



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company		MAI OIL OPERATION, INC.	
Well		NUSS-RADKE #2	
Field		NUSS NORTHEAST	
County		RUSSELL	
State		KANSAS	
Company		MAI OIL OPERATIONS, INC.	
Well		NUSS-RADKE #2	
Field		NUSS NORTHEAST	
County		RUSSELL	
State		KANSAS	
Location:		API # : 15-167-23869-00-00	
Permanent Datum		GROUND LEVEL	
Log Measured From		1150' FSL & 150' FWL	
Drilling Measured From		NW - NW - SW - SW	
SEC 19		TWP 14S	
RGE 18W		RGE 18W	
Other Services		CNL/CDL	
Elevation		DIL	
K.B. 1885		Elevation 1877	
D.F. 1883			
G.L. 1877			
Date	6/10/13		
Run Number	TWO		
Depth Driller	3410		
Depth Logger	3409		
Bottom Logged Interval	3407		
Top Log Interval	2750		
Casing Driller	8 5/8" @ 478'		
Casing Logger	478		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2/55		
pH / Fluid Loss	11.0/8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.900 @ 80F		
Rmf @ Meas. Temp	0.675 @ 80F		
Rmc @ Meas. Temp	1.08 @ 80F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.648 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	111F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	IAN MABB		
Witnessed By	WYATT URBAN		

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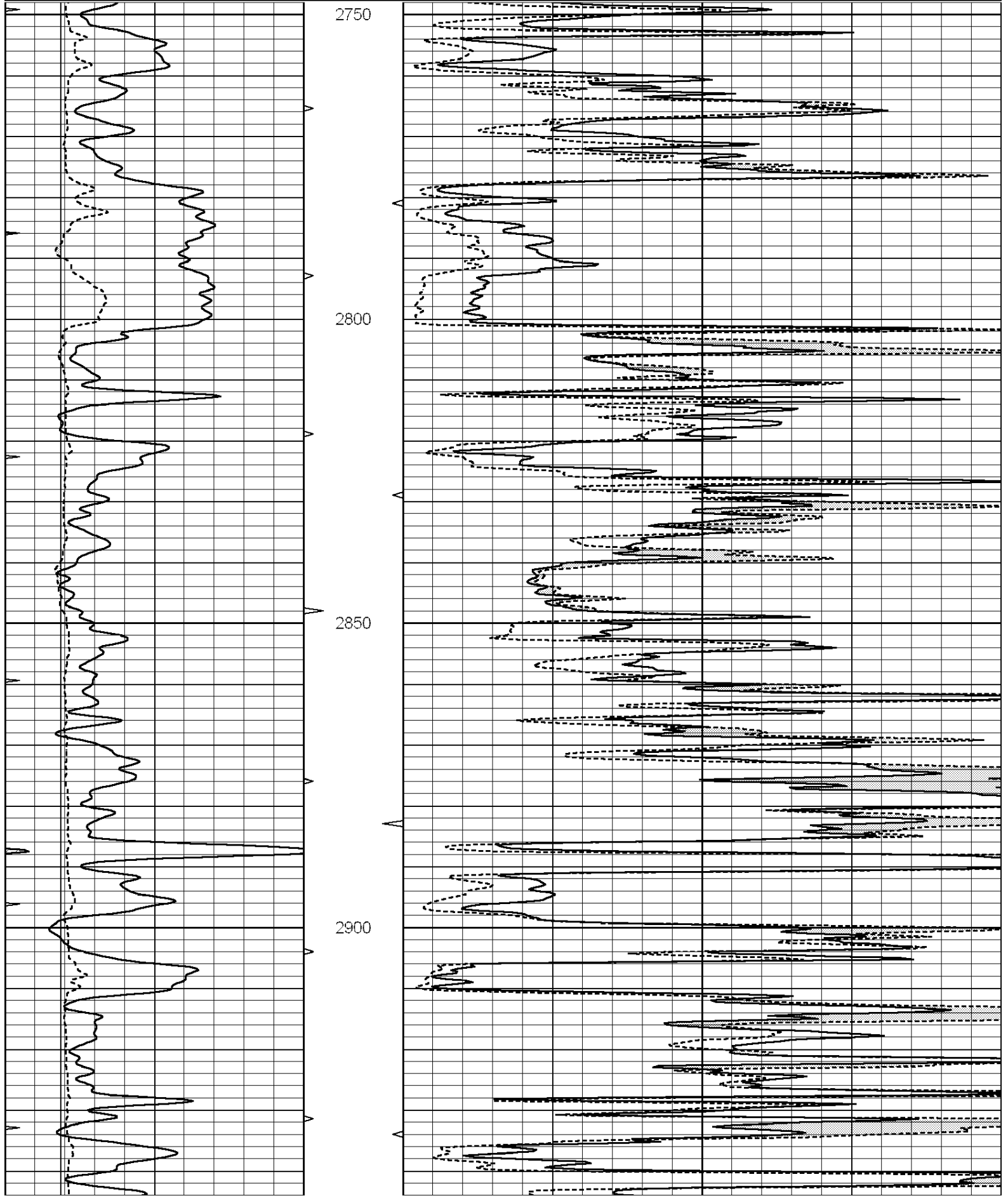
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

