



SUPERIOR
Hays,
Kansas

MICRO LOG

Company	HERMAN L. LOEB, LLC.	Company	HERMAN L. LOEB, LLC.
Well	BEETZ "A" #3-28	Well	BEETZ "A" #3-28
Field	TRAPP	Field	TRAPP
County	BARTON	County	BARTON
State	KANSAS	State	KANSAS
Location:	AP1 # : 15-009-25694-0000	Other Services	CDL/CNL DIL/SONIC
Permanent Datum	GROUND LEVEL	Elevation	1918
Log Measured From	KELLY BUSHING 9' A.G.L.	Elevation	K.B. 1927 D.F. 1925 G.L. 1918
Drilling Measured From	KELLY BUSHING		
SEC 28 TWP 17S RGE 13W			
815' FSL & 2100' FWL			
SW - NE - SE - SW			
6/24/12			
Run Number	TWO		
Depth Driller	3395		
Depth Logger	3394		
Bottom Logged Interval	3374		
Top Log Interval	2700	1900-1600	
Casing Driller	8 5/8"@869'		
Casing Logger	868		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,700 PPM	
Density / Viscosity	9.0/58		
pH / Fluid Loss	11.0/8.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.850@90F		
Rmt @ Meas. Temp	.636@90F		
Rmc @ Meas. Temp	1.02@90F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.689@111F		
Time Circulation Stopped	9.5 HOURS		
Time Logger on Bottom	7:15 P.M.		
Maximum Recorded Temperature	111F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	TOM PRONOLD		

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
HOISINGTON, KS. 1N. OF "DAIRY QUEEN" ON (SUSANK BLKTOP), 1/2E., N. INTO

