

MICRO LOG

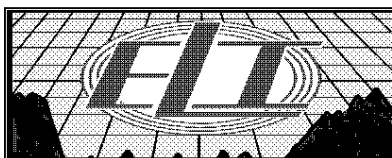
Company	MAI OIL OPERATIONS, INC.		
Well	BUTTON #1		
Field	KOOPMAN NORTH		
County	BARTON	State	KANSAS
Location:	AP1 # : 15-009-26177-0000 1345' FNL & 330' FEL N/2 - NE - SE - NE		Other Services CDL/CNL DIL
Permanent Datum	GROUND LEVEL	Elevation	1884
Log Measured From	KELLY BUSHING	8' A.G.L.	
Drilling Measured From	KELLY BUSHING		
SEC 13	TWP 19S	RGE 13W	
Date	7/6/17		
Run Number	TWO		
Depth Driller	3555		
Depth Logger	3554		
Bottom Logged Interval	3552		
Top Log Interval	2900		
Casing Driller	8 5/8"@757'		
Casing Logger	757		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,700 PPM	
Density / Viscosity	9.3/59		
pH / Fluid Loss	10.5/9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.700@80F		
Rmf @ Meas. Temp	.525@80F		
Rmc @ Meas. Temp	.840@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.500@112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	3:30 A.M.		
Maximum Recorded Temperature	112F		
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.

Comments

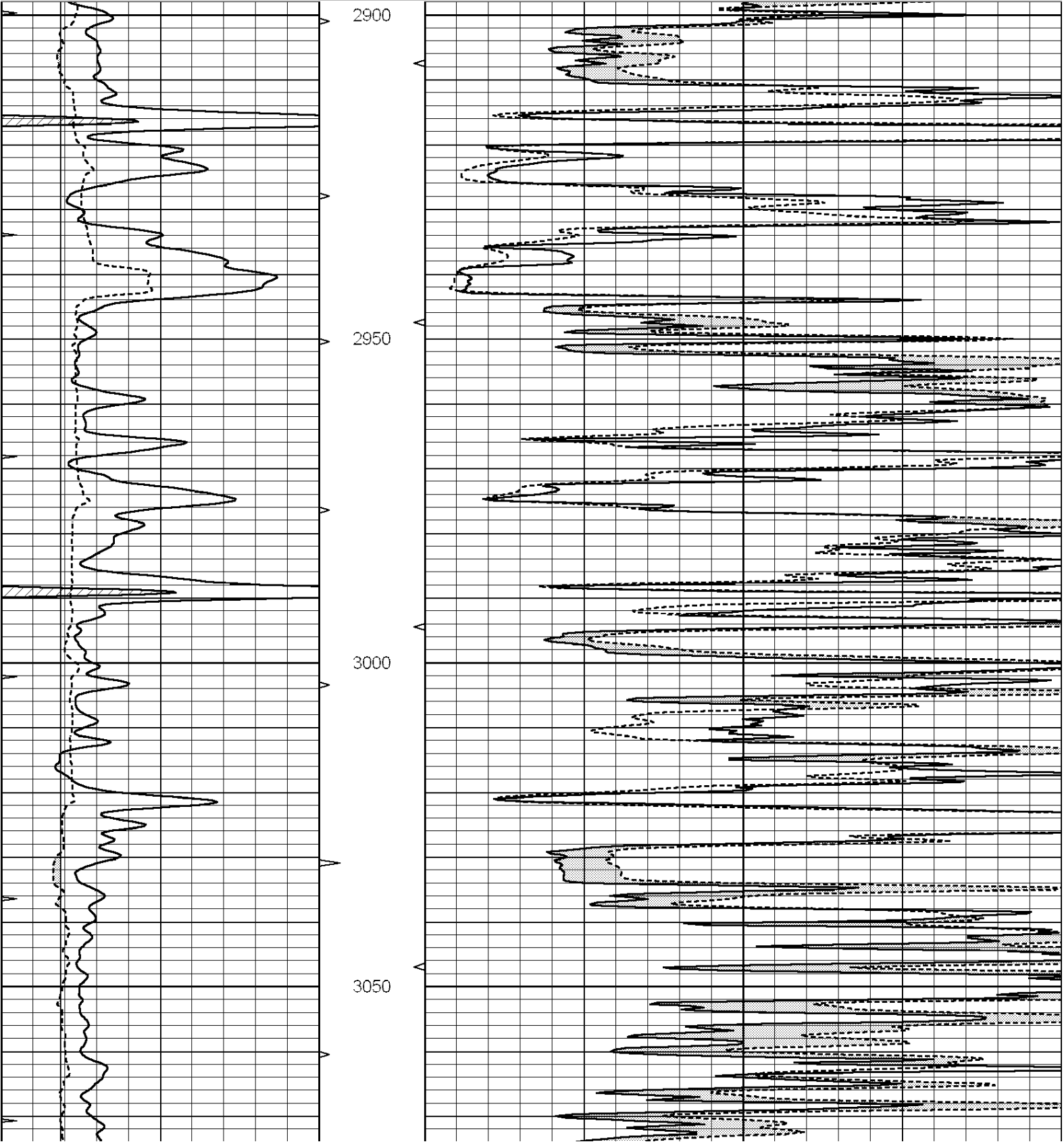
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
GREAT BEND, KS. (BARTON COUNTY COMMUNITY COLLEGE) 1 1/2 E. TO "NE 40 AVE.", 1/4S., W. INTO