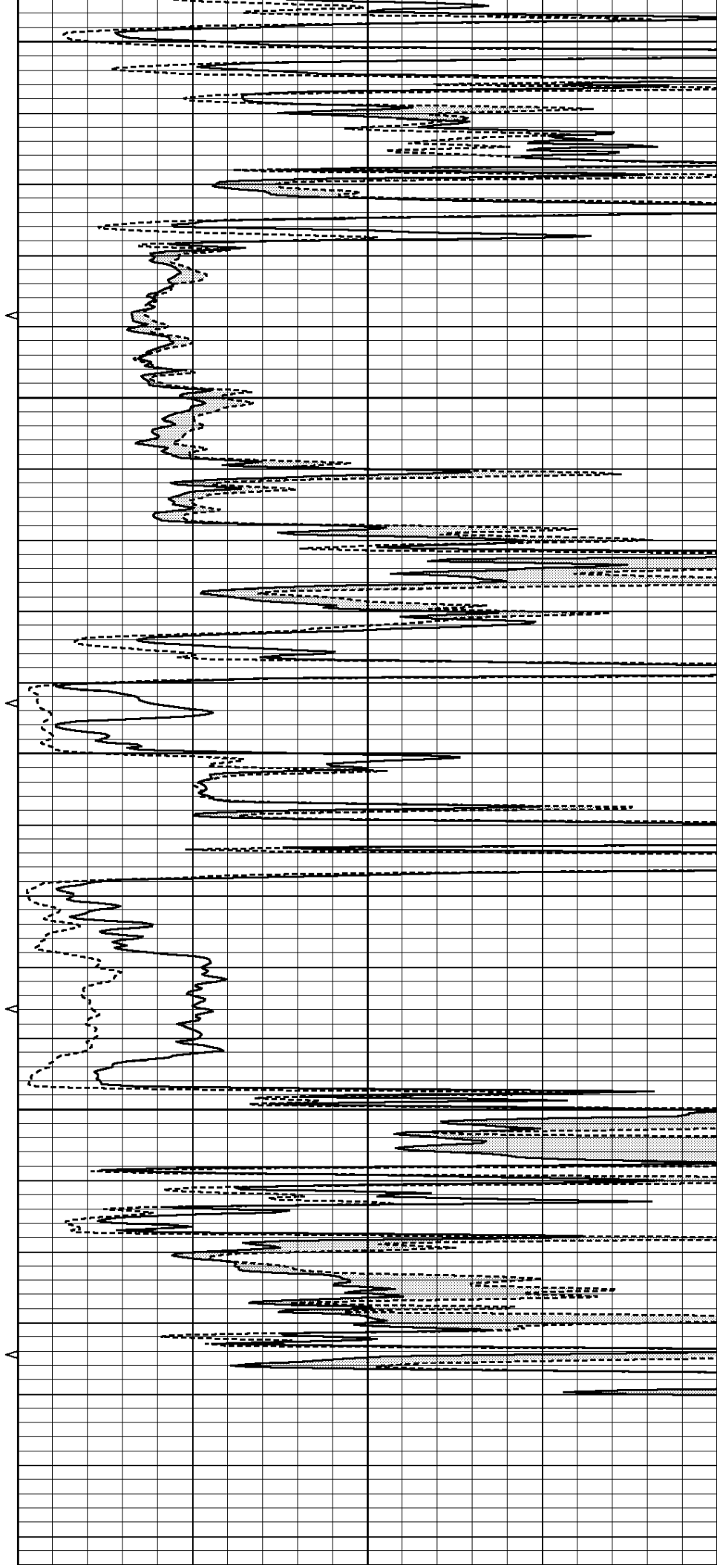
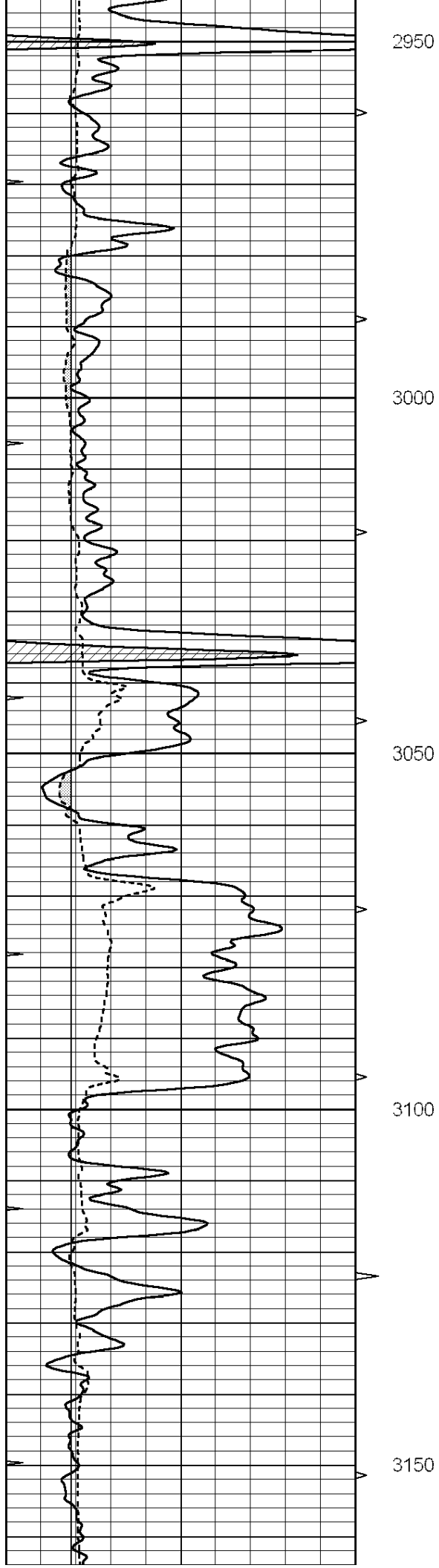
Comments