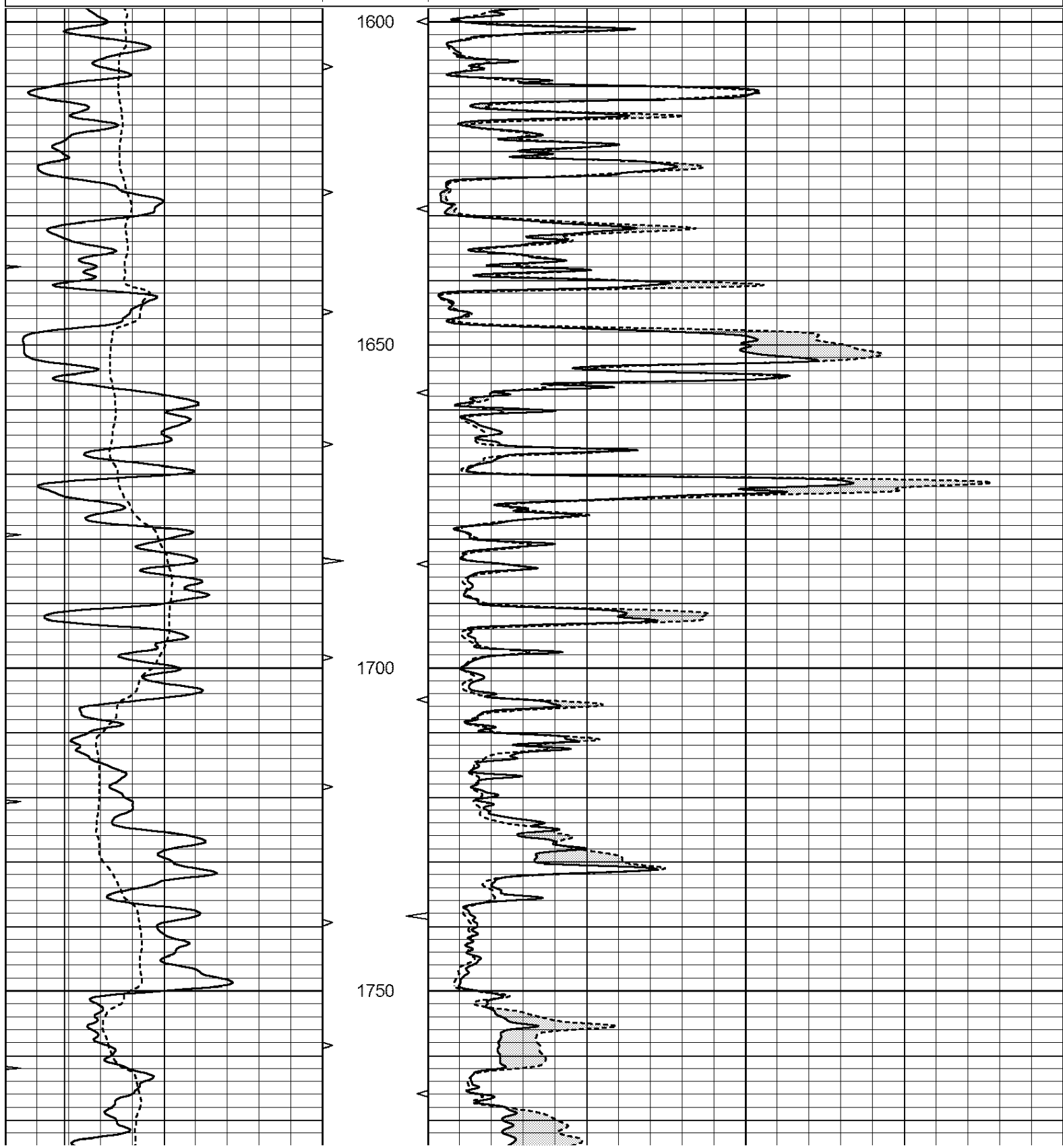


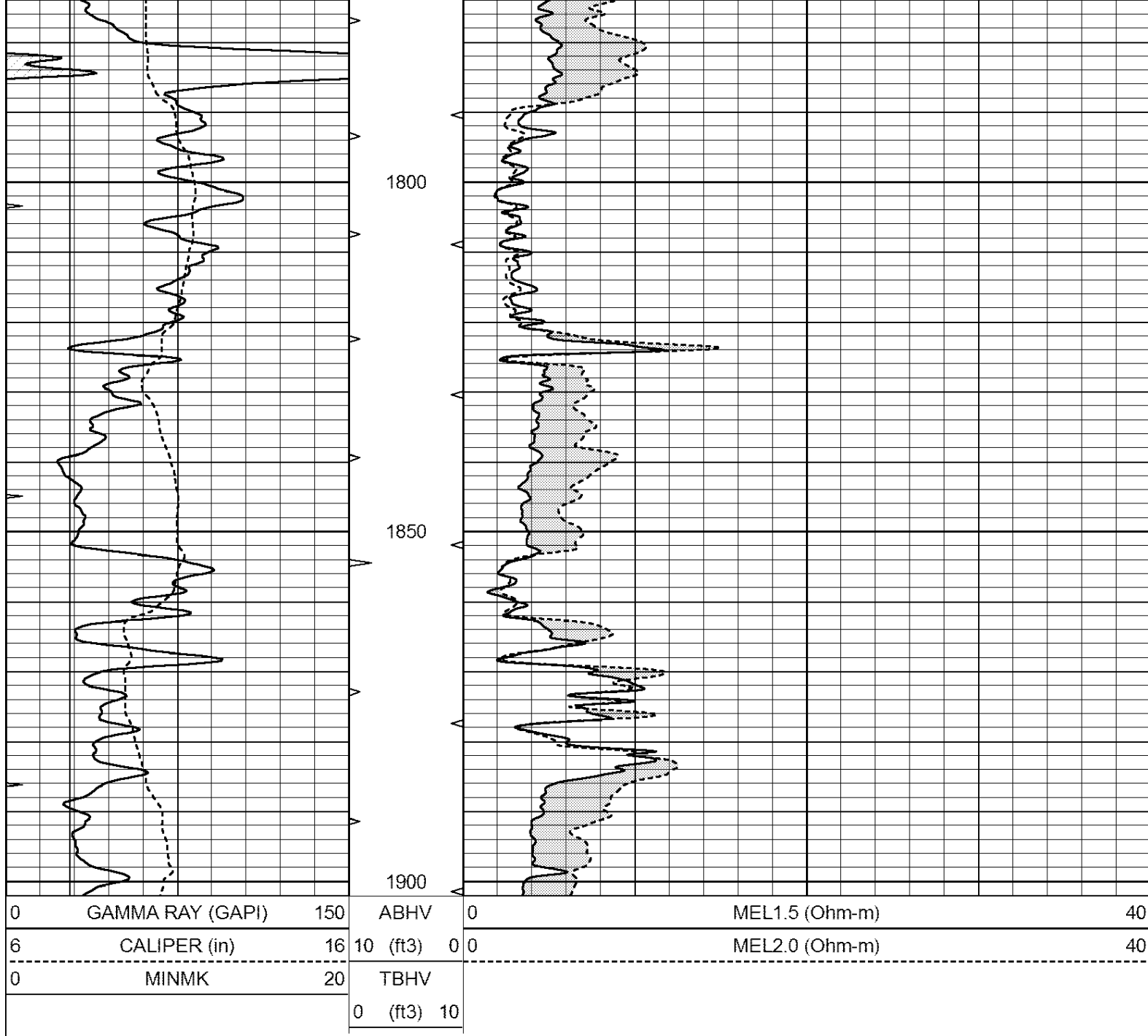
SUPERIOR
Hays,
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UPPER SECTION

Database File: 409144ddn.db
 Dataset Pathname: pass6.4
 Presentation Format: micro
 Dataset Creation: Sun Jun 24 22:18:50 2012
 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	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





