

MICRO
LOG



Company CHARTER ENERGY, INC.
Well KLUG #1
Field SUNFLOWER
County BARTON State KANSAS

Location: API #: 15-009-26291-0000
2025' FSL & 1890' FWL
SE - NW - NE - SW
SEC 8 TWP 17S RGE 12W
Permanent Datum GROUND LEVEL Elevation 1904
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL
Elevation
K.B. 1912
D.F. 1910
G.L. 1904

Date	10/12/20	Run Number	TWO
Depth Driller	3490	Depth Logger	3490
Bottom Logged Interval	3474	Top Log Interval	2800
Casing Driller	8 5/8"@400'	Casing Logger	400
Bit Size	7 7/8"	Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.1/54	pH / Fluid Loss	9.5/9.2
Source of Sample	FLOWLINE	Rm @ Meas. Temp	.570@84F
Rmf @ Meas. Temp	.428@84F	Rmc @ Meas. Temp	.684@84F
Source of Rmf / Rmc	MEASUREMENT	Rm @ BHT	.431@111F
Time Circulation Stopped	3.5 HOURS	Time Logger on Bottom	3:15 P.M.
Maximum Recorded Temperature	111F	Equipment Number	922339
Location	HAYS, KANSAS	Recorded By	JEFF LUEBBERS
Witnessed By	JIM MUSGROVE		

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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.

15-009-26291-0000 Comments

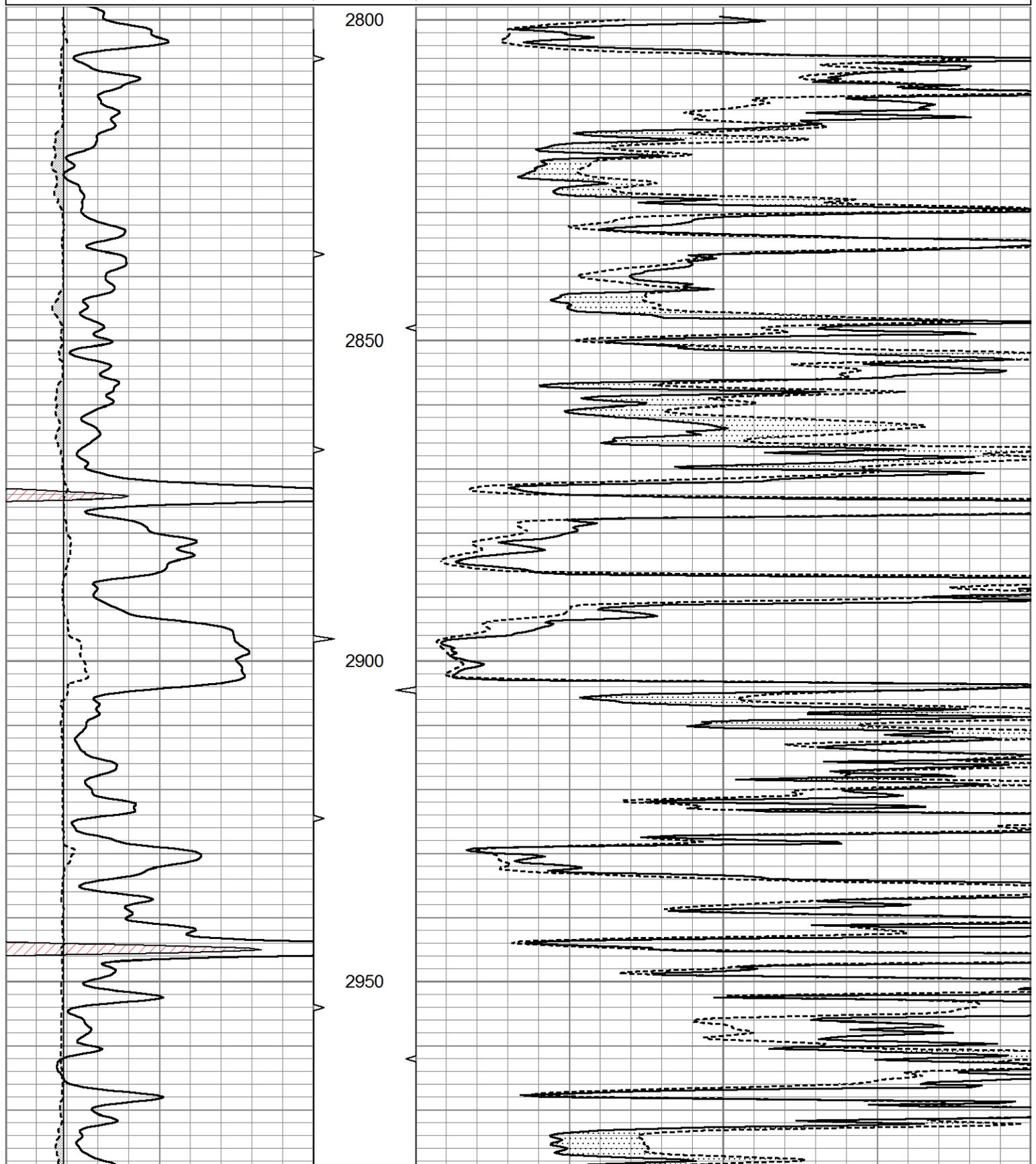
THANK YOU FOR USING E.L.I. WIRELINE SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
BEAVER, KS., 4S., 1/2W., N. INTO

