



**MICRO
RESISTIVITY
LOG**

Company John O. Farmer, Inc. Well Reif #1 Field Trapp County Barton State KS	Company John O. Farmer, Inc. Well Reif #1 Field Trapp County Barton State KS
Location: 900' FSL & 1950' FWL API #: 15 009 26270	
Permanent Datum Log Measured From Drilling Measured From	Ground Level KB 8' AGL KB
SEC 13 TWP 16S RGE 14W	Elevation 1930'
Other Services CDNL DIL	

Date	09/19/2019	
Run Number	TWO	
Depth Driller	3438'	
Depth Logger	3438'	
Bottom Logged Interval	3436'	
Top Log Interval	2800'	
Casing Driller	8 5/8" @ 472'	
Casing Logger	472'	
Bit Size	7 7/8"	
Type Fluid in Hole	Chemical Mud	
Density / Viscosity	9.1/53	
pH / Fluid Loss	10.0/9.6	
Source of Sample	Pit	
Rm @ Meas. Temp	0.8@80degf	
Rmt @ Meas. Temp	0.64@80degf	
Rmc @ Meas. Temp	1.02@80degf	
Source of Rmf / Rmc	Calculated	
Rm @ BHT	0.63@101degf	
Time Circulation Stopped	3:00 a.m	
Time Logger on Bottom	7:00 a.m	
Maximum Recorded Temperature	101degf	
Equipment Number	T-605	
Location	Hays, KS.	
Recorded By	C.Patterson	
Witnessed By	Mr. 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

Russell, KS South 15 mi. to 200 Rd., Then East 1.5 mi. on 200 Rd.,
North into Location