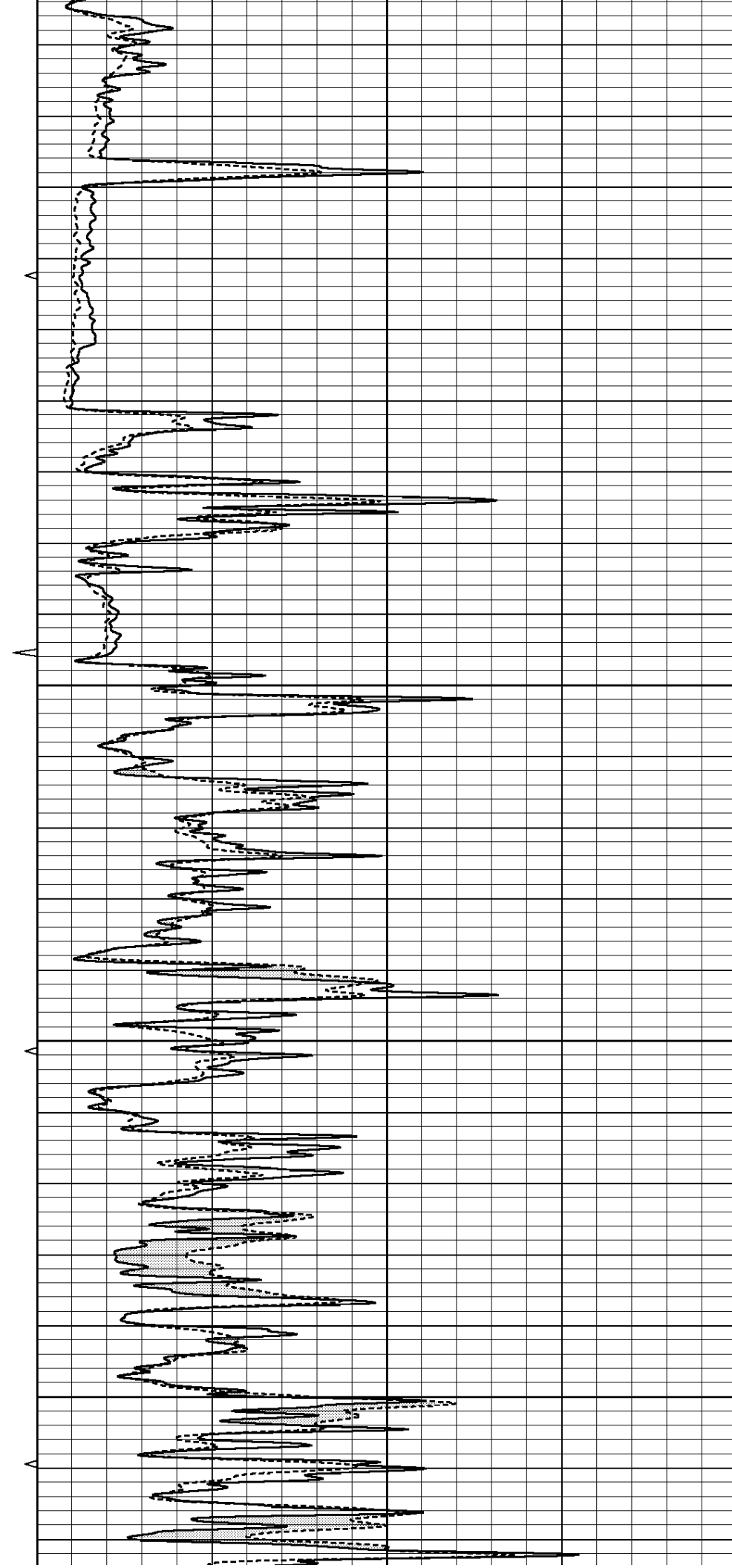
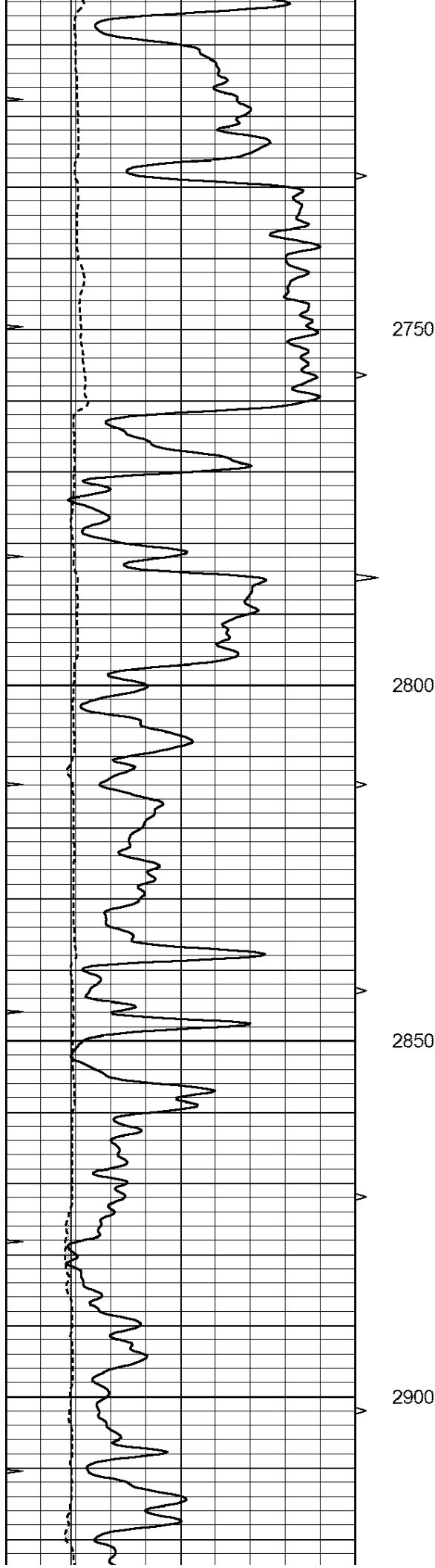
SUPERIOR
Hays,
Kansas