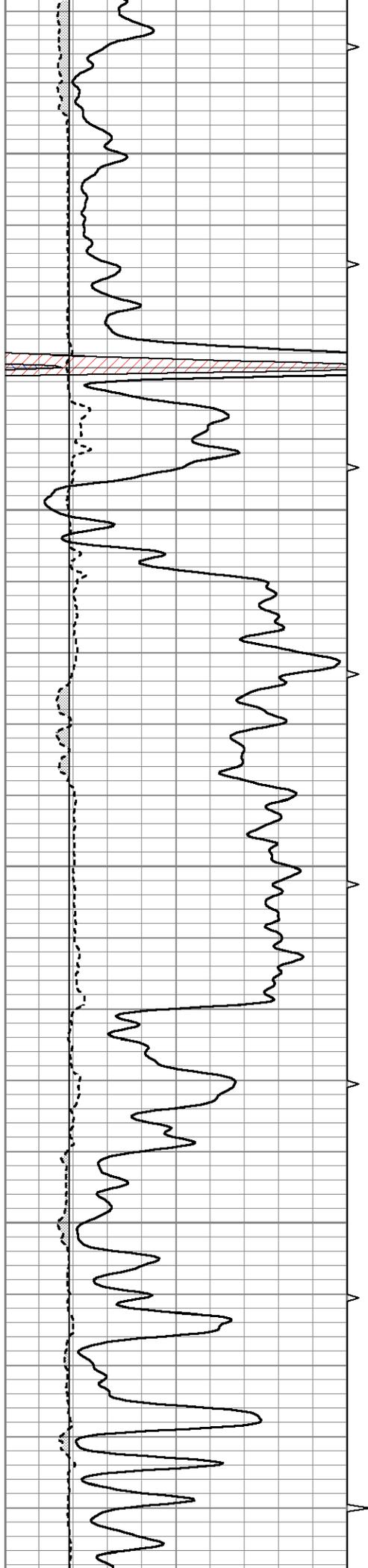


MAIN SECTION

Database File 4812ddn.db
 Dataset Pathname pass6.1
 Presentation Format micro
 Dataset Creation Mon Oct 12 15:37:56 2020
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	ABHV	0	MEL20 (Ohm-m)	40
6	MELCAL (in)	16	10 (ft3)	0	MEL15 (Ohm-m)	40
			ABHV			
			0 (ft3)	10		