Thank you for using Gemini Wireline
785-625-1182

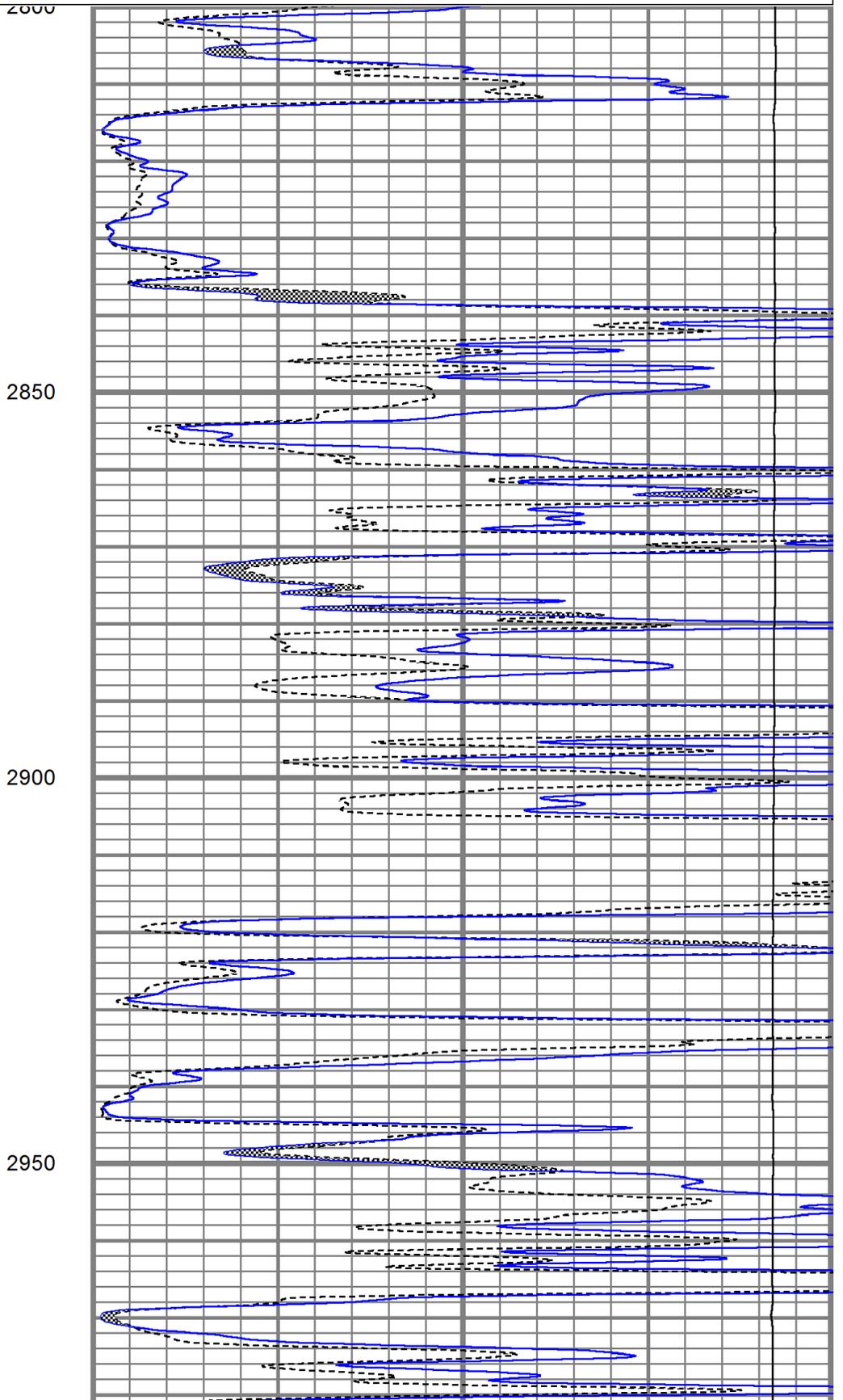
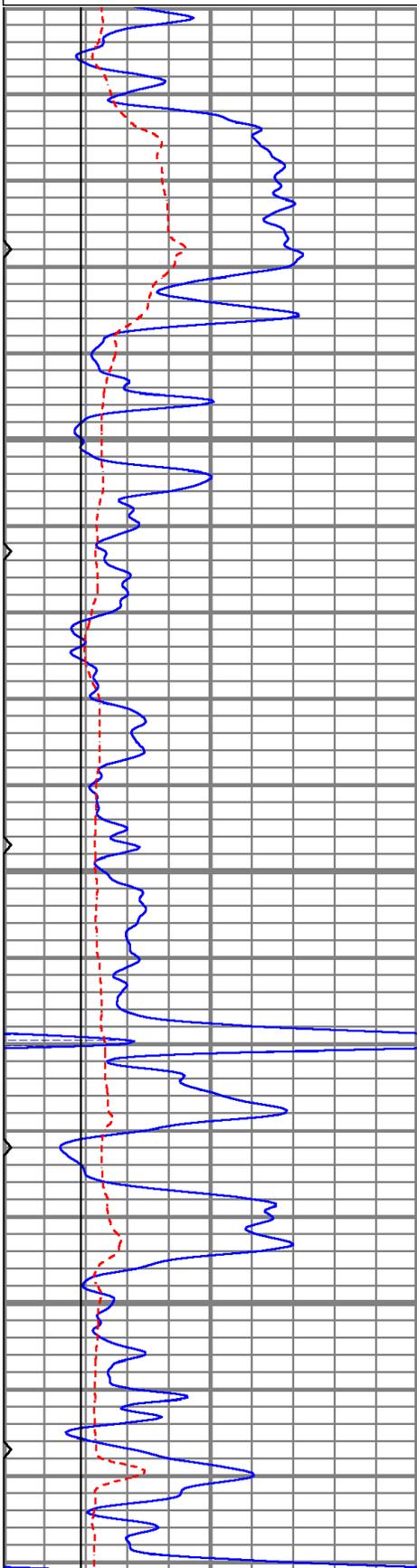