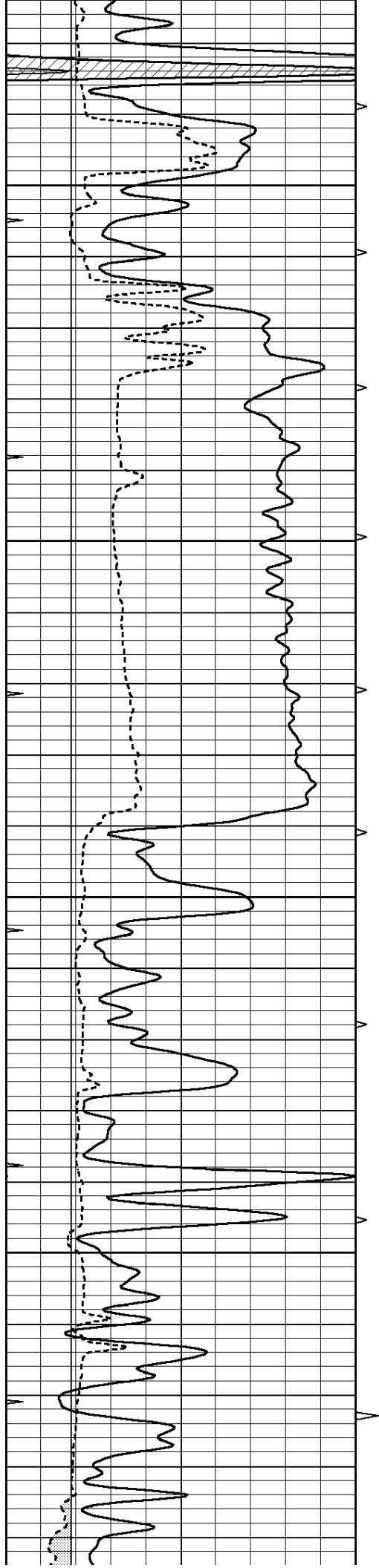


MAIN SECTION

Database File: 1583ddn.db
Dataset Pathname: pass6.3
Presentation Format: micro
Dataset Creation: Thu Jul 06 03:33:36 2017 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