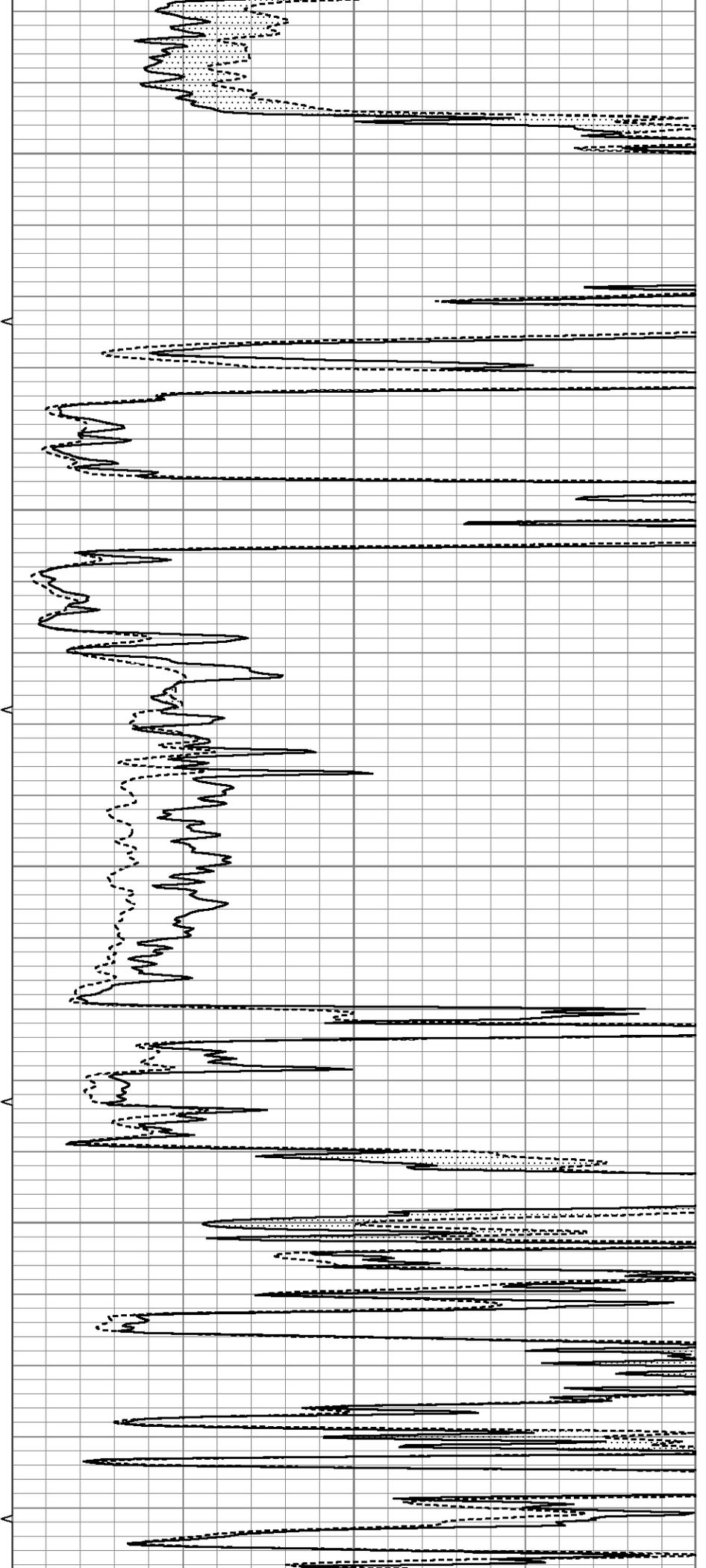


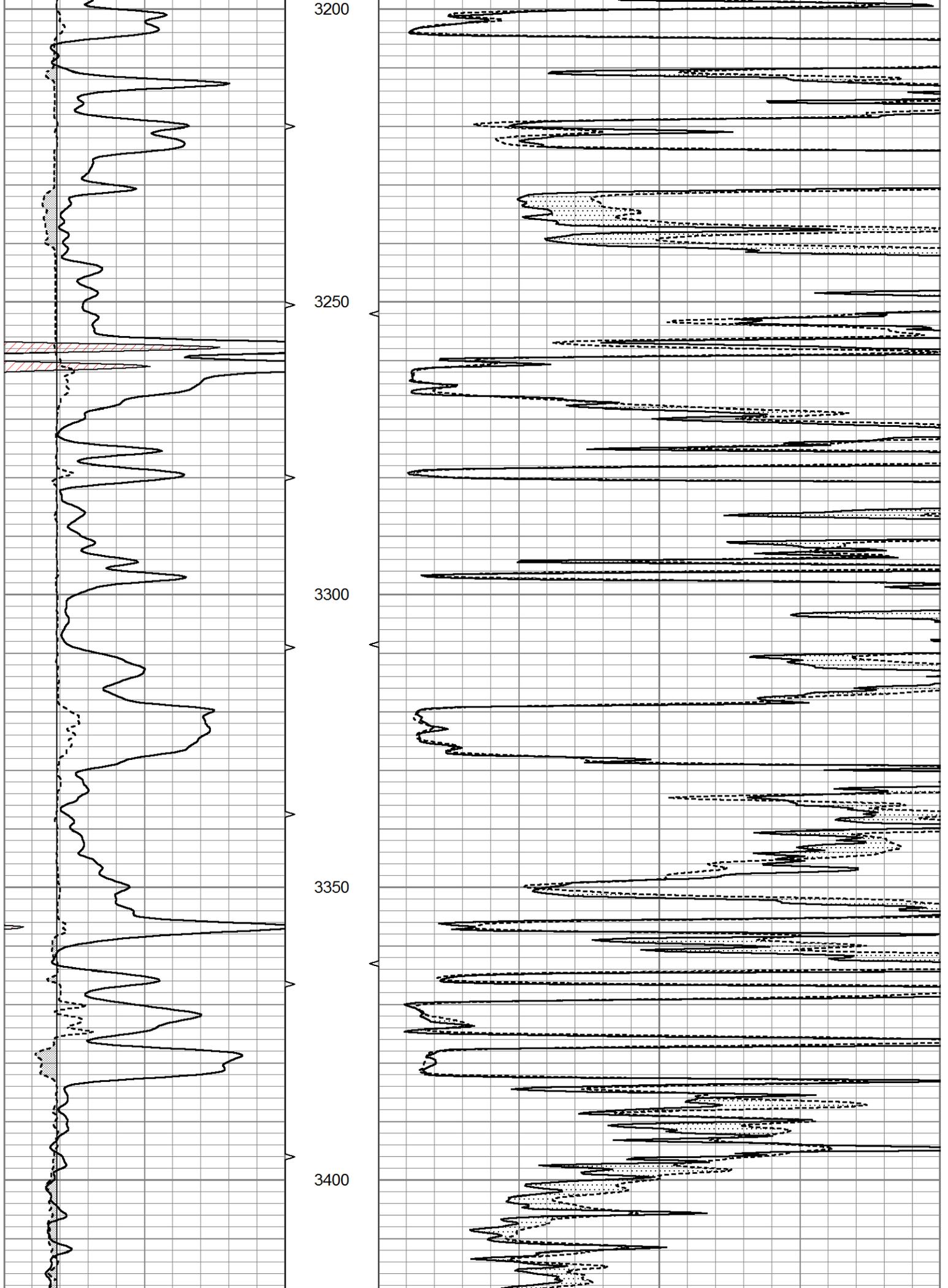
