



SUPERIOR
Hays,
Kansas

MICRO
LOG

Company DEUTSCH OIL COMPANY
Well SCHAFFER TRUST #1-6
Field WILDCAT
County HODGEMAN
State KANSAS

Company DEUTSCH OIL COMPANY
Well SCHAFFER TRUST #1-6
Field WILDCAT
County HODGEMAN State KANSAS

Location: API # : 15-083-21766-0000

450' FNL & 1220' FWL

SEC 6 TWP 24S RGE 23W

Permanent Datum GROUND LEVEL Elevation 2460
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL
DIL/SONIC
Elevation
K.B. 2470
D.F. 2468
G.L. 2460

Date	4/25/12		
Run Number	TWO		
Depth Driller	4900		
Depth Logger	4905		
Bottom Logged Interval	4883		
Top Log Interval	3800	2500-2900	
Casing Driller	8 5/8"@264'		
Casing Logger	267		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,900 PPM	
Density / Viscosity	9.3/47		
pH / Fluid Loss	10.5/9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.850@80F		
Rmt @ Meas. Temp	.636@80F		
Rmc @ Meas. Temp	1.02@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.548@124F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	11:00 A.M.		
Maximum Recorded Temperature	124F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KENT DEUTSCH		

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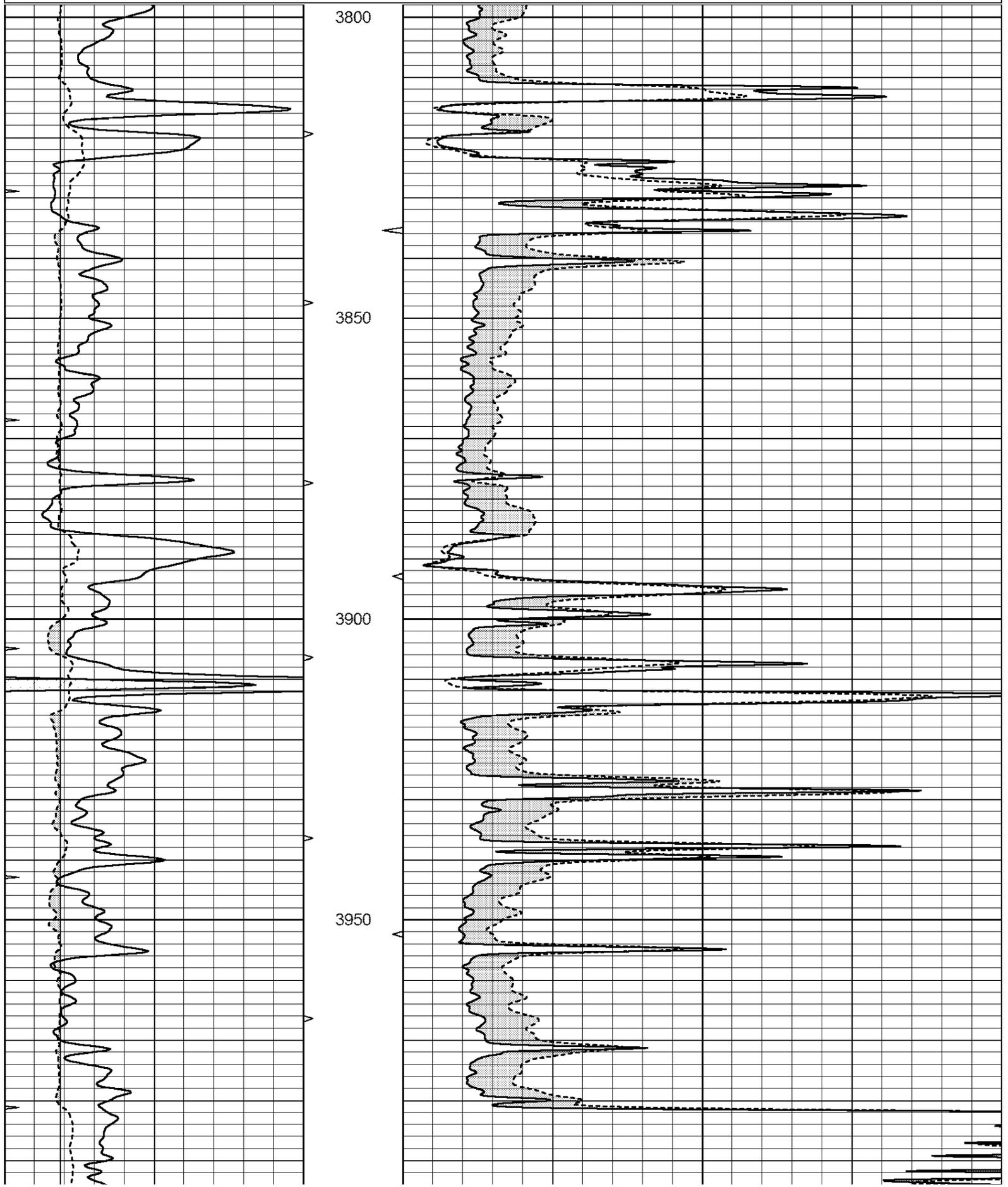
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