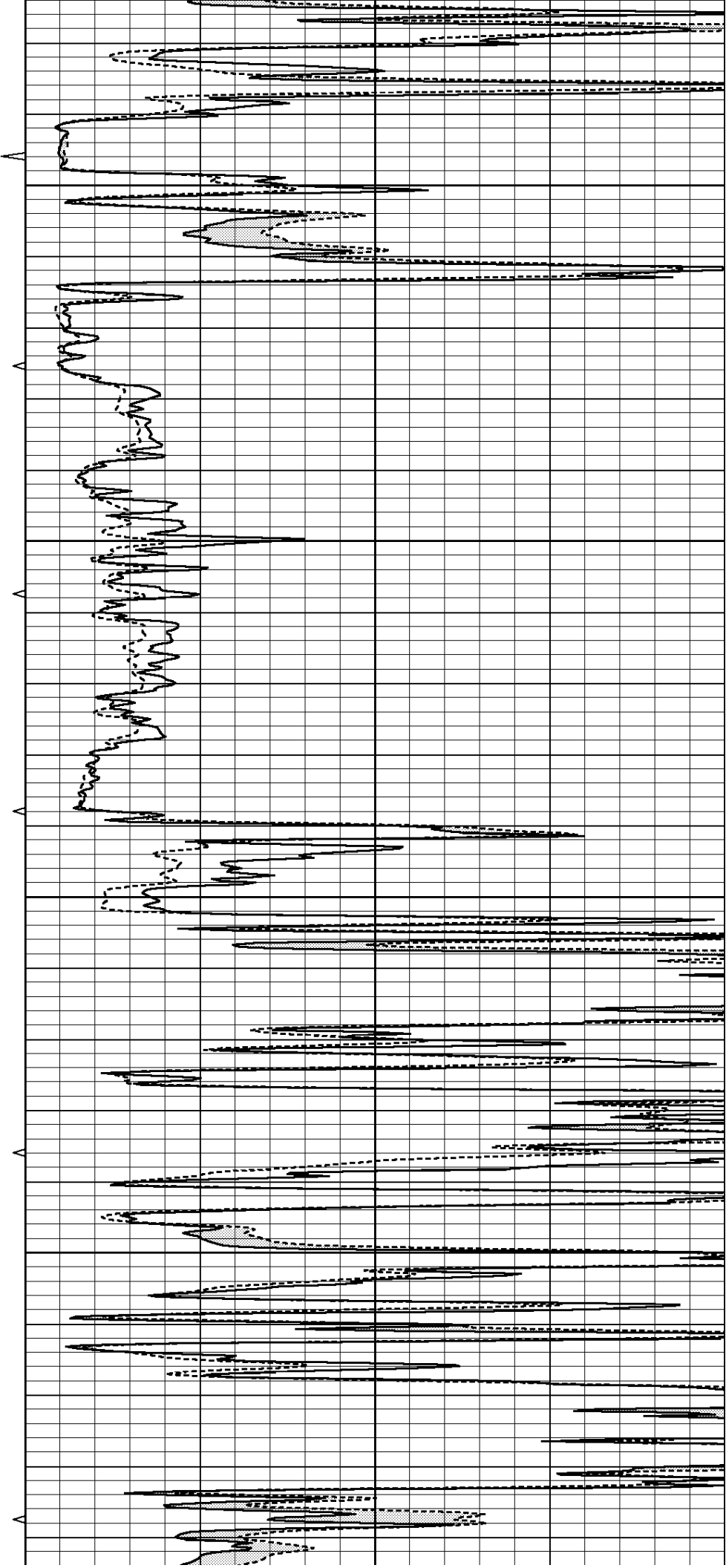


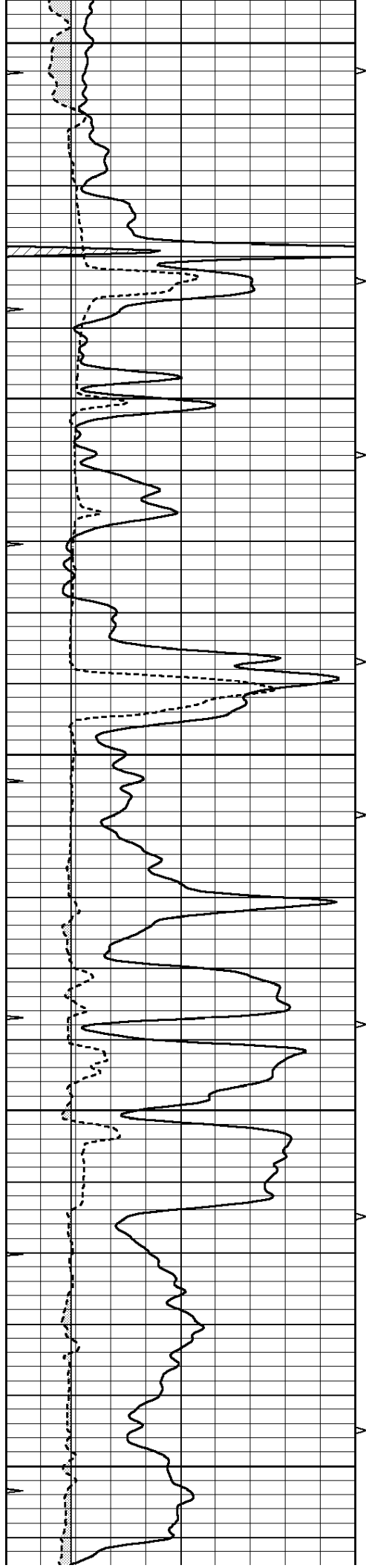