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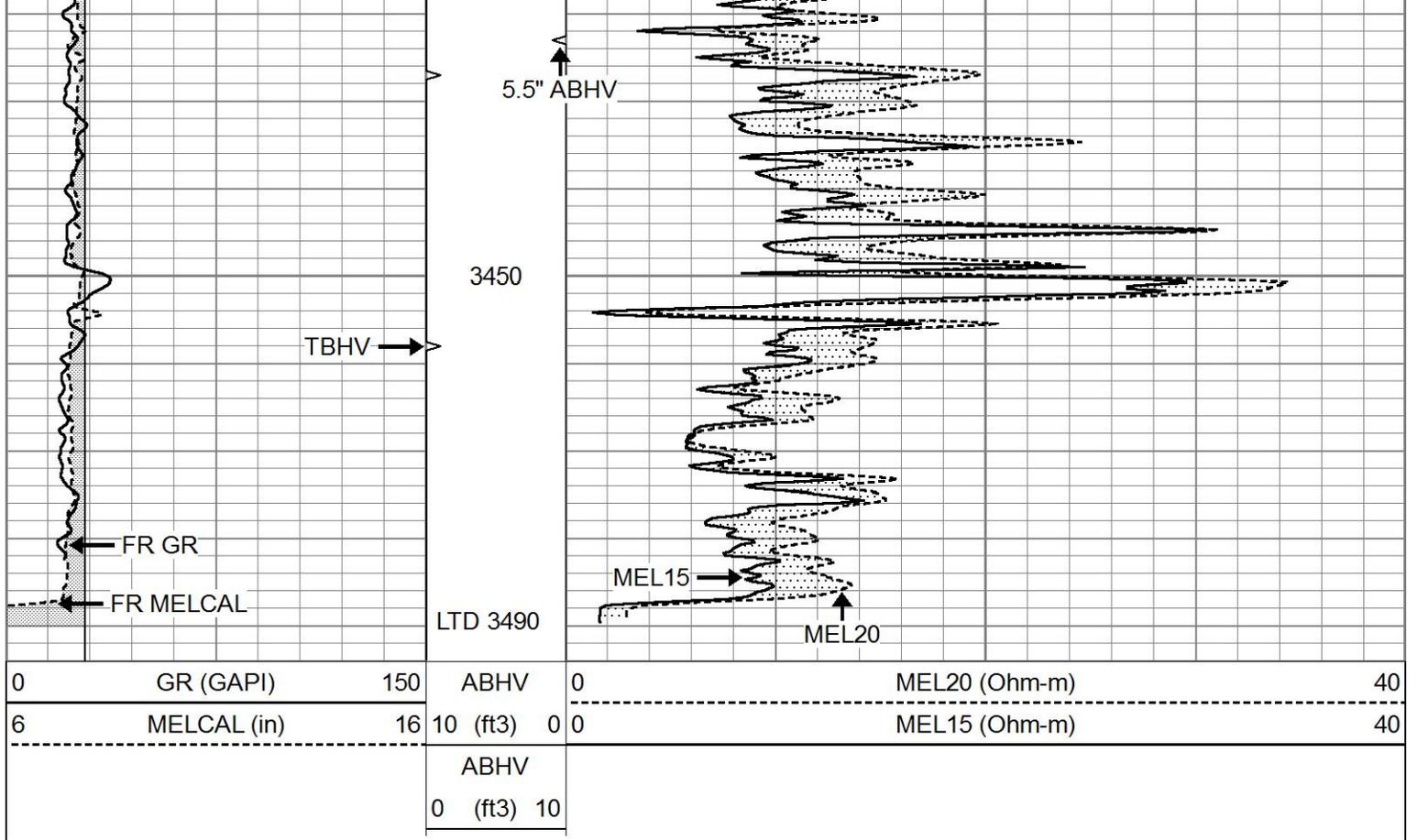
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3100

