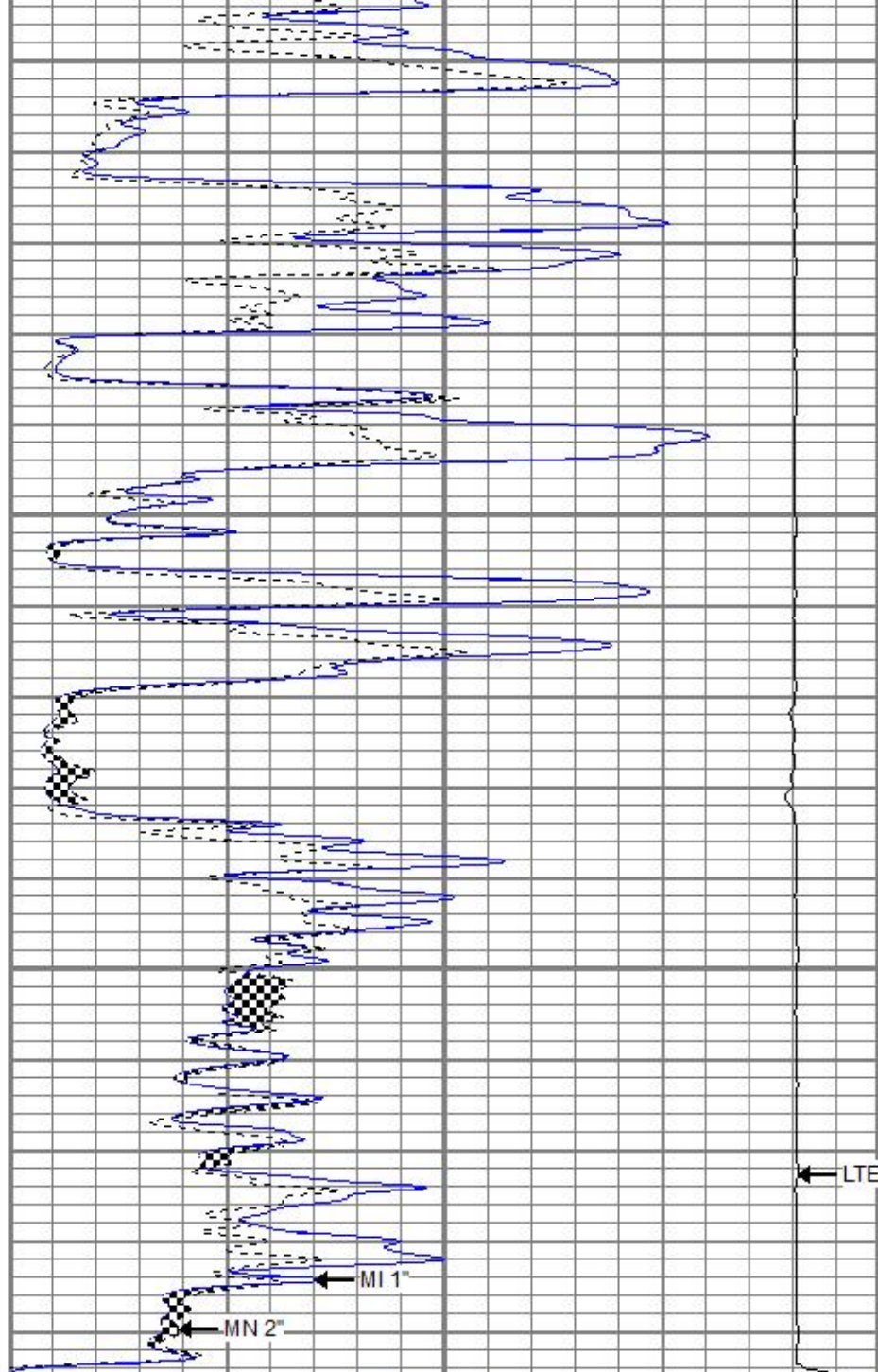


0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50

3250

3300

3350



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



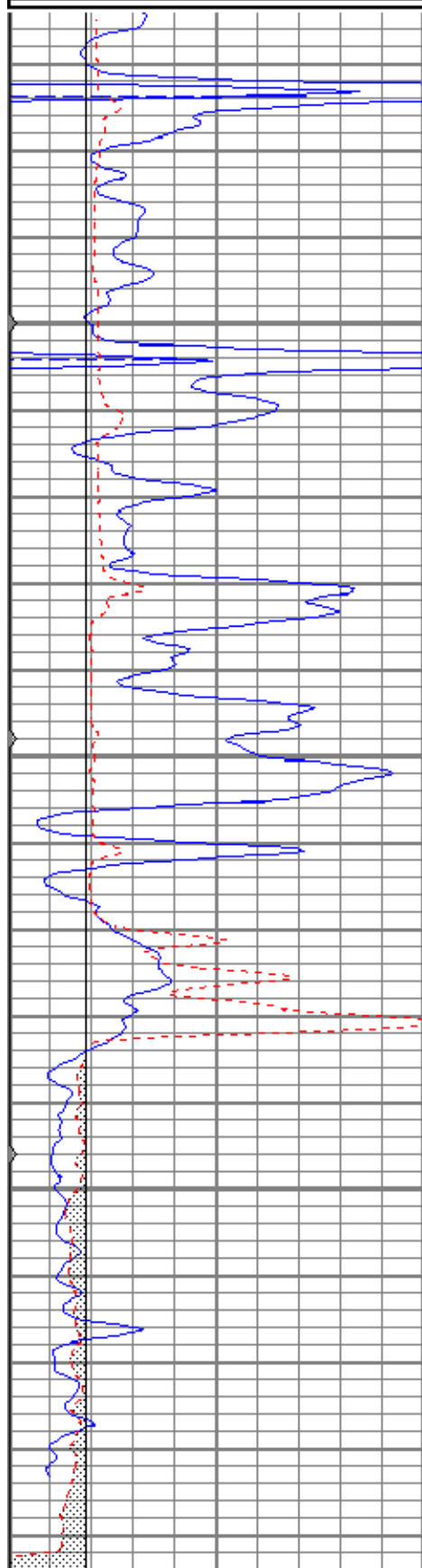
Repeat Pass

Database File mcewhiteb#3oh.db
 Dataset Pathname pass3.2
 Presentation Format kml
 Dataset Creation Mon Jan 16 17:32:01 2017
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
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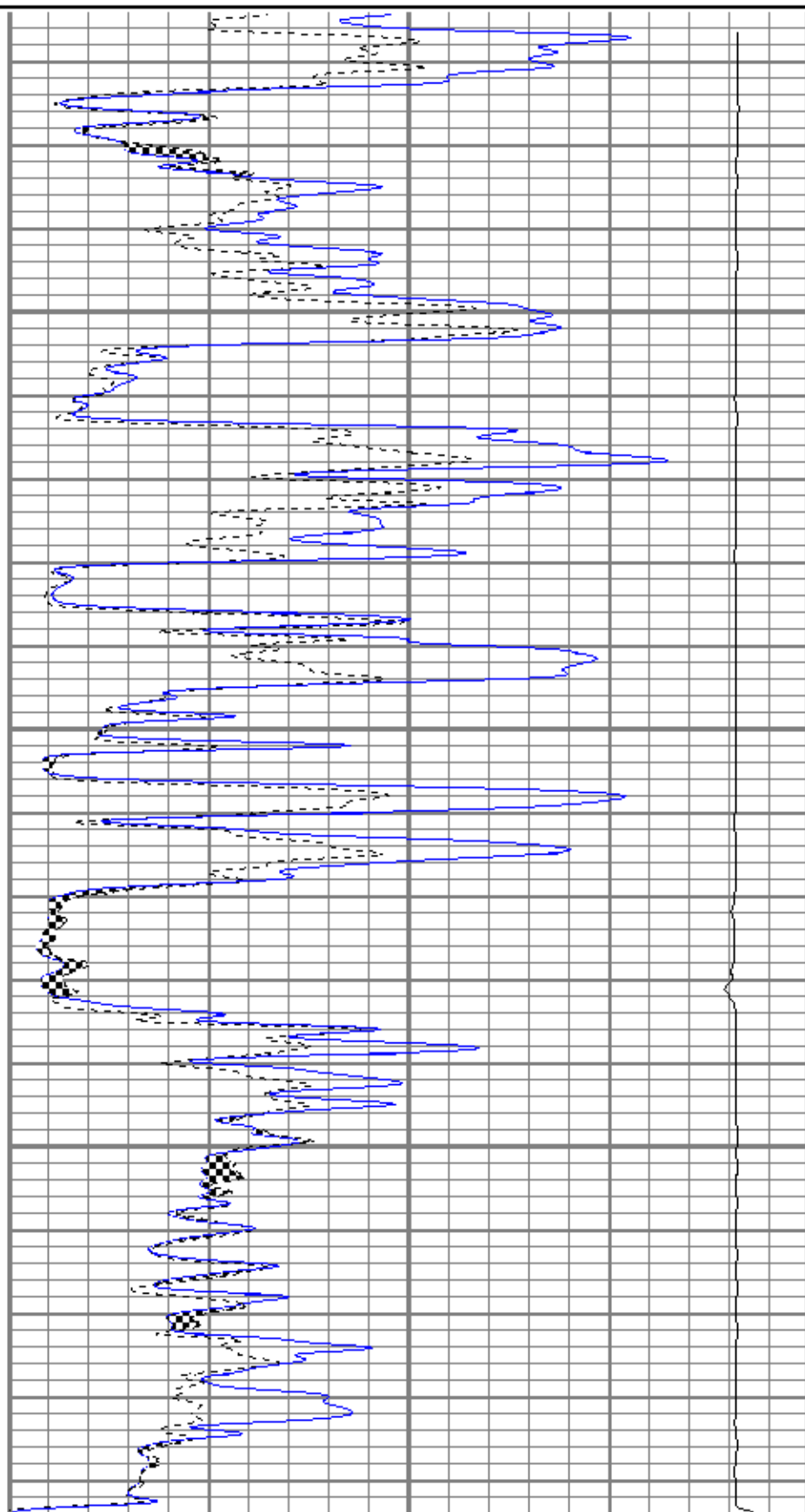
0	MN 2" (Ohm-m)	20
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	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50



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

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



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

Calibration Report

Database File mcewhiteb#3oh.db
 Dataset Pathname pass3.2
 Dataset Creation Mon Jan 16 17:32:01 2017

Microlog Calibration Report

Serial-Model: 1600-Pengo
 Performed: Sat Jan 14 11:29:40 2017

Readings			References			Results	
	Zero	Cal		Zero	Cal		m b
Normal	0.0250	0.5837	V	0.0000	10.0000	Ohm-m	17.8990 -0.4479
Inverse	-0.0048	0.7547	V	0.0000	7.0000	Ohm-m	9.2166 0.0442
Caliper	1.3663	2.2079	V	7.5000	14.0000	in	7.7228 -3.0515

Gamma Ray Calibration Report

Serial Number: 2000
 Tool Model: P2000
 Performed: Sat Jan 14 11:29:45 2017

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.2200 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	8.38		GR-P2000 (2000)	3.67	3.25	40.00
MCAL	1.30		ML-Pengo (1600)	6.97	3.50	100.00
MI	1.30					
MN	1.30					

Dataset: mcewhiteb#3oh.db: field/well/run1/pass3.2
 Total length: 10.63 ft
 Total weight: 140.00 lb
 O.D.: 3.50 in