3100

3150

3200

3250





3300

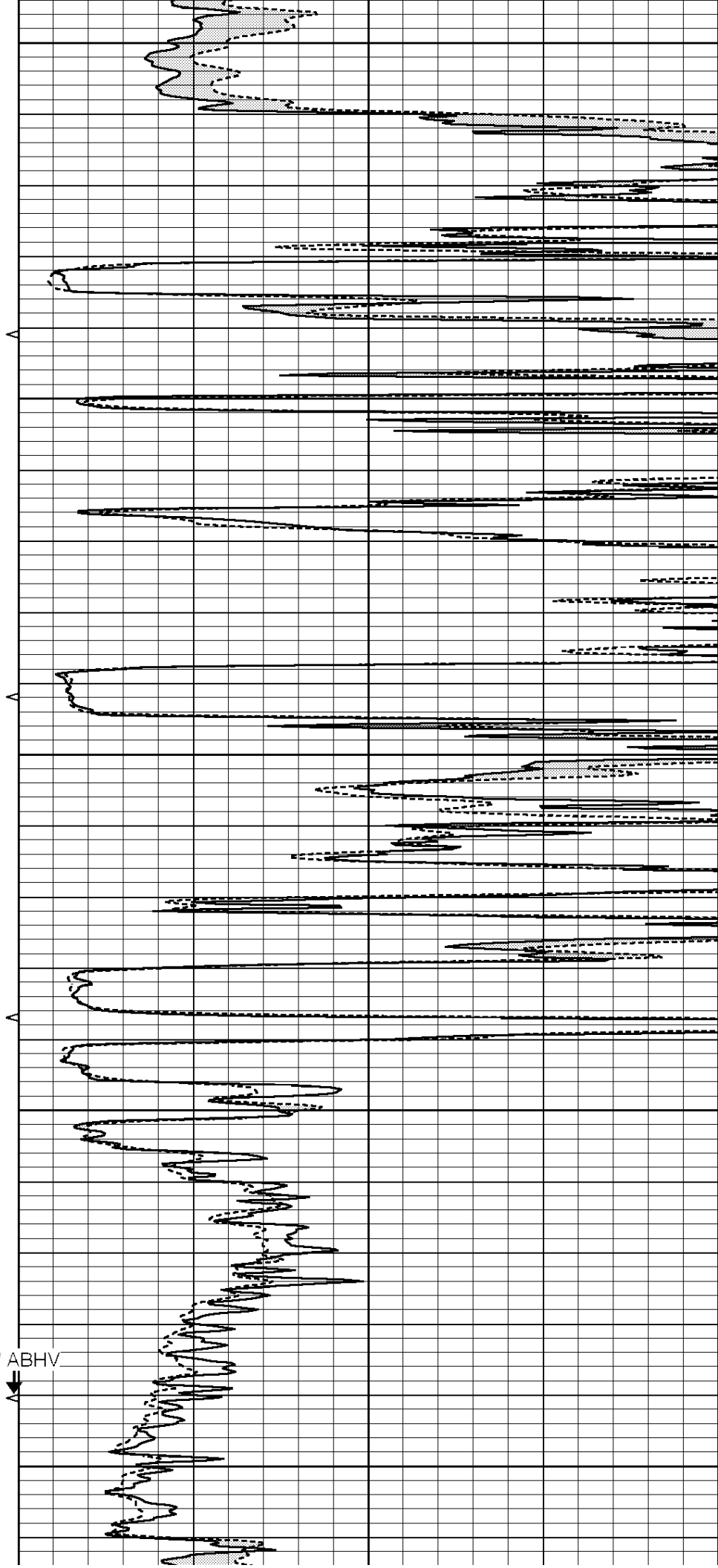
3350