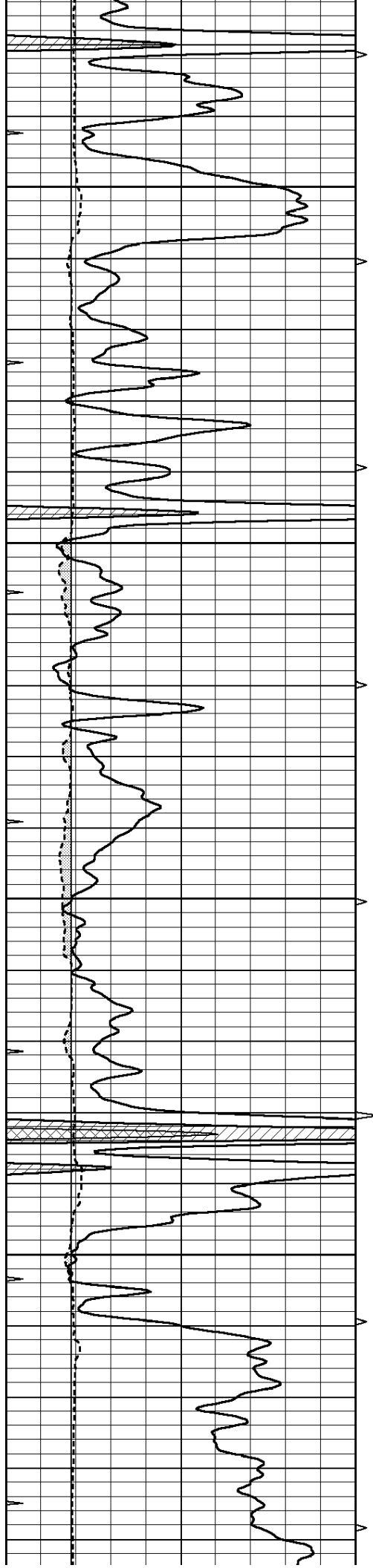
MAIN SECTION

Database File: 409144ddn.db
 Dataset Pathname: pass6.3
 Presentation Format: micro
 Dataset Creation: Sun Jun 24 22:15:29 2012
 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		