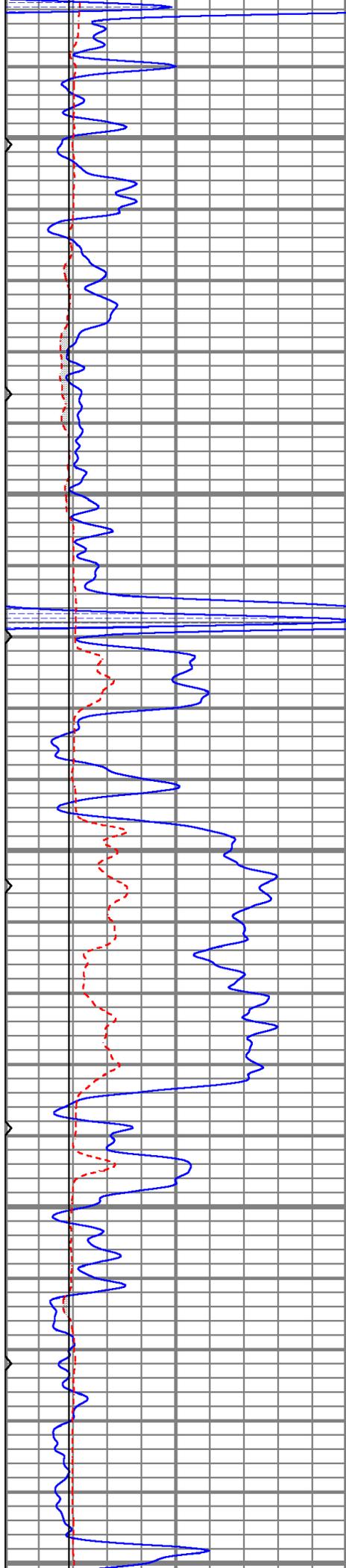
MAIN PASS

Database File jofreif#1oh.db
 Dataset Pathname pass4
 Presentation Format kml
 Dataset Creation Thu Sep 19 07:21:02 2019
 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