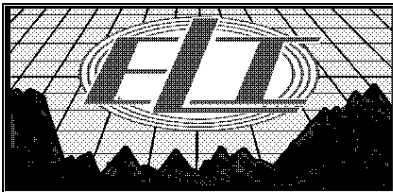
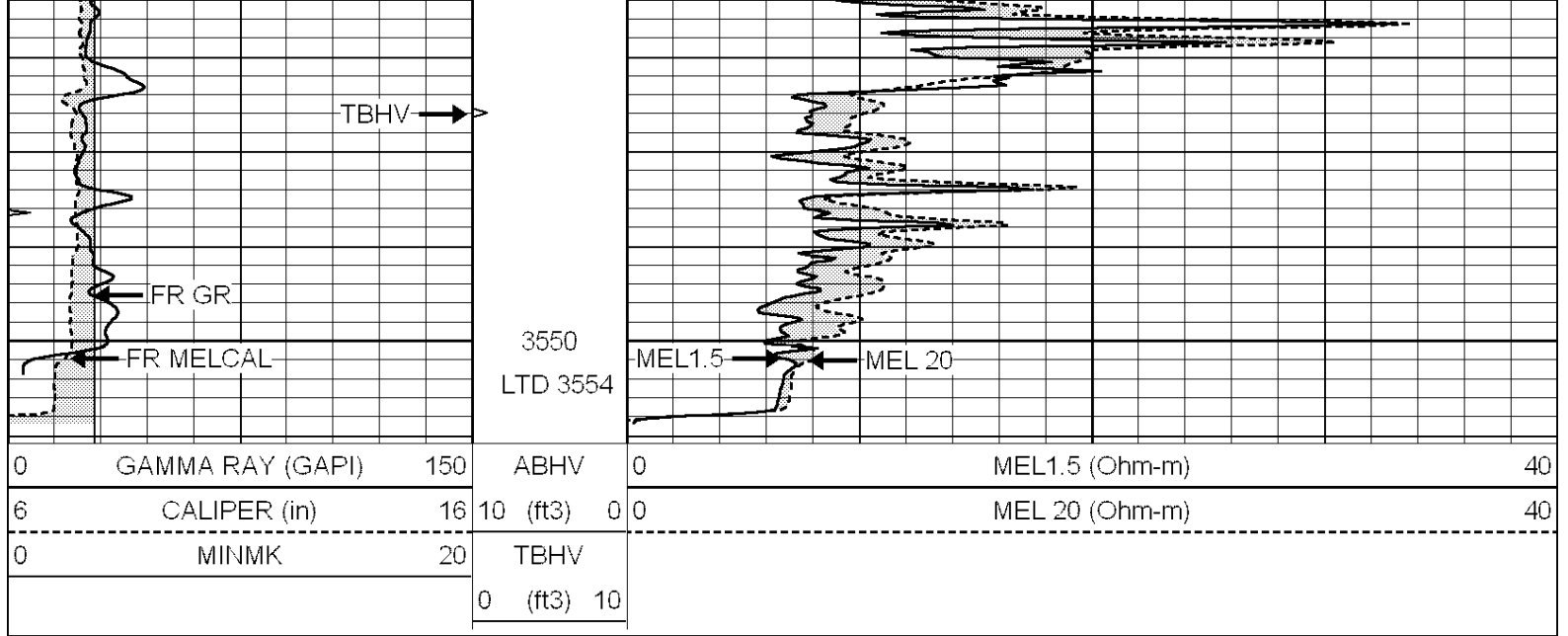
3400