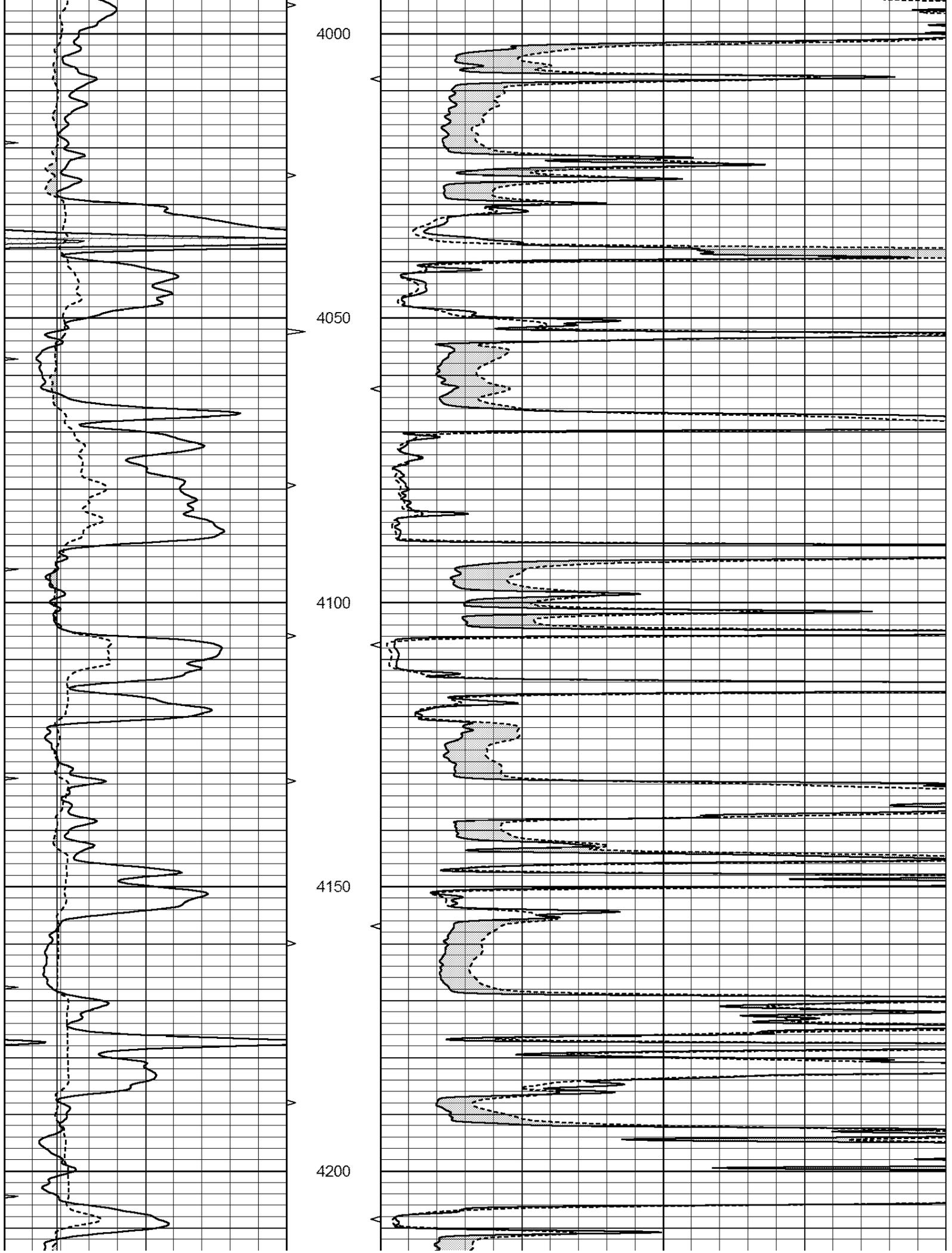
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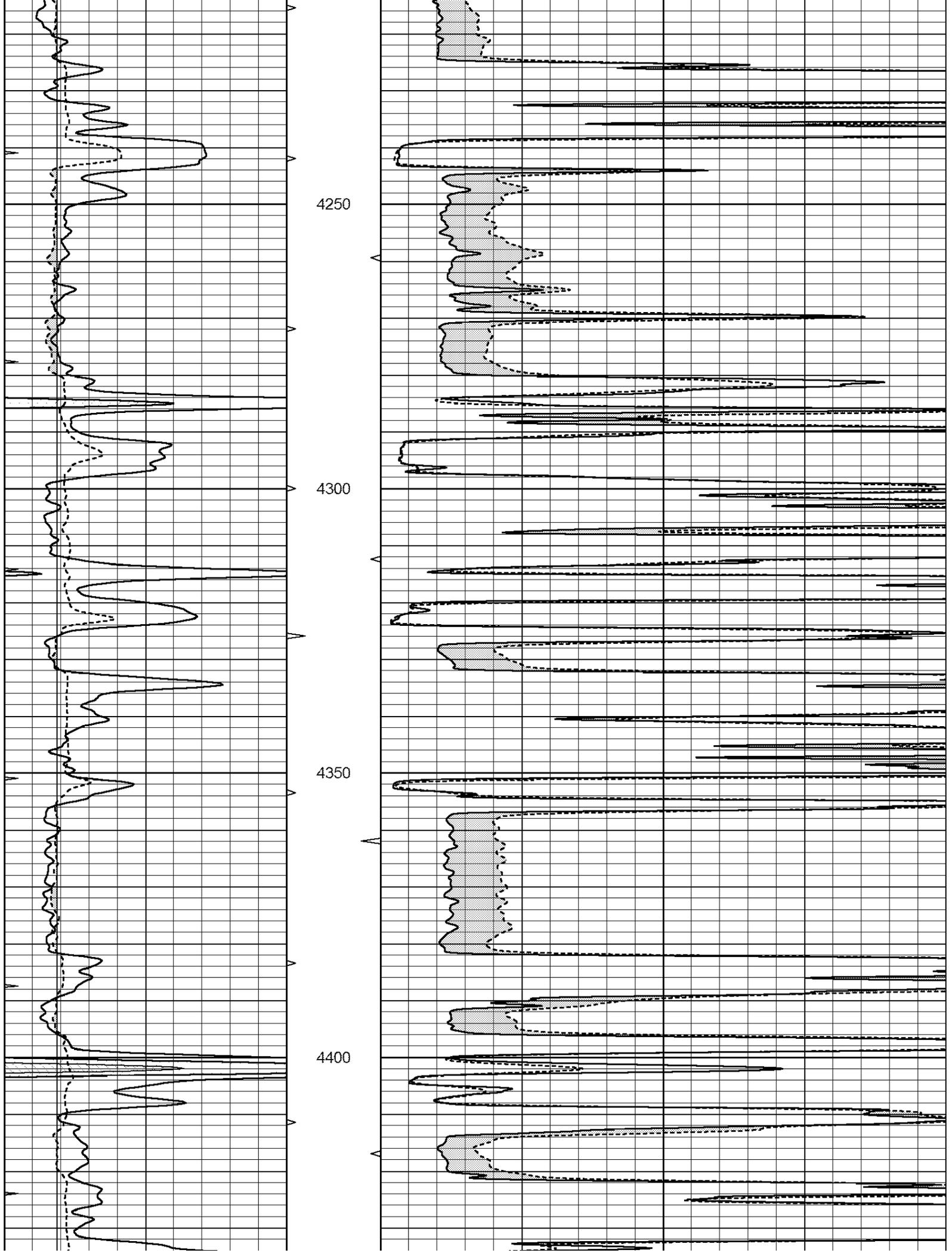
THANK YOU FOR USING SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
JETMORE, KS. (HWY 156 & 283) 6S. ON HWY 283, 1/2E., S. INTO