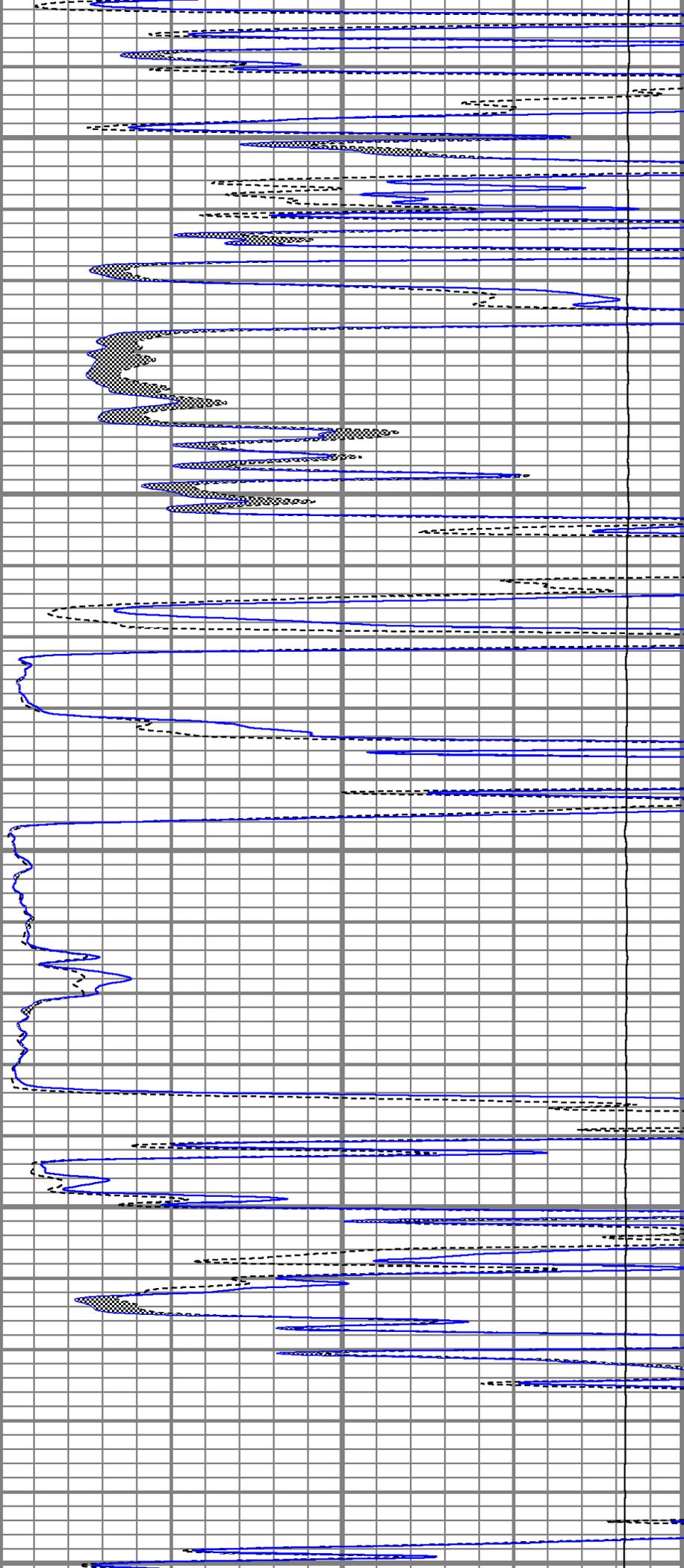
3000

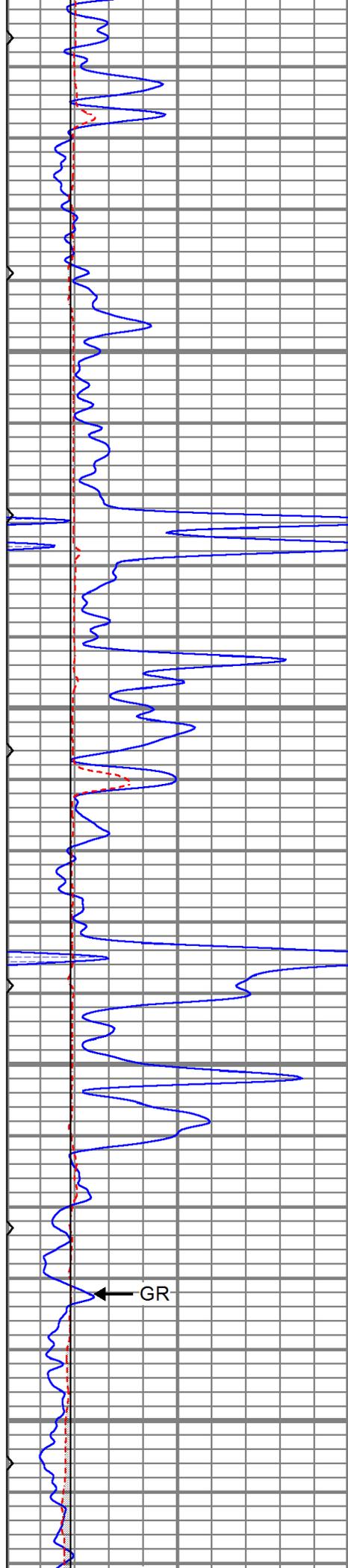
3050

3100

3150

3200



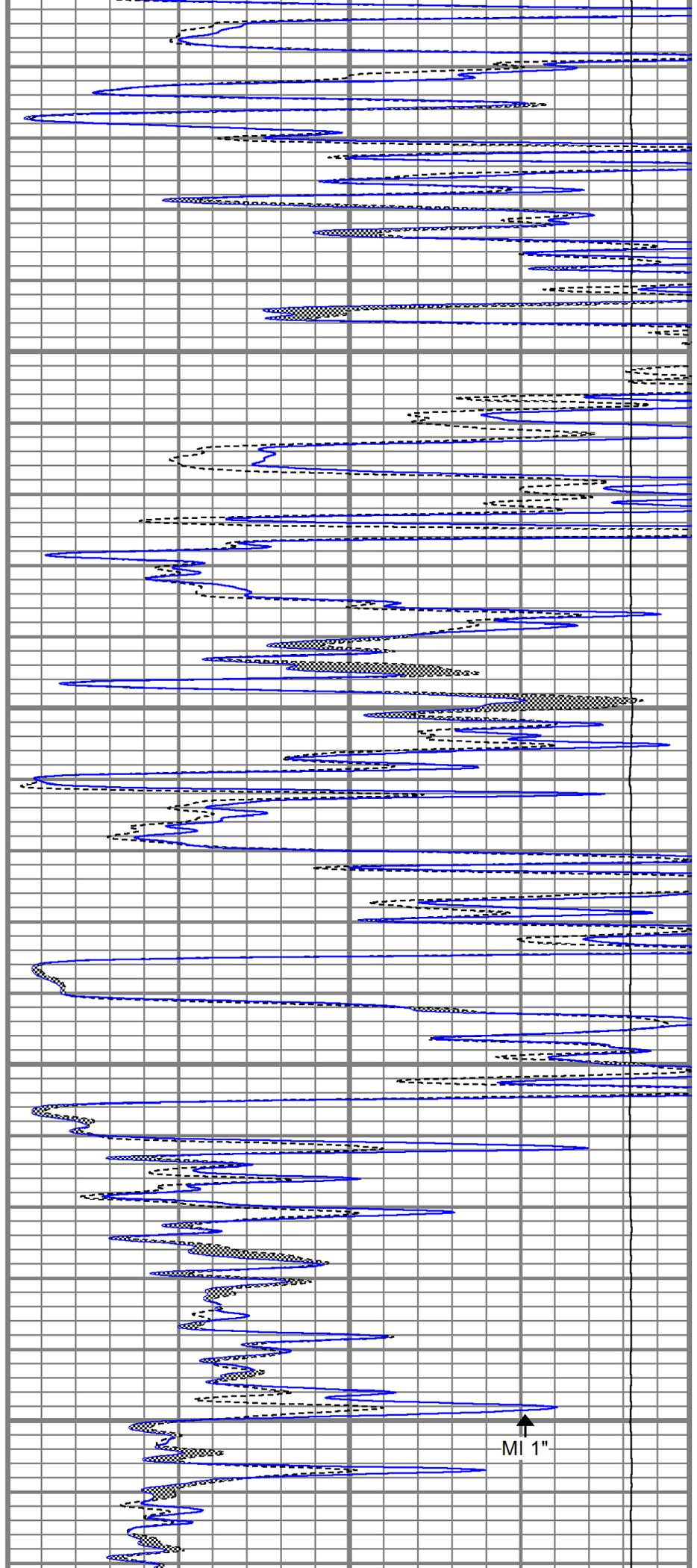


3250