3450

3500

5.5" ABHV

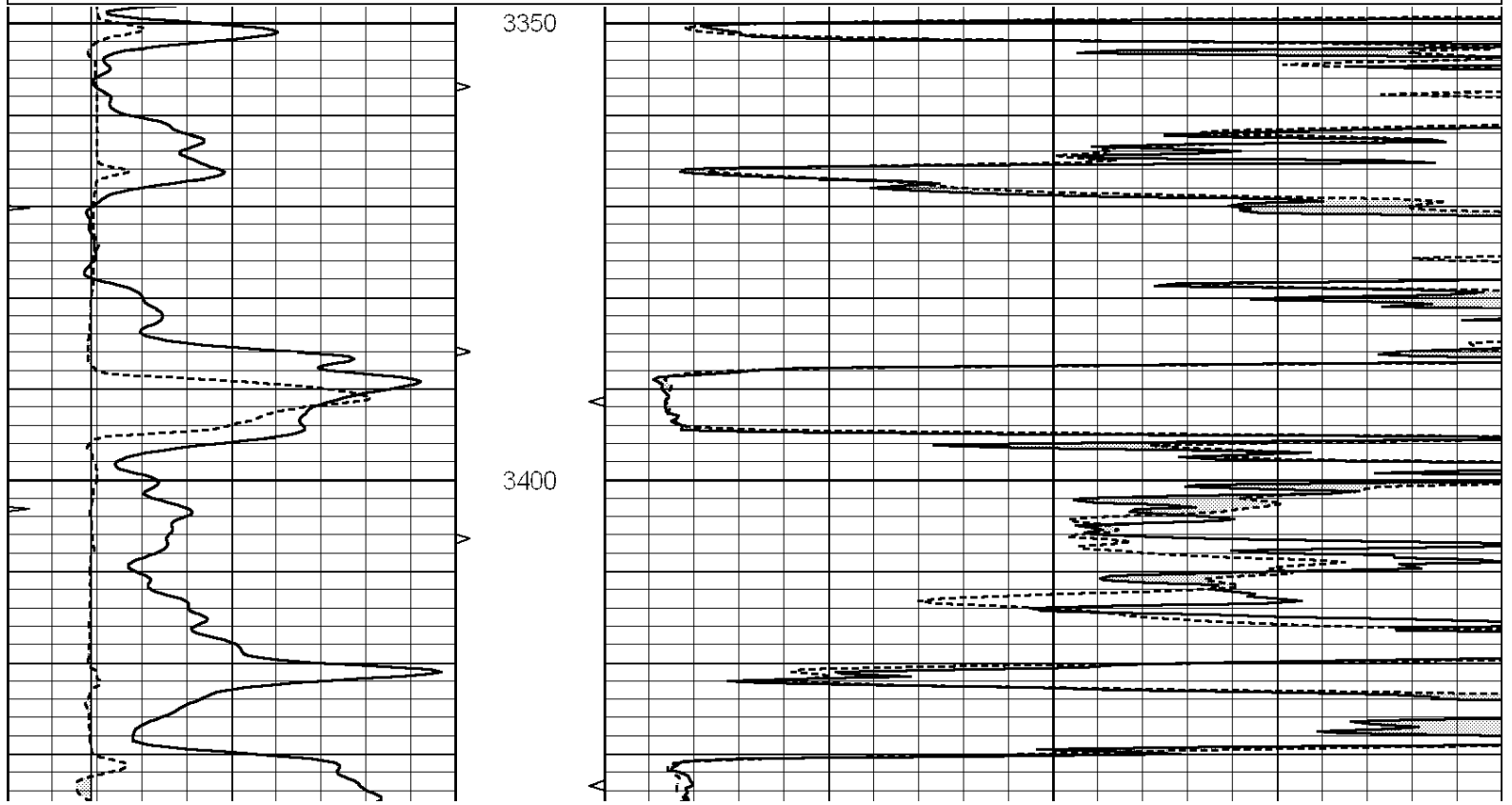


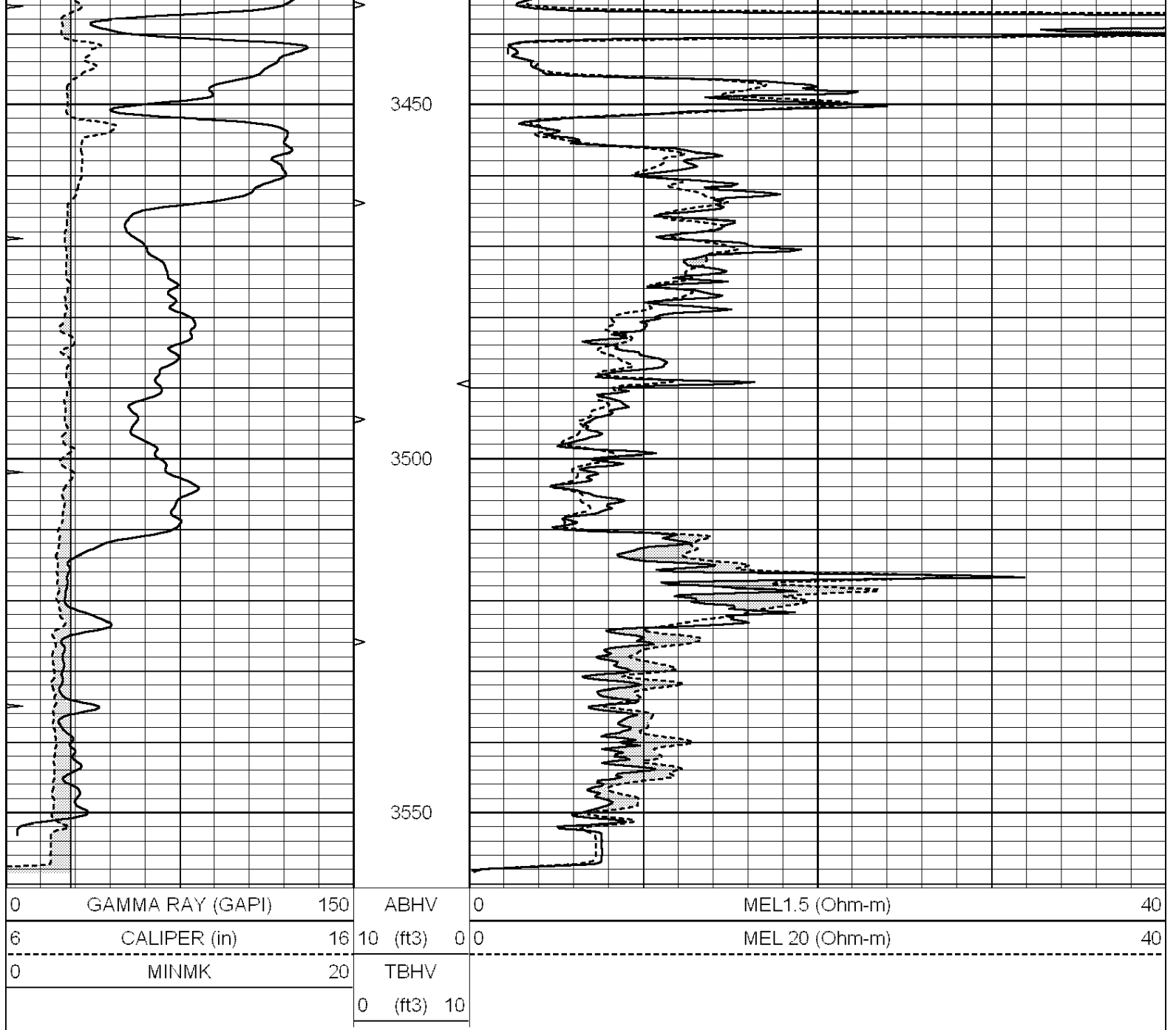


REPEAT SECTION

Database File: 1583ddn.db
 Dataset Pathname: pass5.5
 Presentation Format: micro
 Dataset Creation: Thu Jul 06 03:09:52 2017 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 1583ddn.db
Dataset Pathname: pass6.3
Dataset Creation: Thu Jul 06 03:33:36 2017 by Calc SOC 120430

MICRO Calibration Report

Serial Number: 070910
Tool Model: ProbeN
Performed: Thu Jul 06 03:26:49 2017

Caliper Calibration: Gain=4.848 Offset=0.000

References	Low Cal	High Cal
Readings	8.000	16.000
	1.650	3.300

1.5" Calibration: Gain=36.000 Offset=0.300

References	Low Cal	High Cal
	0.000	20.000
	1.000	1.000

Readings	0.000	1.216
2" Calibration:	Gain=45.000	Offset=-0.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.002	1.053

Gamma Ray Calibration Report		
Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Thu Jul 06 02:59:45 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2100	GAPI/cps