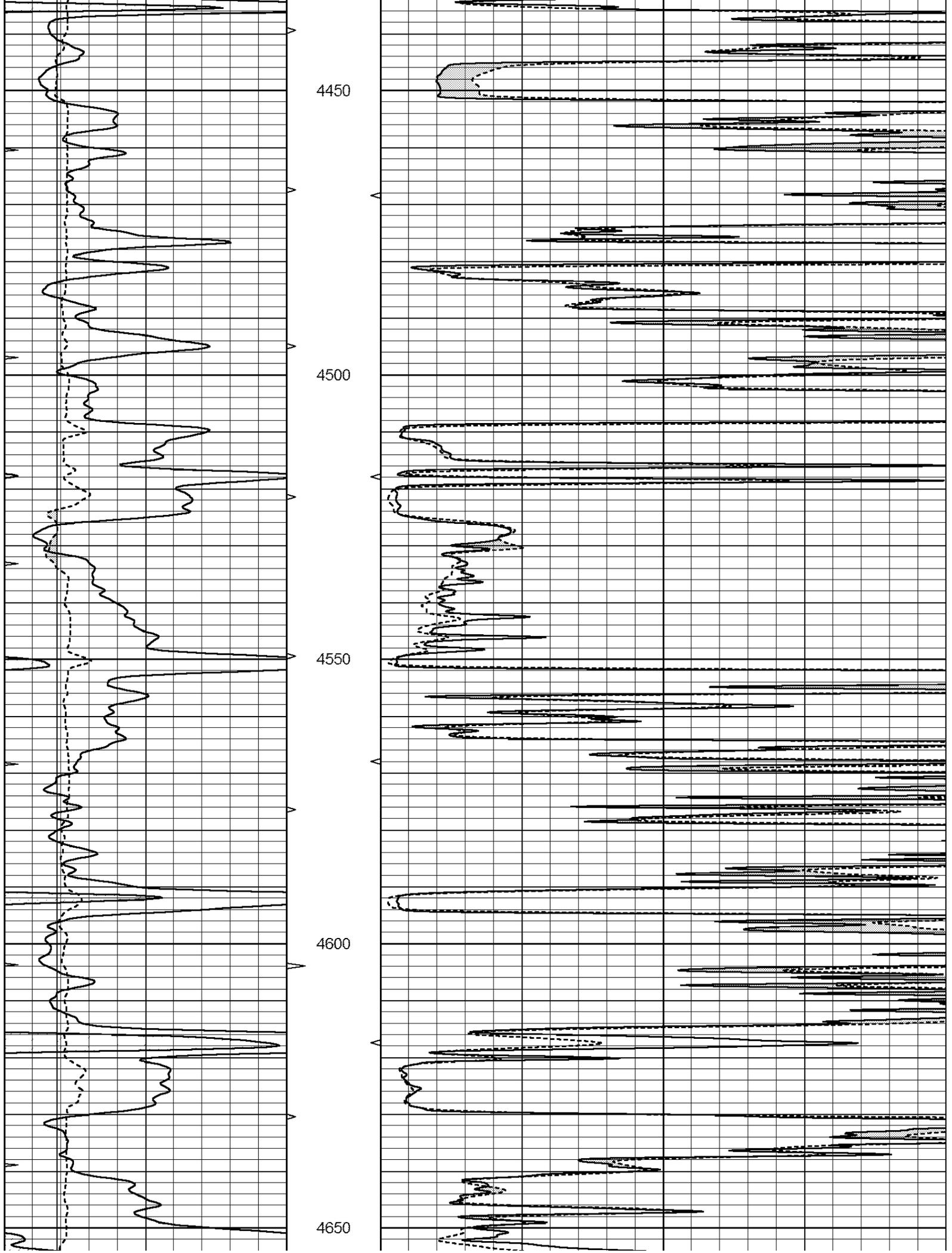
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Presentation Format: _micro
Dataset Creation: Wed Apr 25 14:47:40 2012
Charted by: Depth in Feet scaled 1:240

