



**SUPERIOR
Hays,
Kansas**

COMPENSATED DENSITY/NEUTRON LOG

Company RAYMOND OIL COMPANY, INC.
Well #1 HABIGER LIVING TRUST
Field WILDCAT
County LANE
State KANSAS

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Location: API # : 15-101-22219-0000
470' FNL & 1136' FEL
SEC 28 TWP 18S RGE 27W
Permanent Datum GROUND LEVEL Elevation 2654
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
MEL/DIL
SONIC
Elevation
K.B. 2659
D.F. 2657
G.L. 2654

Date	3-19-10		
Run Number	CNE		
Depth Driller	4660		
Depth Logger	4661		
Bottom Logged Interval	4637		
Top Log Interval	3400		
Casing Driller	8 5/8" @ 248		
Casing Logger	248		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6000 PPM	
Density / Viscosity	9.5/63		
pH / Fluid Loss	8.5/12.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.85 @ 85F		
Rmf @ Meas. Temp	.637 @ 85F		
Rmc @ Meas. Temp	1.02 @ 85F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.592 @ 122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	122F		
Equipment Number	680		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	KIM SHOEMAKER		

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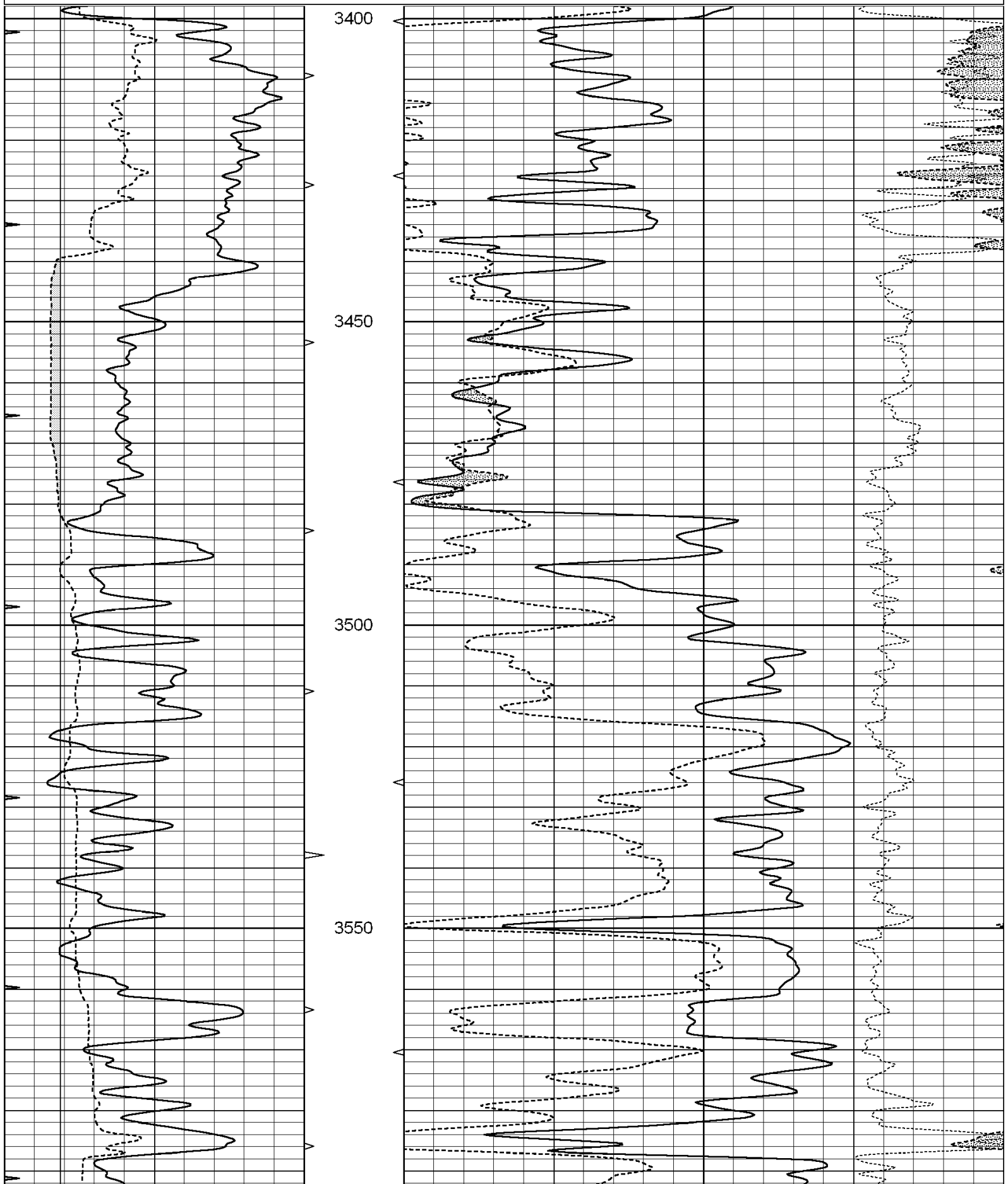
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