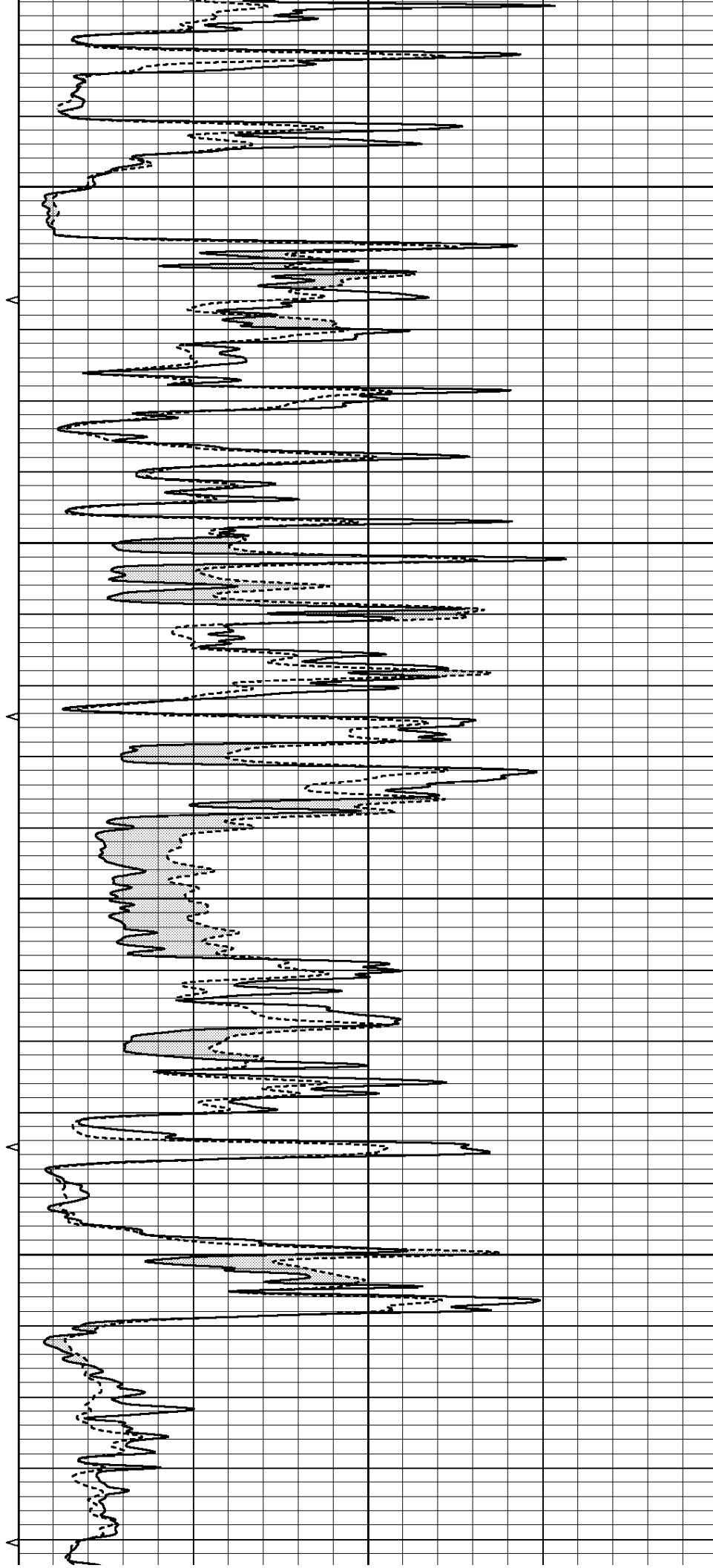


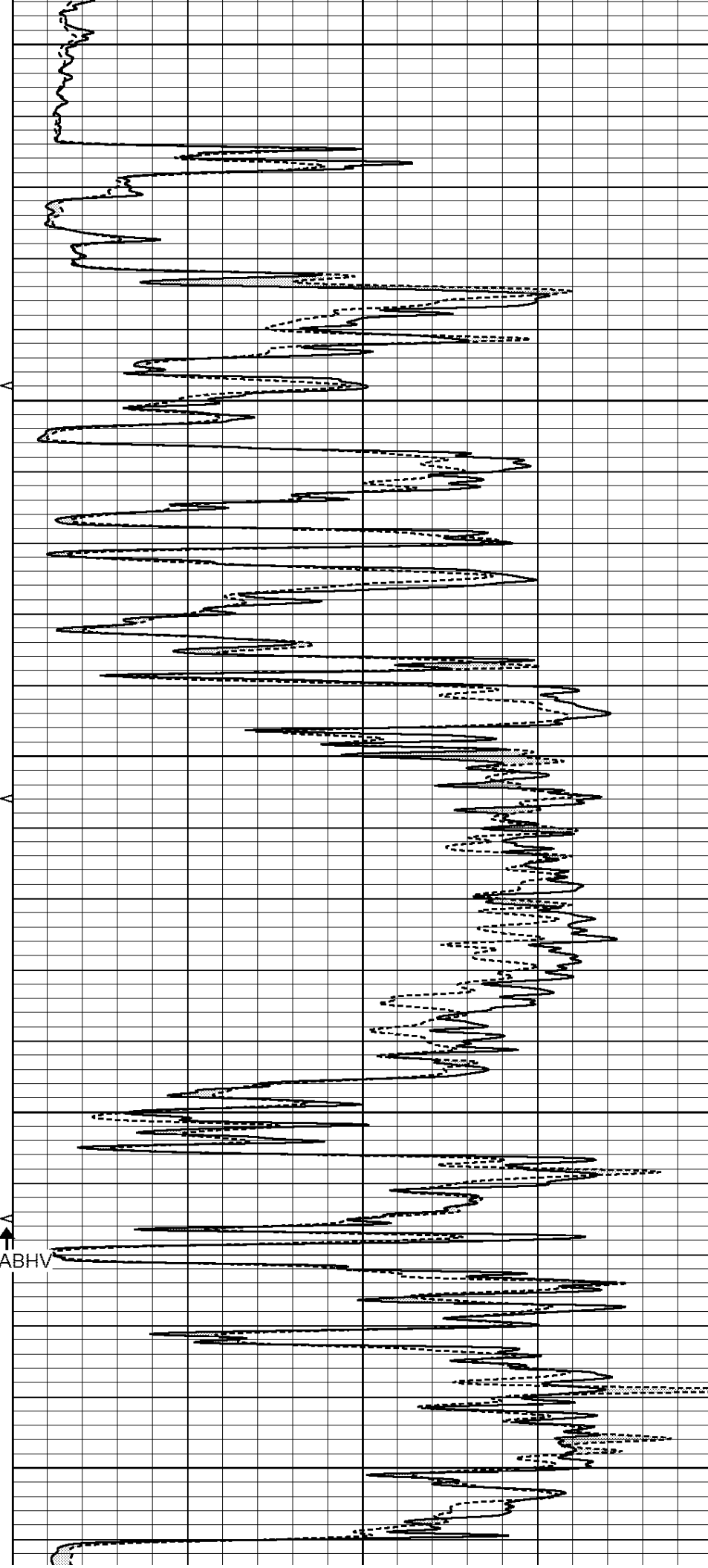
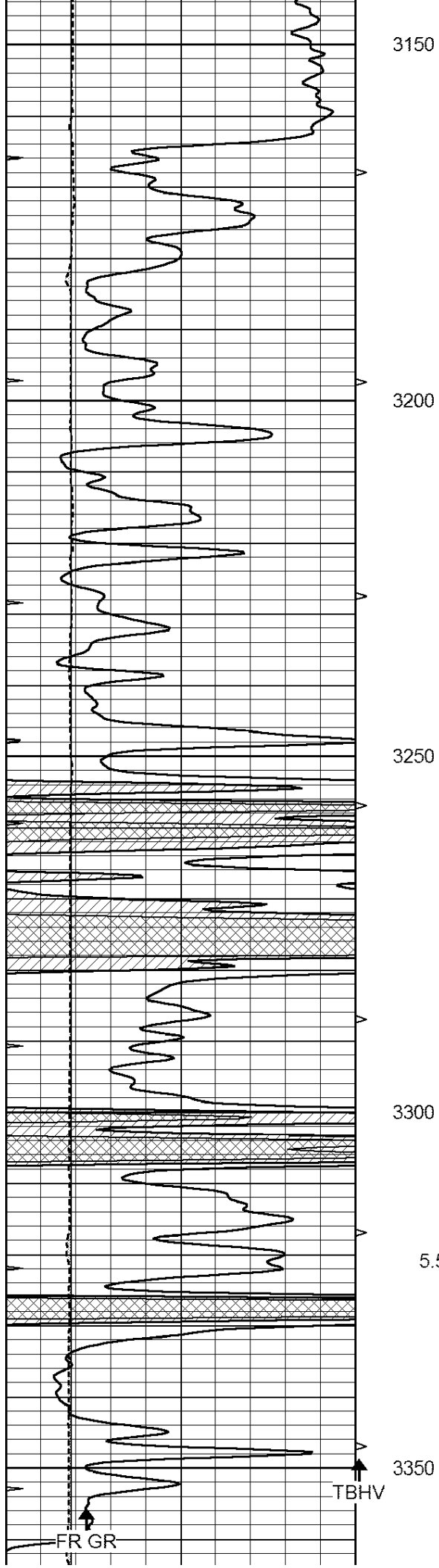
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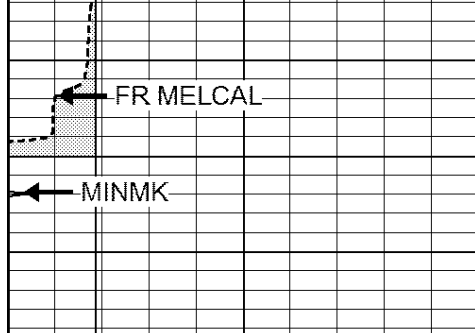
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3050