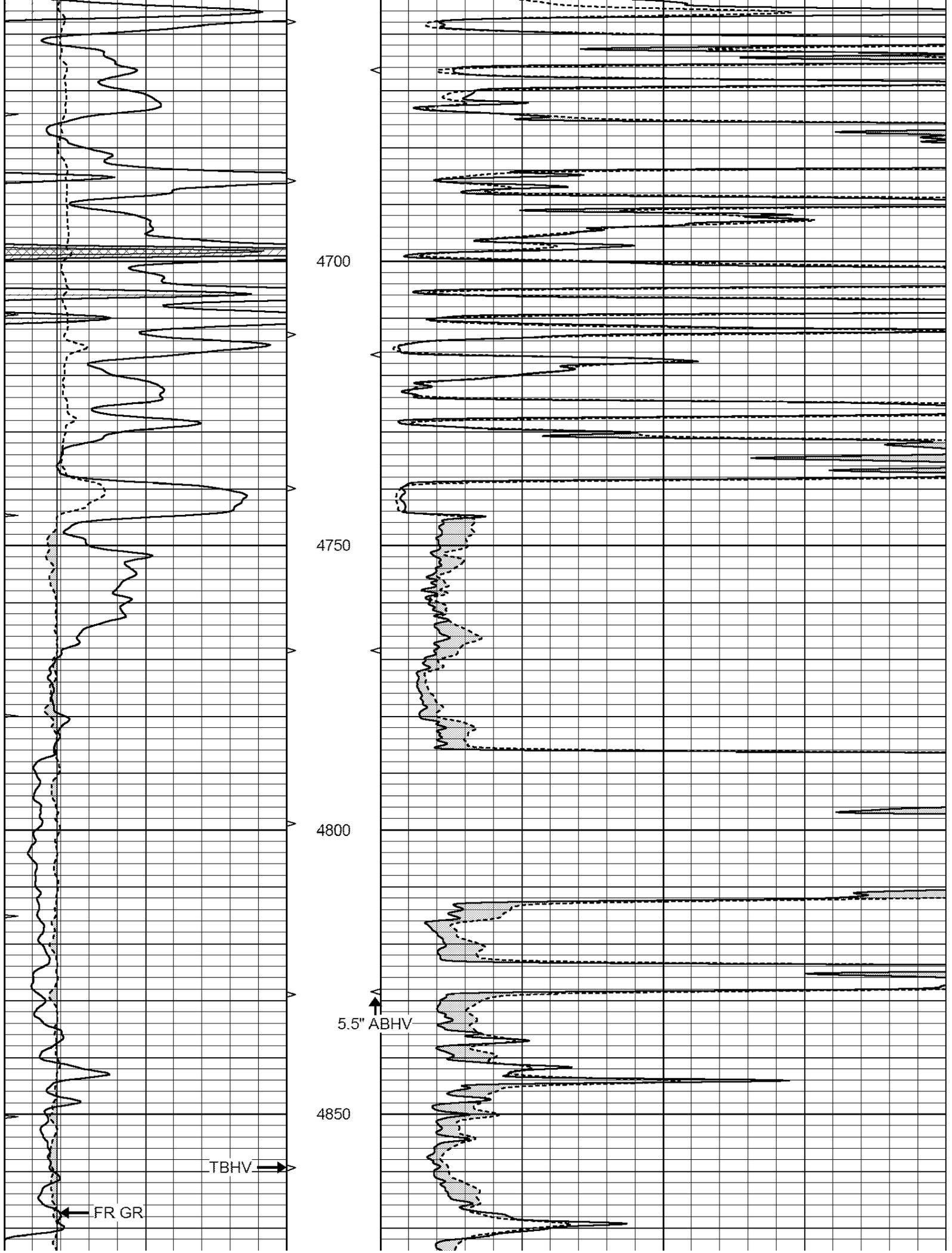
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