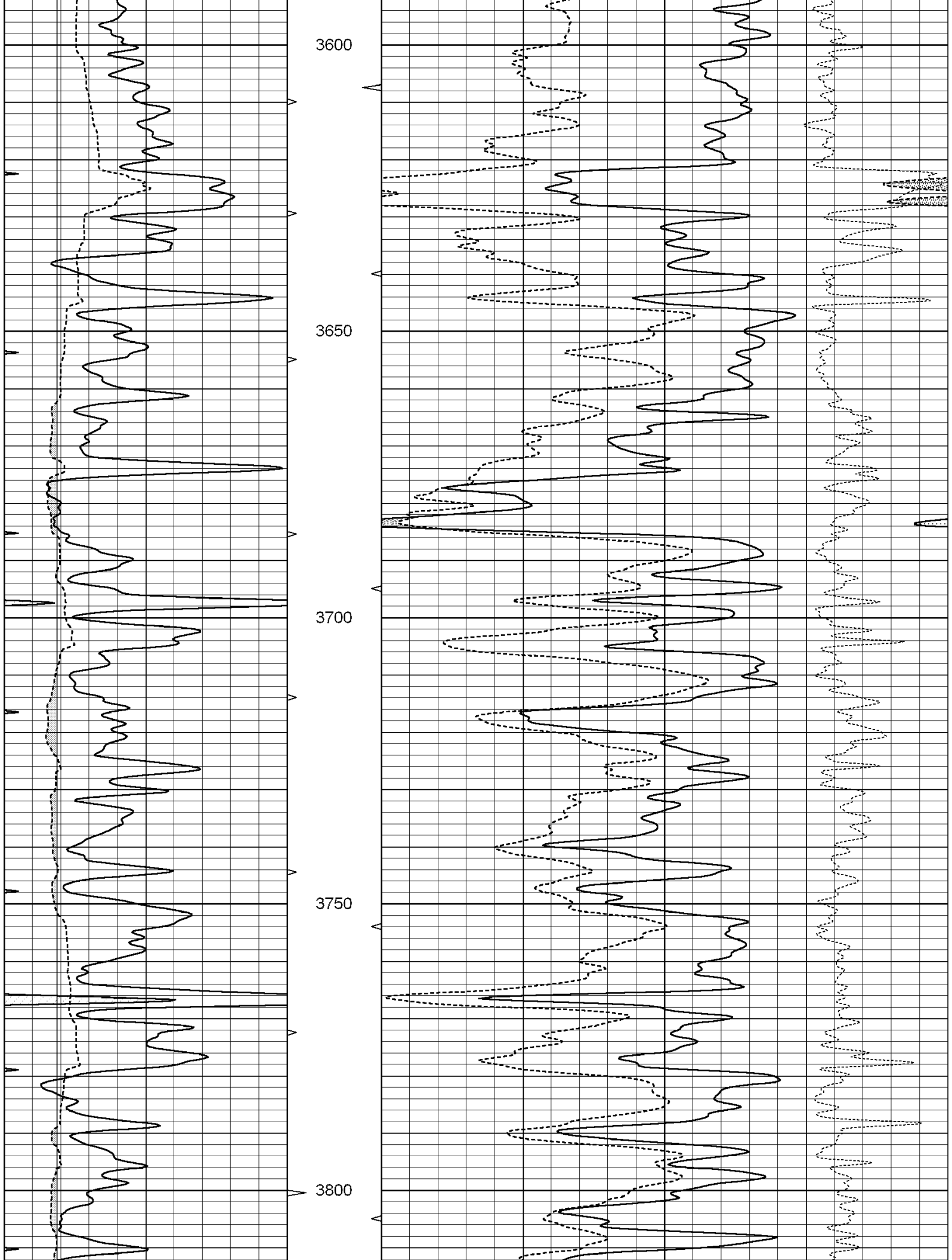
Comments

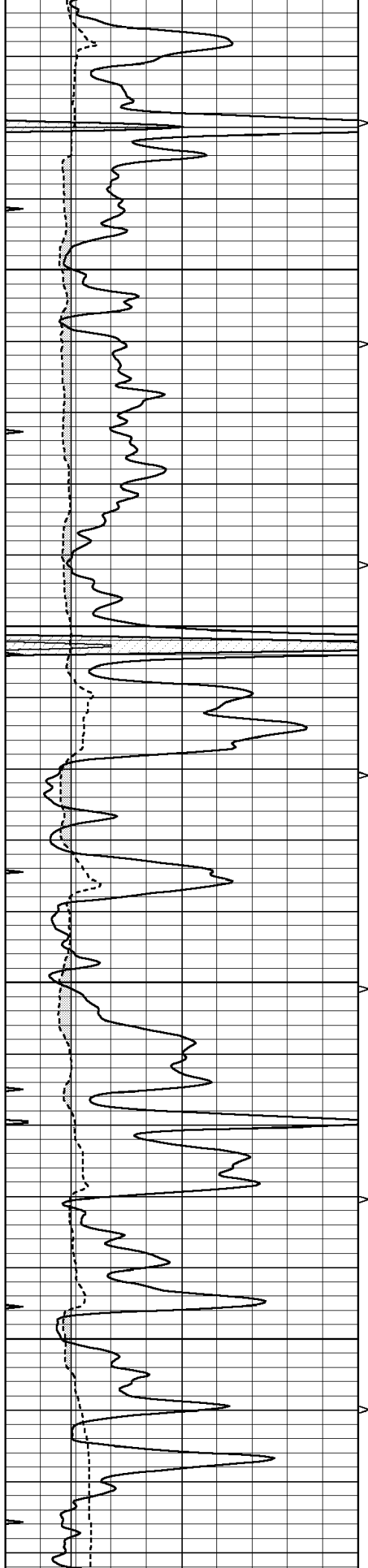
THANK YOU FOR USING SUPERIOR WELL SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
DIGHTON KS., - 8 E. ON HWY 96 TO TURKEY RED RD. - 3/4 S. - W. INTO

Database File: 005103ddn.db
Dataset Pathname: pass3.1
Presentation Format: _den_neu
Dataset Creation: Fri Mar 19 03:47:32 2010 by Calc Open-Cased 090629