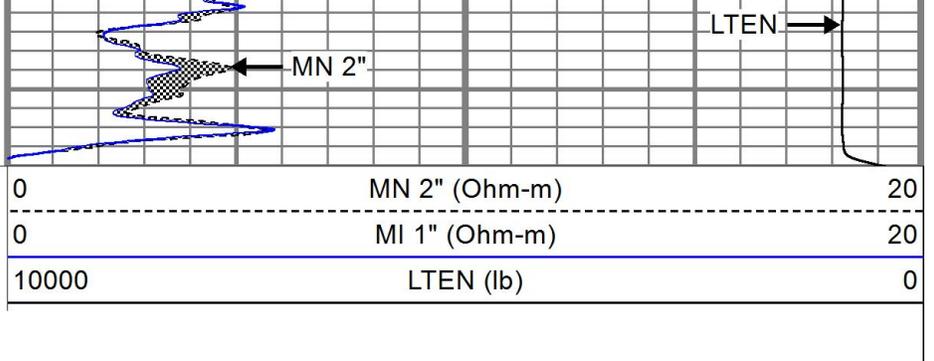
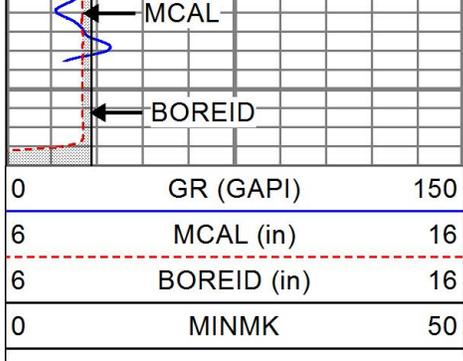
3300

3350

3400



MI 1"

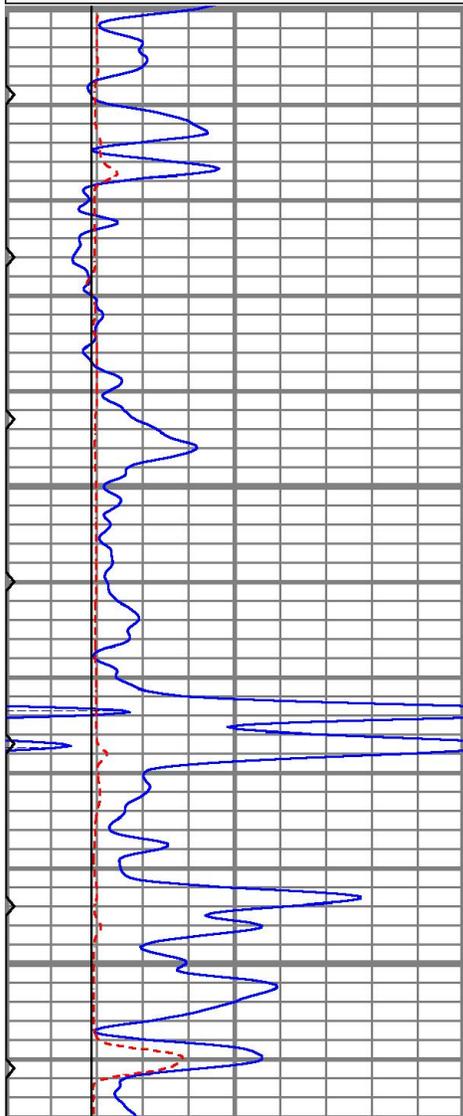


REPEAT SECTION

Database File jofreif#1oh.db
 Dataset Pathname pass3.1
 Presentation Format kml
 Dataset Creation Thu Sep 19 07:19:02 2019
 Charted by Depth in Feet scaled 1:240