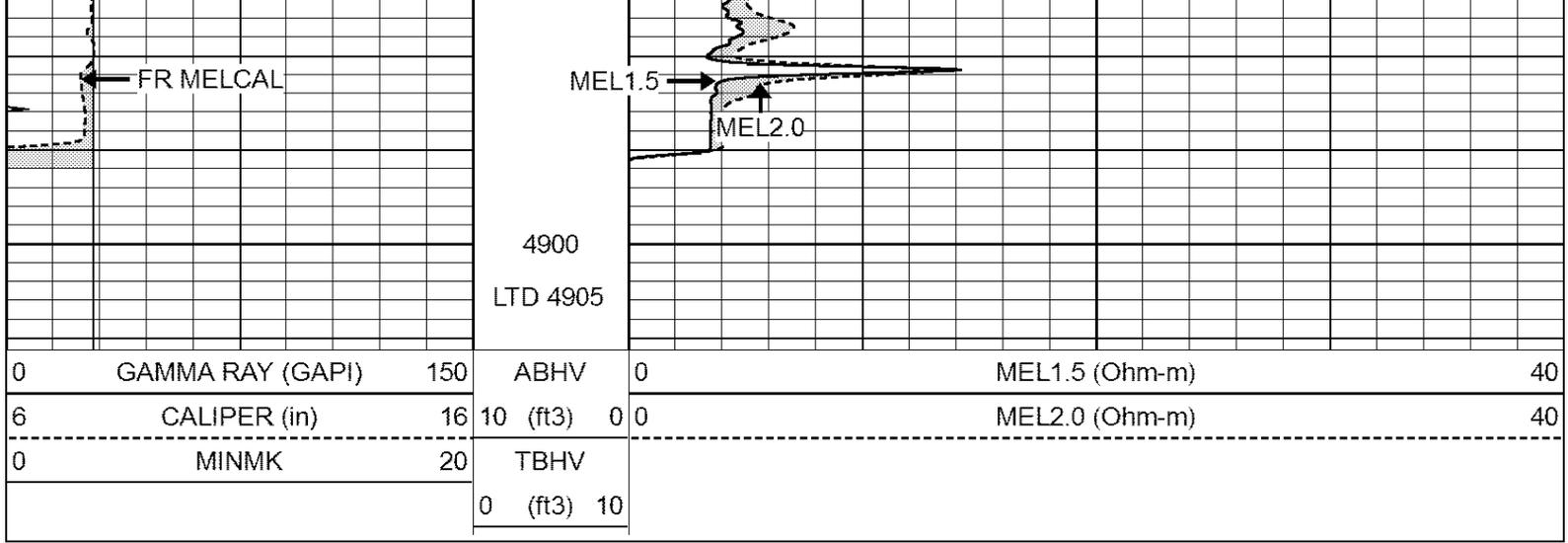










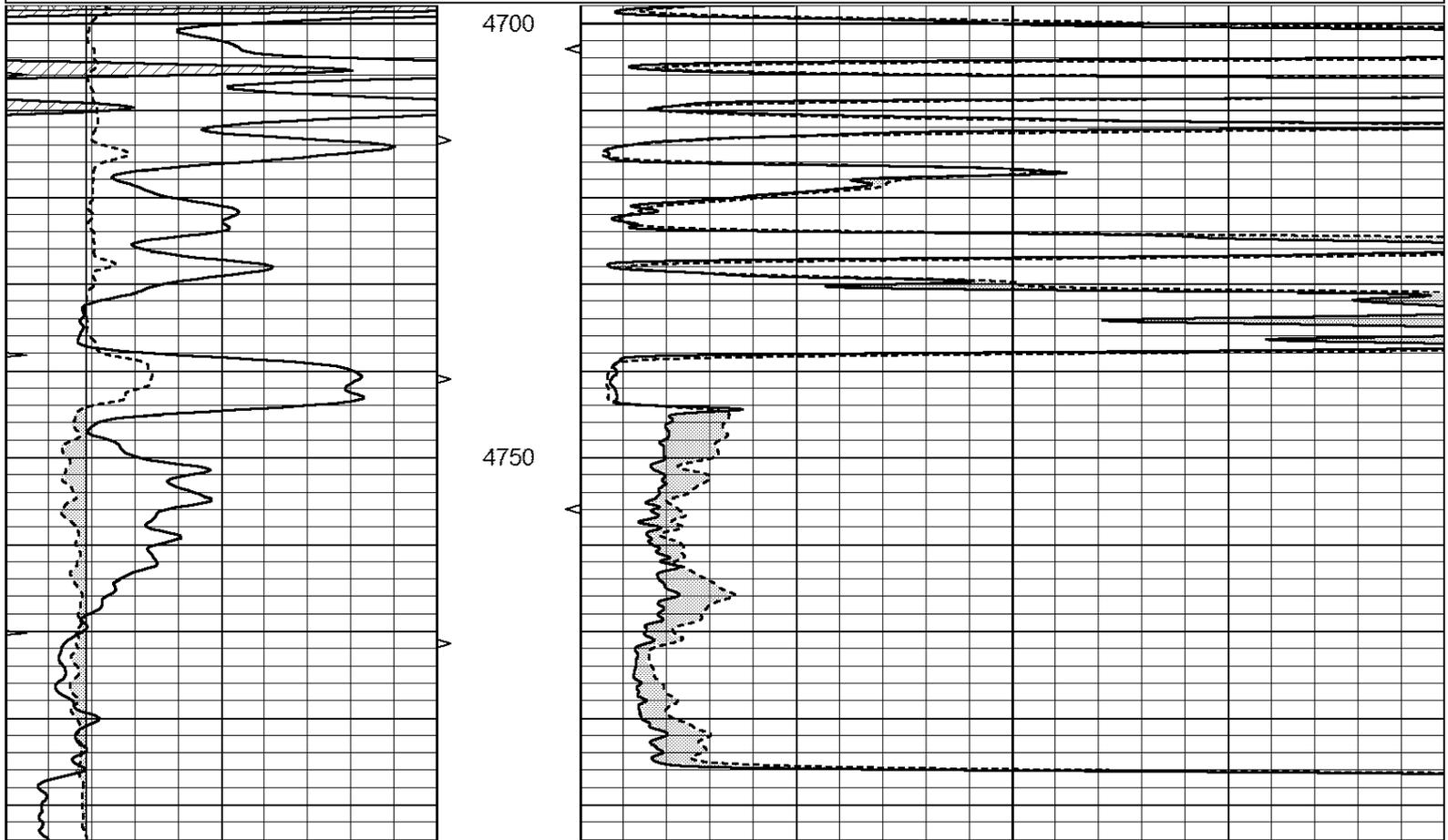


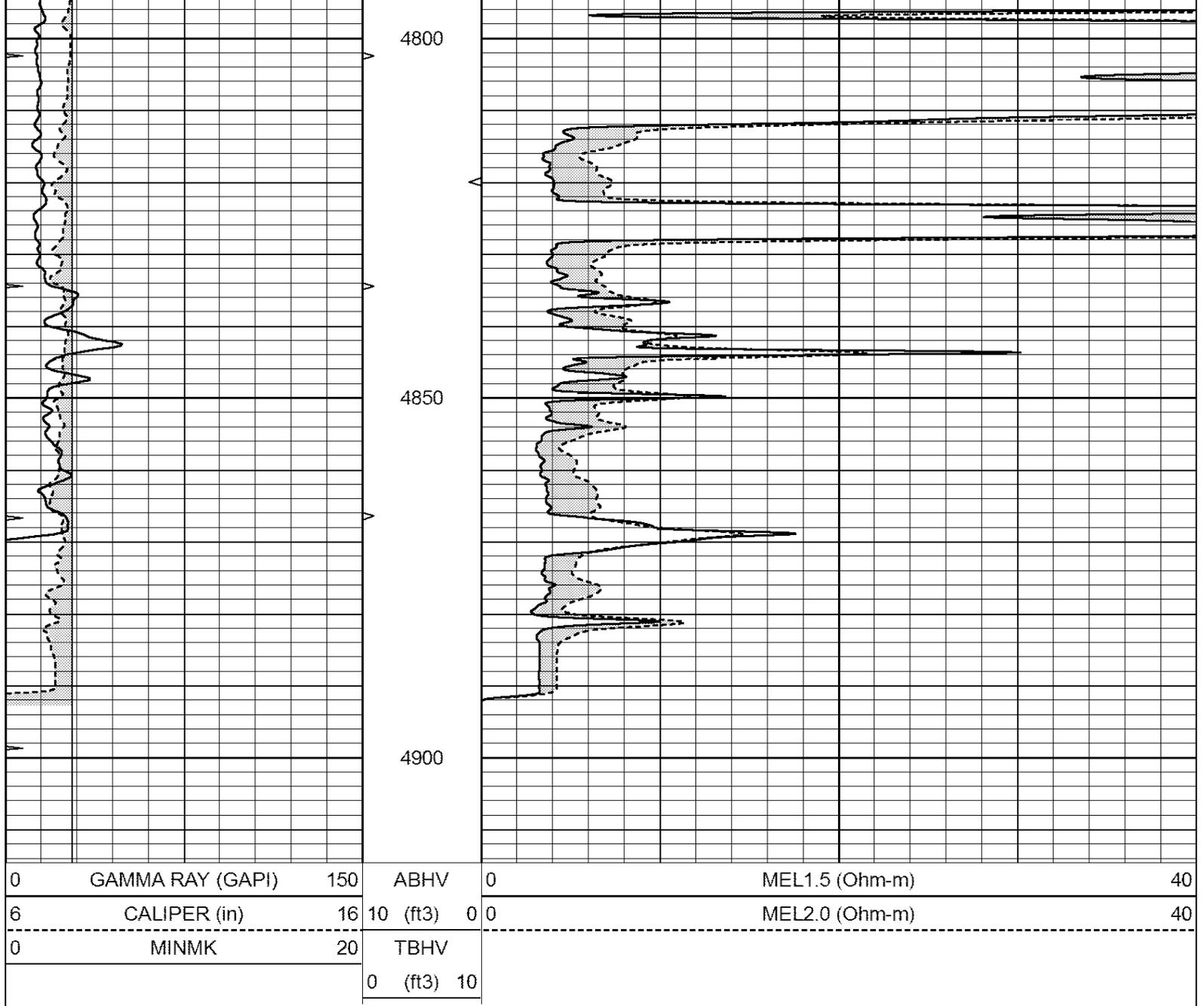
SUPERIOR
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REPEAT SECTION

Database File: 408754ddn.db
 Dataset Pathname: pass5.1
 Presentation Format: micro
 Dataset Creation: Wed Apr 25 13:54:57 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			





Calibration Report

Database File: 408754ddn.db
 Dataset Pathname: pass6.2
 Dataset Creation: Wed Apr 25 14:47:40 2012

MICRO Calibration Report

Serial Number: MICRO5
 Tool Model: PROBE
 Performed: Tue Apr 17 10:50:07 2012

Caliper Calibration: Gain=2.846 Offset=-0.500

References	Low Cal	High Cal
Readings	8.300	14.500
	3.092	5.270

1.5" Calibration: Gain=20.000 Offset=0.000

References	Low Cal	High Cal
Readings	0.000	20.000
	-0.002	0.981

2" Calibration:

Gain=38.000

Offset=-1.000

References
Readings

Low Cal
0.000
0.002

High Cal
20.000
0.898

Gamma Ray Calibration Report

Serial Number:
Tool Model:
Performed:

GR4
OPEN
Tue Apr 17 10:50:05 2012

Calibrator Value:

200.0

GAPI

Background Reading:
Calibrator Reading:

0.0
189.0

cps
cps

Sensitivity:

2.2000

GAPI/cps