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			





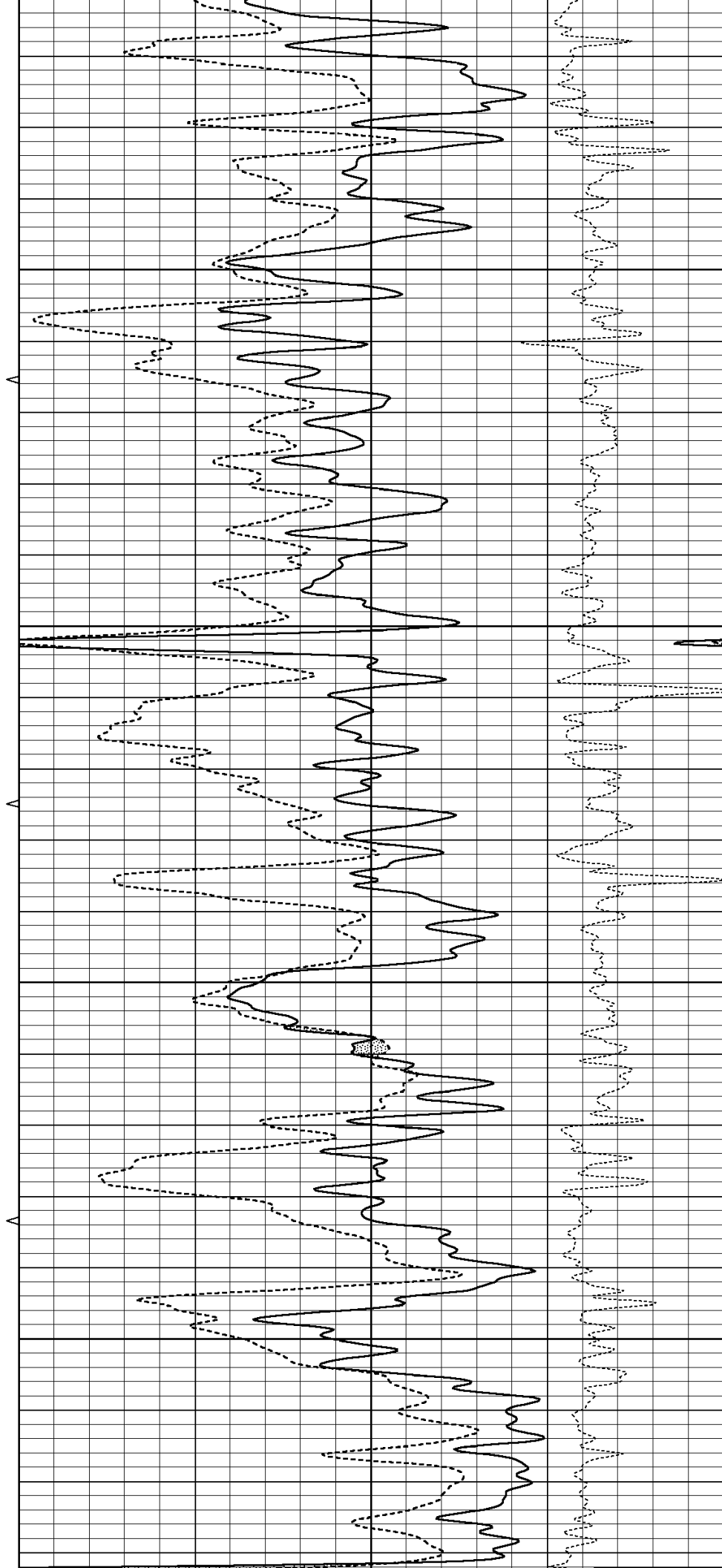