3100



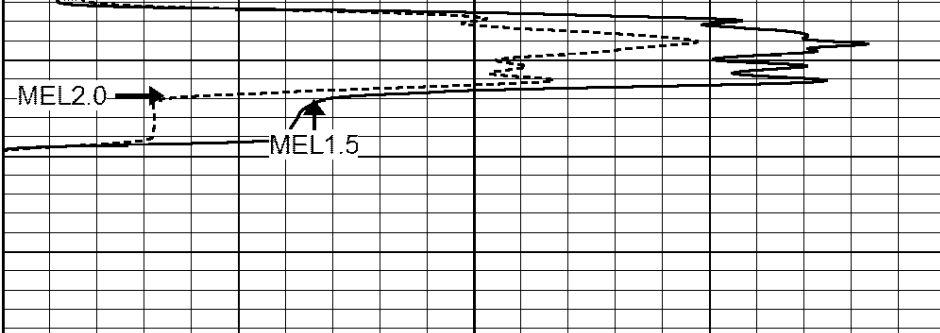




LTD 3394

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
0	MINMK	20

ABHV	0
(ft3)	10
TBHV	0
(ft3)	10



MEL1.5 (Ohm-m)	40
MEL2.0 (Ohm-m)	40



SUPERIOR
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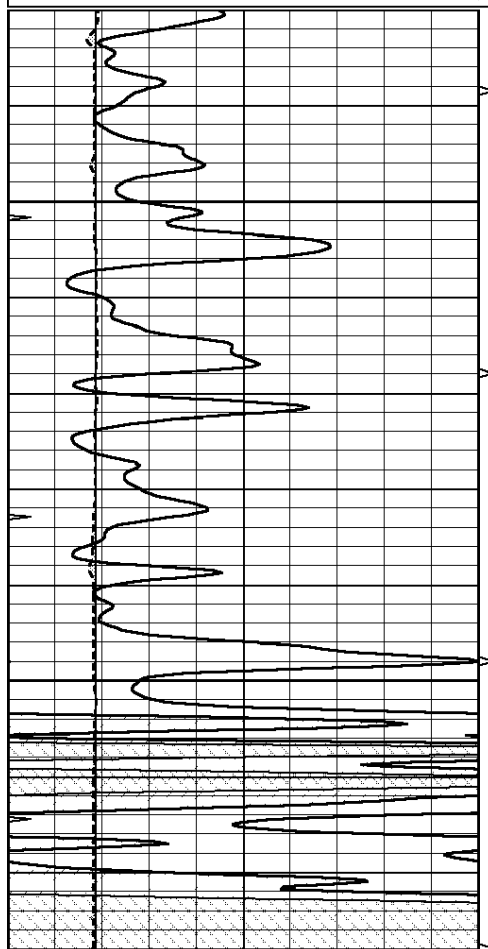
REPEAT SECTION

Database File: 409144ddn.db
Dataset Pathname: pass5.5
Presentation Format: micro
Dataset Creation: Sun Jun 24 22:12:24 2012
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
0	MINMK	20