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

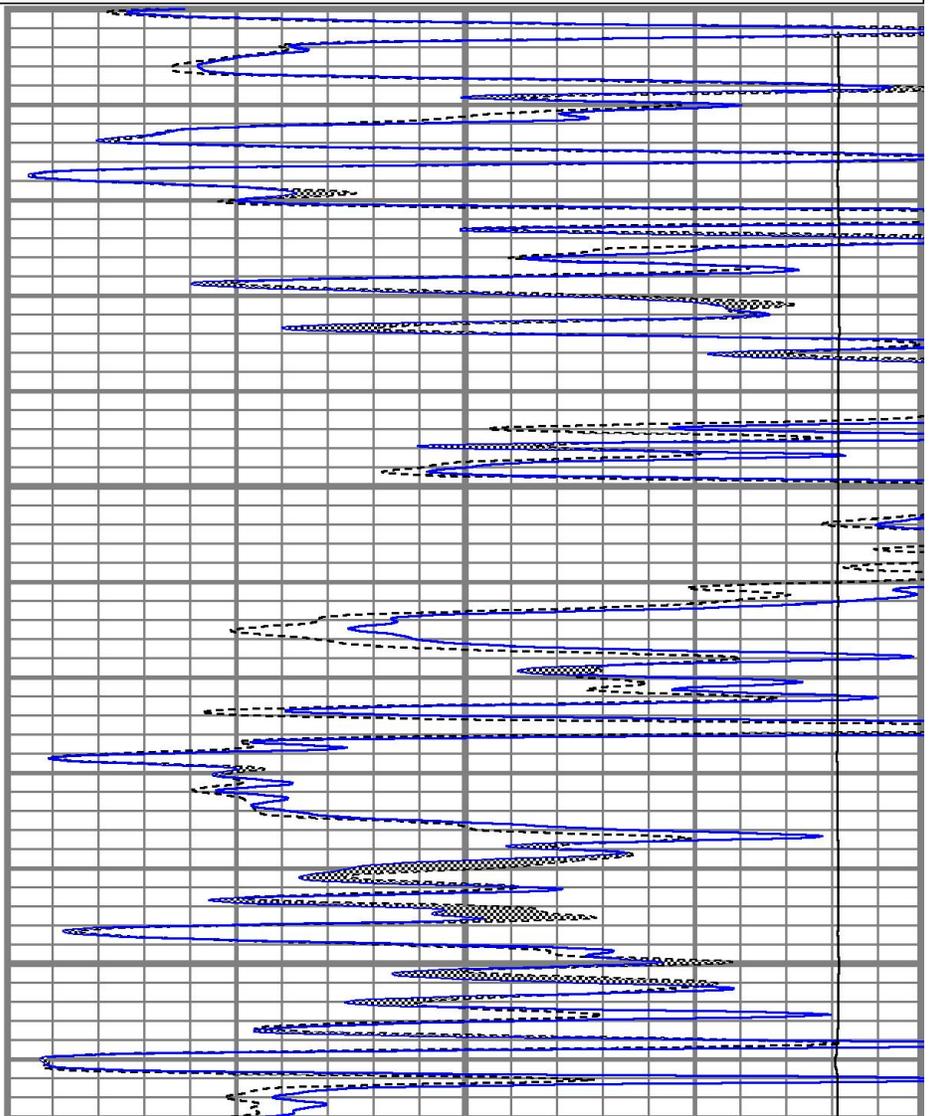
0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0