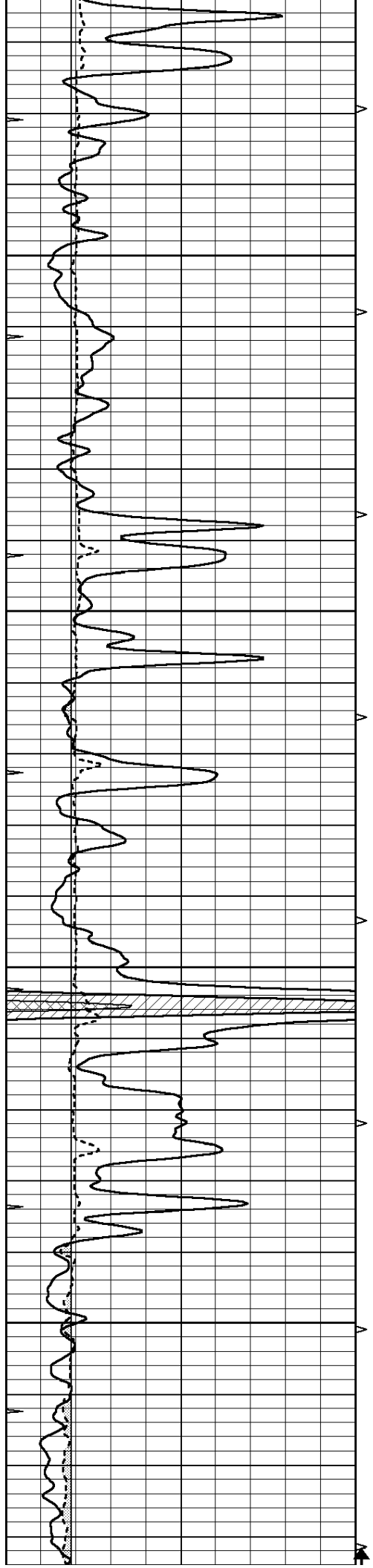
THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS