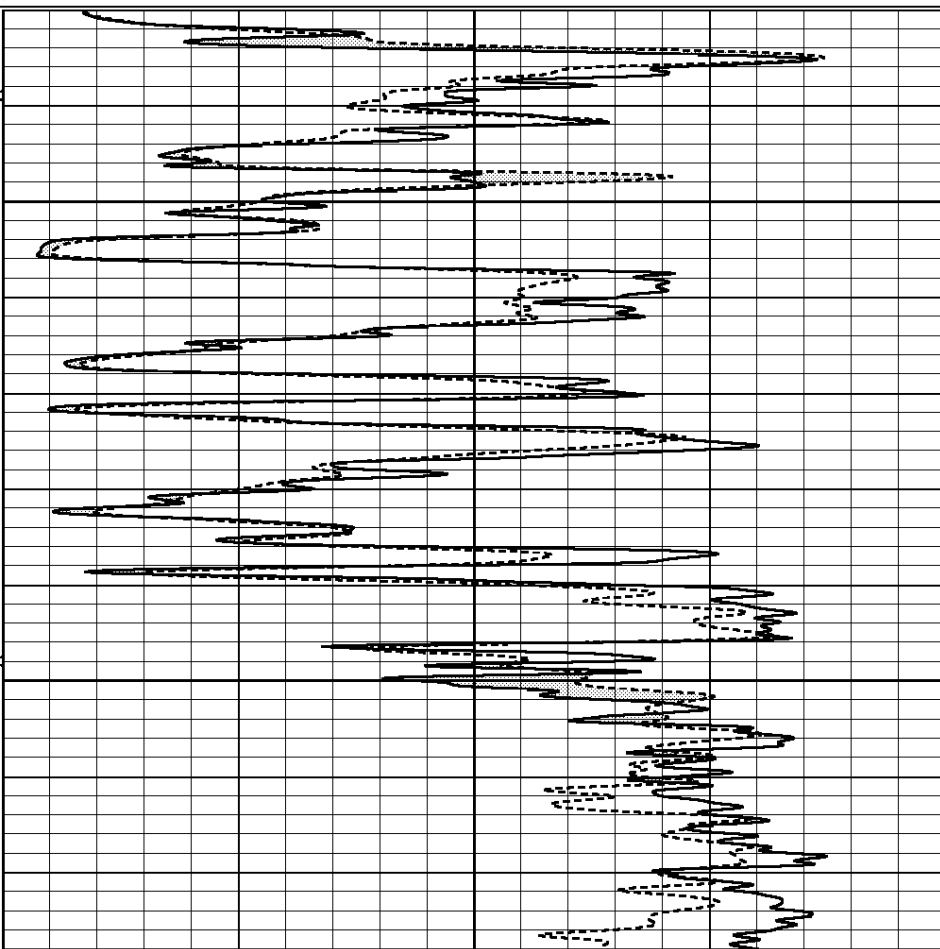
ABHV	0
(ft3)	10
TBHV	0
(ft3)	10

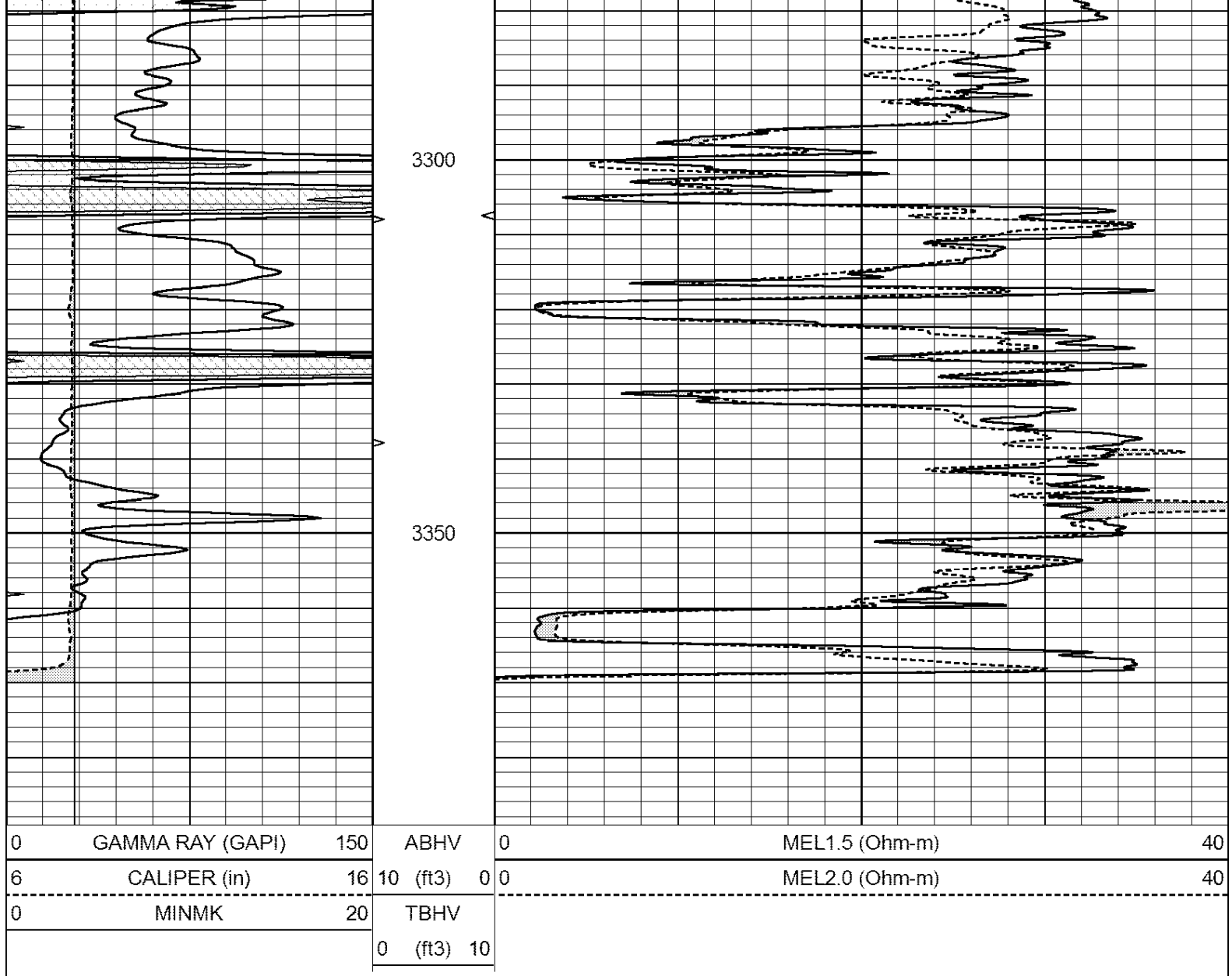
MEL1.5 (Ohm-m)	40
MEL2.0 (Ohm-m)	40



3200

3250





Calibration Report			
Database File:	409144ddn.db		
Dataset Pathname:	pass6.3		
Dataset Creation:	Sun Jun 24 22:15:29 2012		
MICRO Calibration Report			
Serial Number:	2		
Tool Model:	PROBE		
Performed:	Wed Jun 20 22:56:08 2012		
Caliper Calibration:	Gain=3.988	Offset=3.692	
	Low Cal	High Cal	
References	8.200	15.000	
Readings	1.130	2.835	
1.5" Calibration:	Gain=22.000	Offset=-0.200	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.065	1.210	
2" Calibration:	Gain=50.000	Offset=-0.500	
	Low Cal	High Cal	

References	0.000	20.000
Readings	0.012	1.043
Gamma Ray Calibration Report		
Serial Number:	GR4	
Tool Model:	OPEN	
Performed:	Wed Jun 20 22:56:12 2012	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	189.0	cps
Sensitivity:	2.0000	GAPI/cps