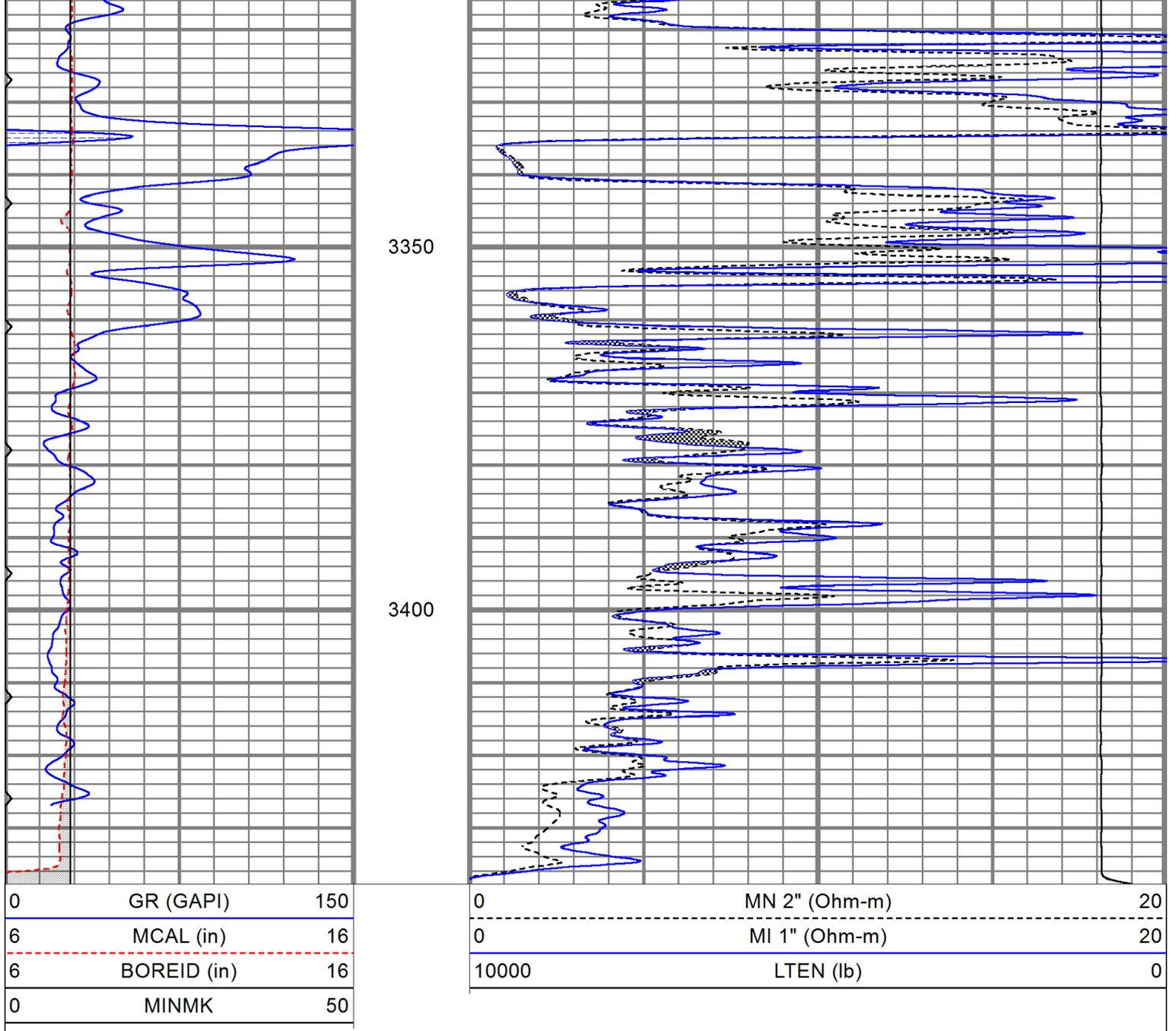


3200

3250

3300





Calibration Report

Database File jofreif#1oh.db
 Dataset Pathname pass4
 Dataset Creation Thu Sep 19 07:21:02 2019

Microlog Calibration Report

Serial-Model: 1600-Pengo
 Performed: Thu Sep 19 06:59:35 2019

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0066	0.4851	V	0.0000	10.0000	Ohm-m	20.9005	-0.1378
Inverse	0.0070	0.6336	V	0.0000	10.0000	Ohm-m	15.9599	-0.1116
Caliper	3.9124	9.9563	V	8.0500	17.0000	in	1.4808	2.2565

Gamma Ray Calibration Report

Serial Number: 2000
 Tool Model: P2000

Performed: Sun May 06 10:04:13 2018

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps

Calibrator Reading: 1.0 cps

Sensitivity: 0.7000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	8.38		CHD-None	0.75	1.50	5.00
MCAL	1.30		GR-P2000 (2000)	3.67	3.25	40.00
MI	1.30		ML-Pengo (1600)	6.97	3.50	100.00
MN	1.30					

Dataset: jofreif#1oh.db: field/well/run1/pass4
 Total length: 11.38 ft
 Total weight: 145.00 lb
 O.D.: 3.50 in