RUSSELL, KS. - SOUTH ON 281 TO RADKE SIGN WEST 2 MILES SOUTH 1/2 MILE EAST INTO

Charted by:		Depth in Feet scaled 1:2.15				
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







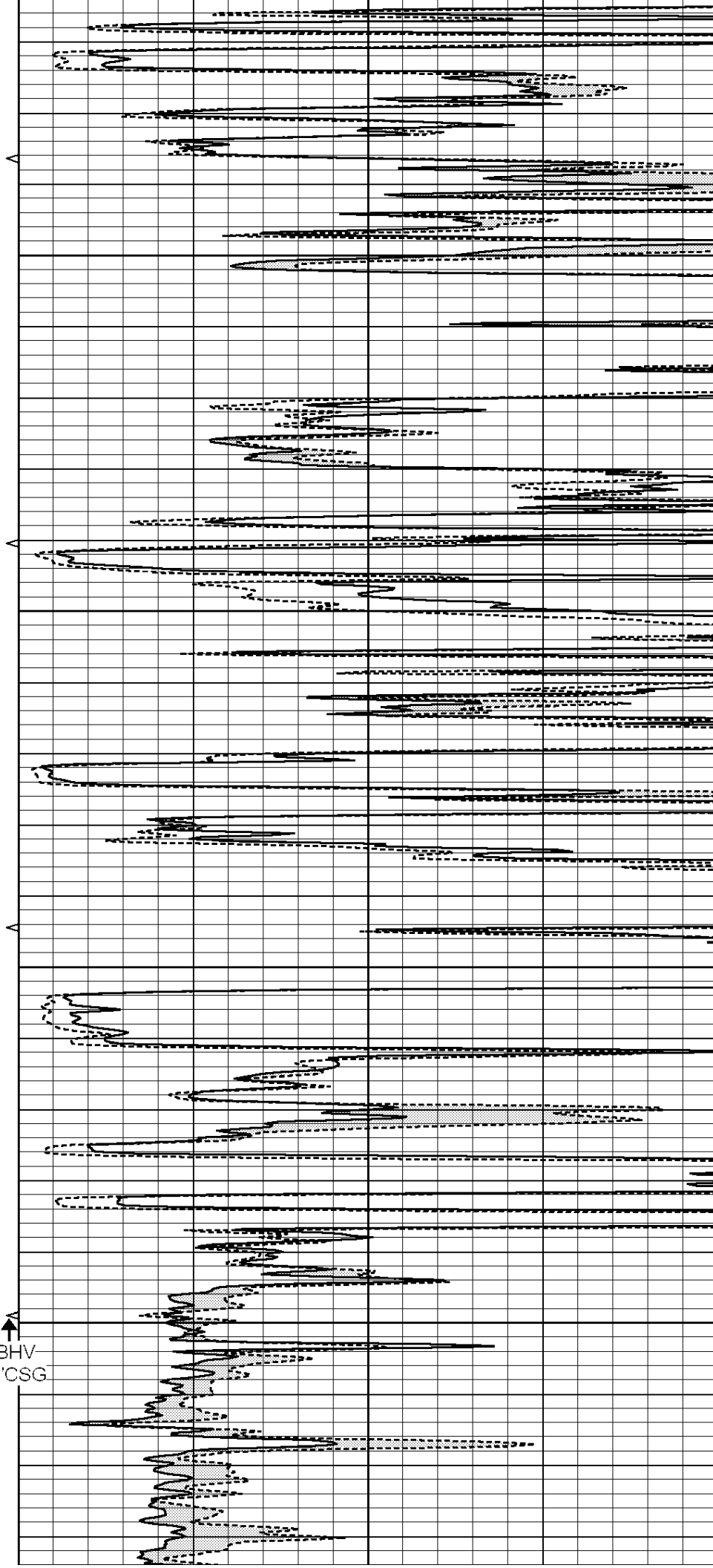
3200

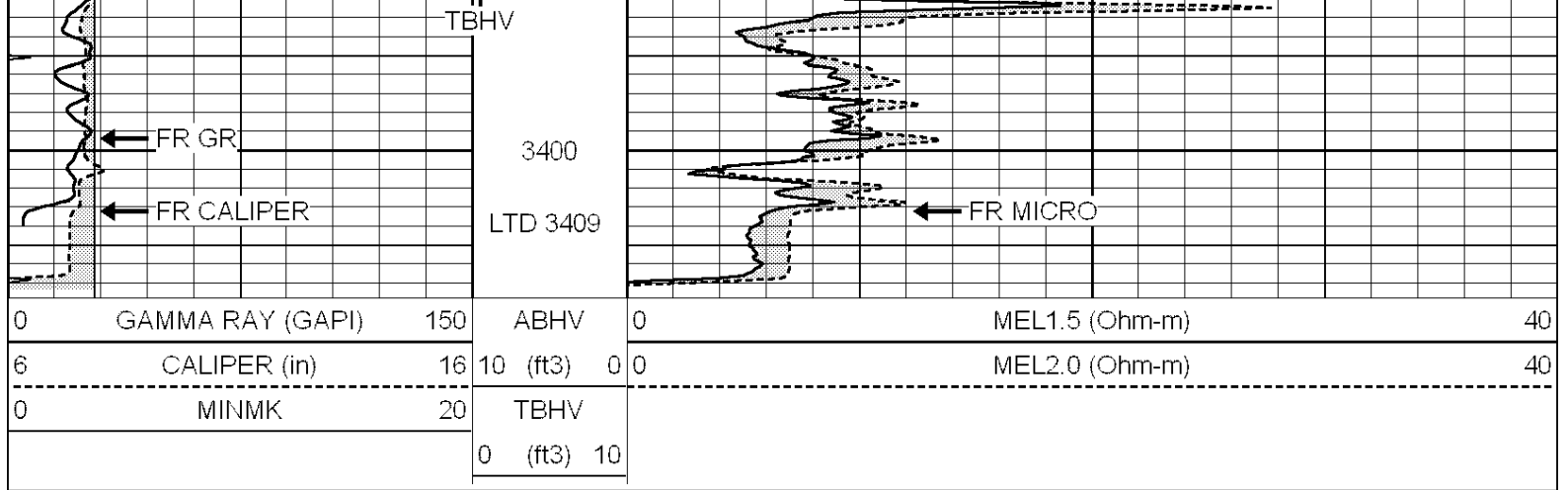
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3300