3150



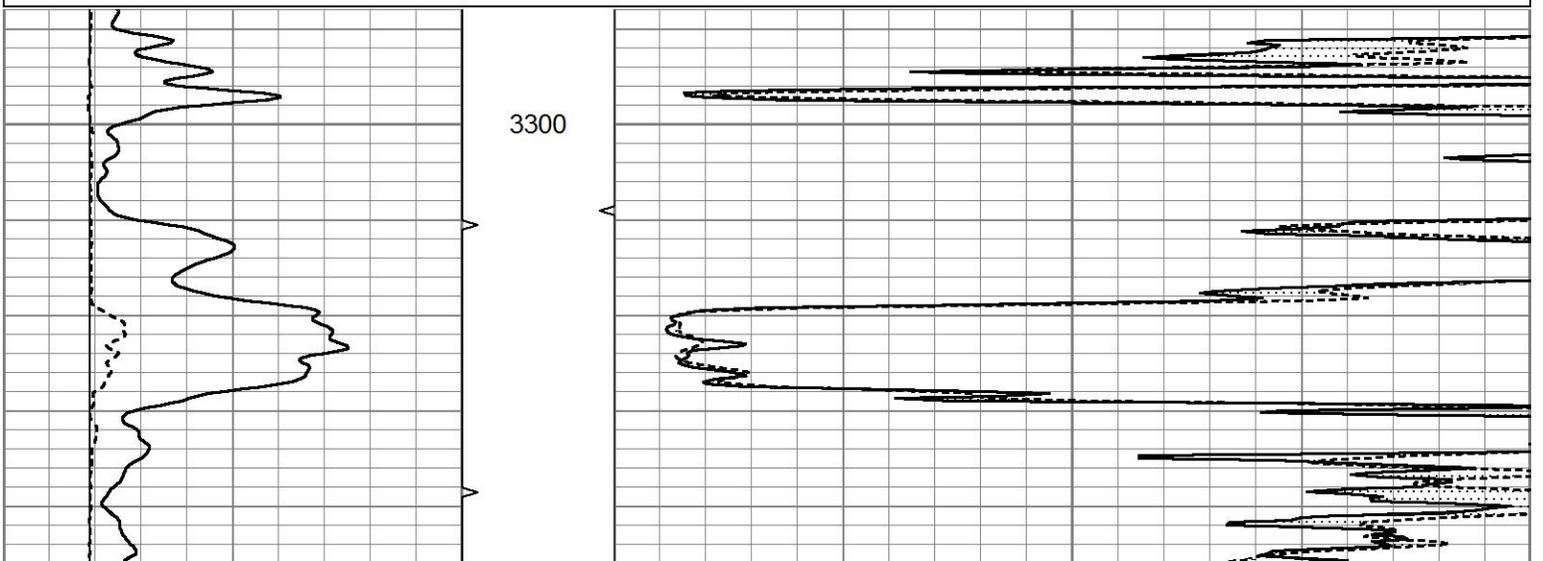


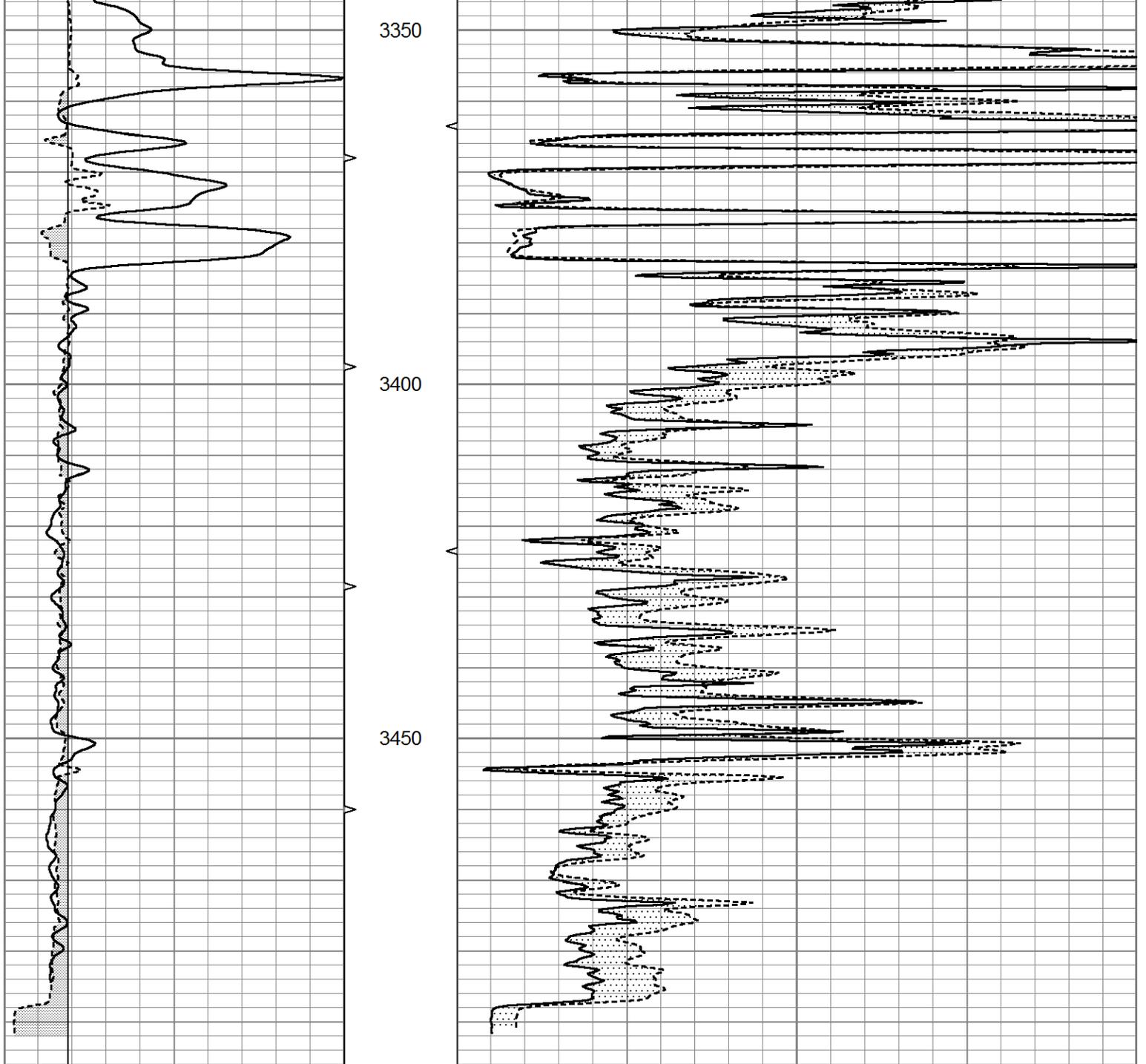


REPEAT SECTION

Database File 4812ddn.db
 Dataset Pathname pass5.1
 Presentation Format micro
 Dataset Creation Mon Oct 12 15:15:57 2020
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	ABHV	0	MEL20 (Ohm-m)	40
6	MELCAL (in)	16	10 (ft3)	0	MEL15 (Ohm-m)	40
			ABHV			
			0 (ft3)	10		





0	GR (GAPI)	150	ABHV	0	MEL20 (Ohm-m)	40
6	MELCAL (in)	16	10 (ft3)	0	MEL15 (Ohm-m)	40
			ABHV			
			0 (ft3)	10		

Calibration Report

Database File 4812ddn.db
 Dataset Pathname pass6.1
 Dataset Creation Mon Oct 12 15:37:56 2020

MICRO Calibration Report

Serial Number: 070911
 Tool Model: ProbeN
 Performed: Sun Sep 13 10:47:41 2020

Caliper Calibration: Gain=4.908 Offset=0.294

	Low Cal	High Cal
References	8.000	16.000
Readings	1.570	3.200
1.5" Calibration:	Gain=42.000	Offset=-0.500
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.240
2" Calibration:	Gain=52.000	Offset=-1.200
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.076
Gamma Ray Calibration Report		
Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Mon Oct 12 15:31:56 2020	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3400	GAPI/cps