3350

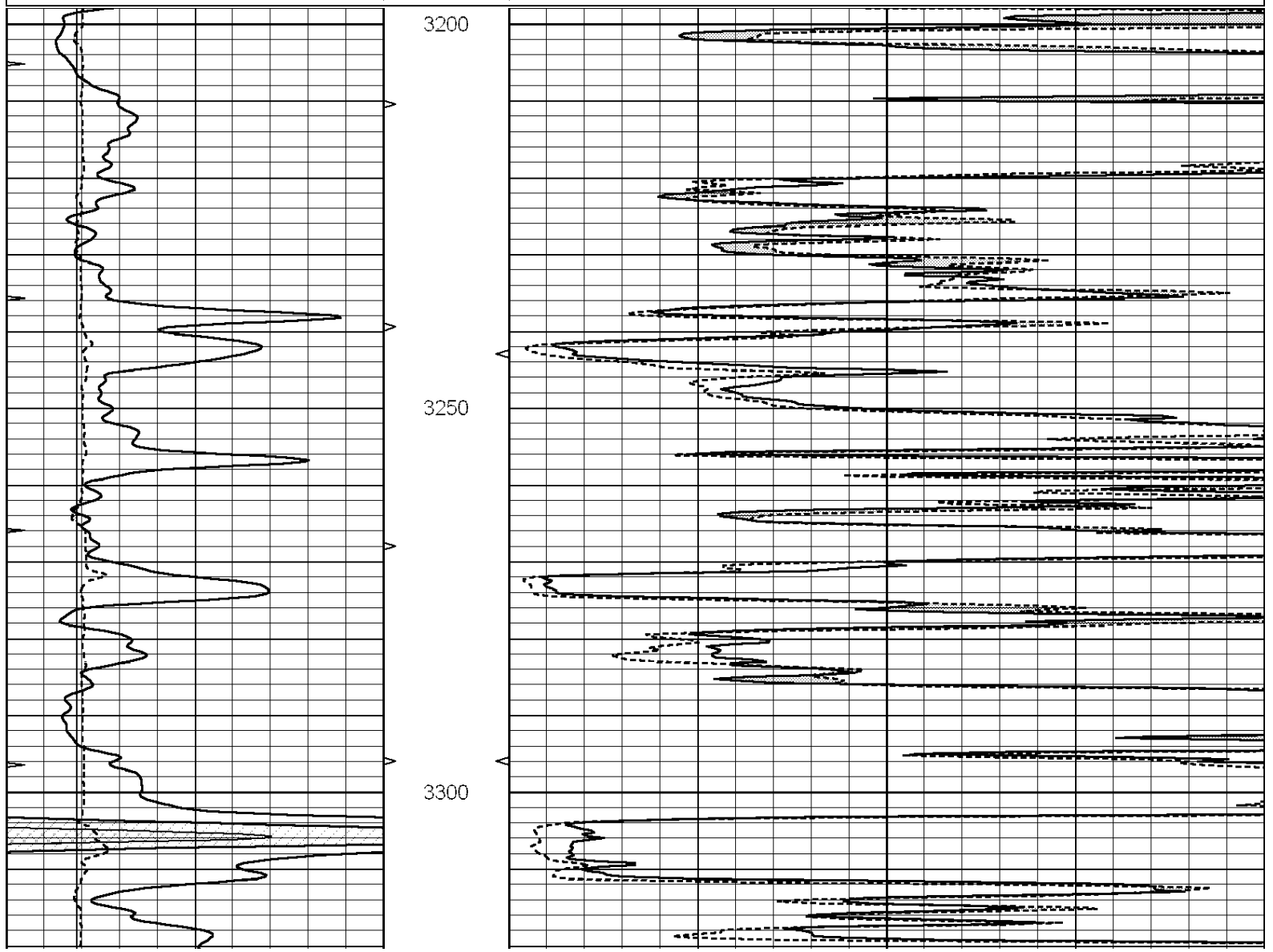
ABHV
5.5"CSG

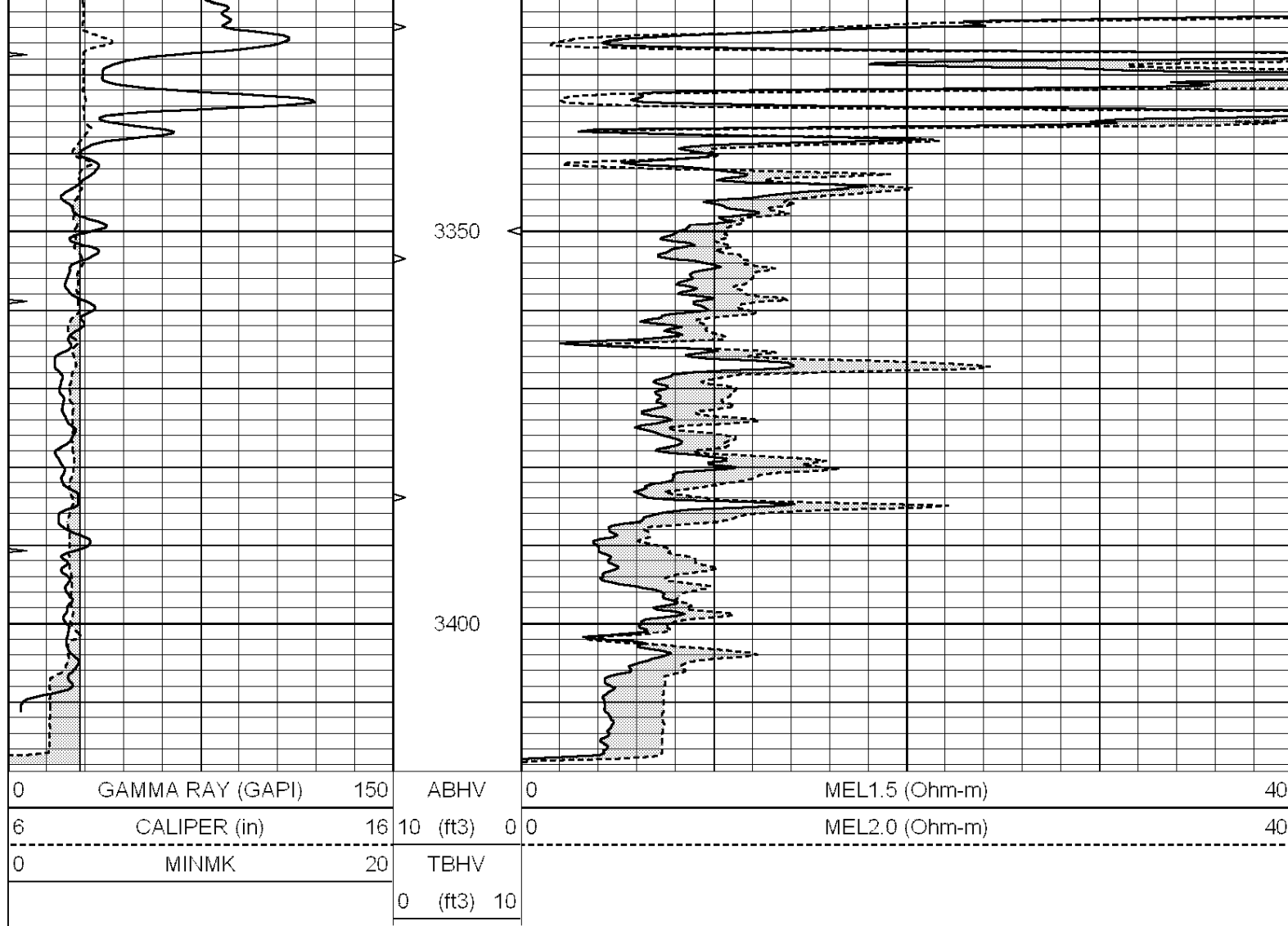




Database File: 010921ddn.db
 Dataset Pathname: pass5.2
 Presentation Format: micro
 Dataset Creation: Mon Jun 10 13:26:02 2013 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 010921ddn.db
 Dataset Pathname: pass6.1
 Dataset Creation: Mon Jun 10 13:42:42 2013 by Calc SOC 120430

MICRO Calibration Report

Serial Number:	2	
Tool Model:	PROBE	
Performed:	Sat Apr 20 17:03:12 2013	
Caliper Calibration:	Gain=6.596	Offset=-4.020
References	Low Cal	High Cal
Readings	7.200	16.000
	1.731	3.065
1.5" Calibration:	Gain=38.000	Offset=-2.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.015	0.458
2" Calibration:	Gain=38.000	Offset=-1.300
References	Low Cal	High Cal
Readings	0.000	20.000
	0.003	0.384

Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Sat Jun 08 15:26:32 2013	

Calibrator Value:	200.0	GAPI
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Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps

Sensitivity:	0.7000	GAPI/cps
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