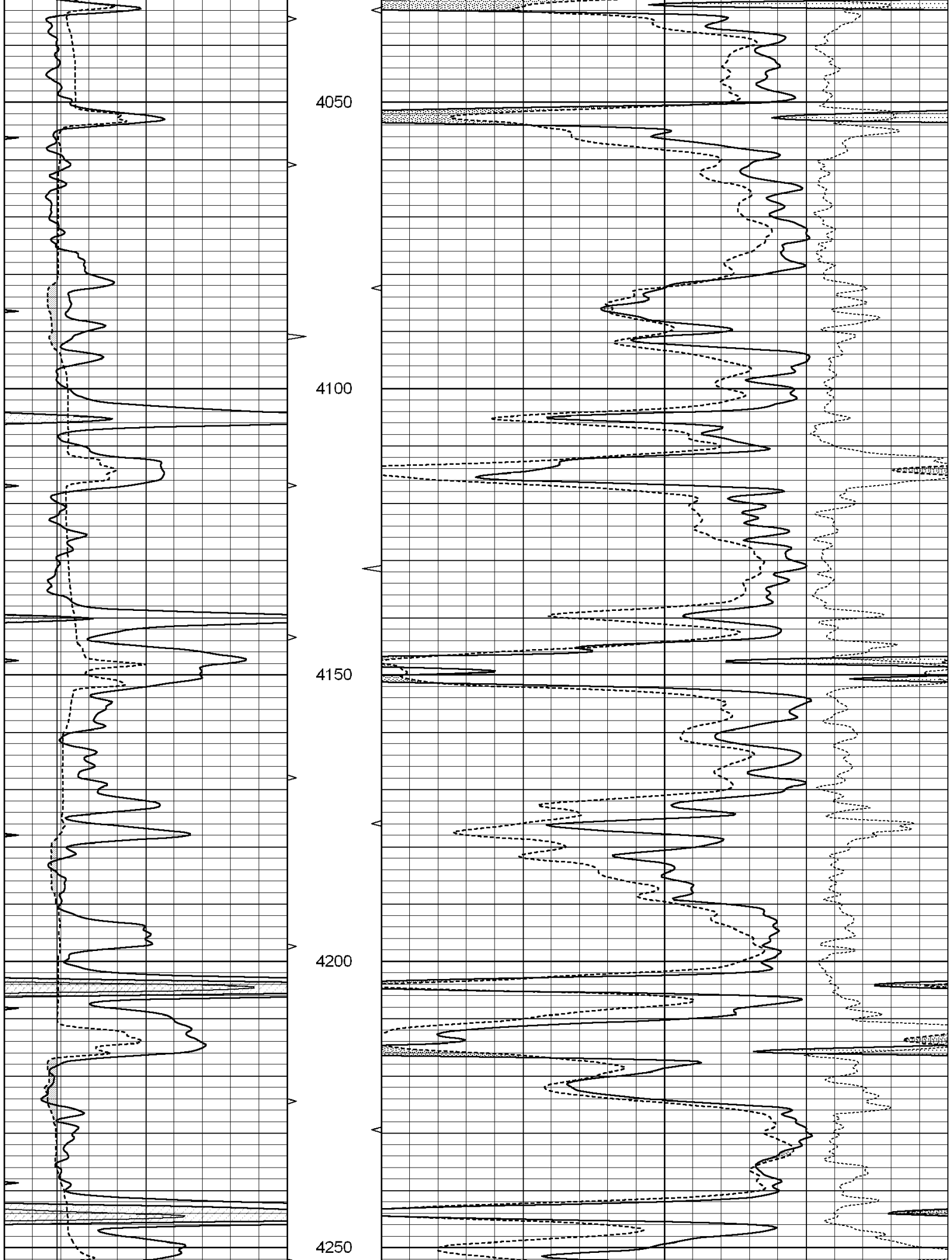
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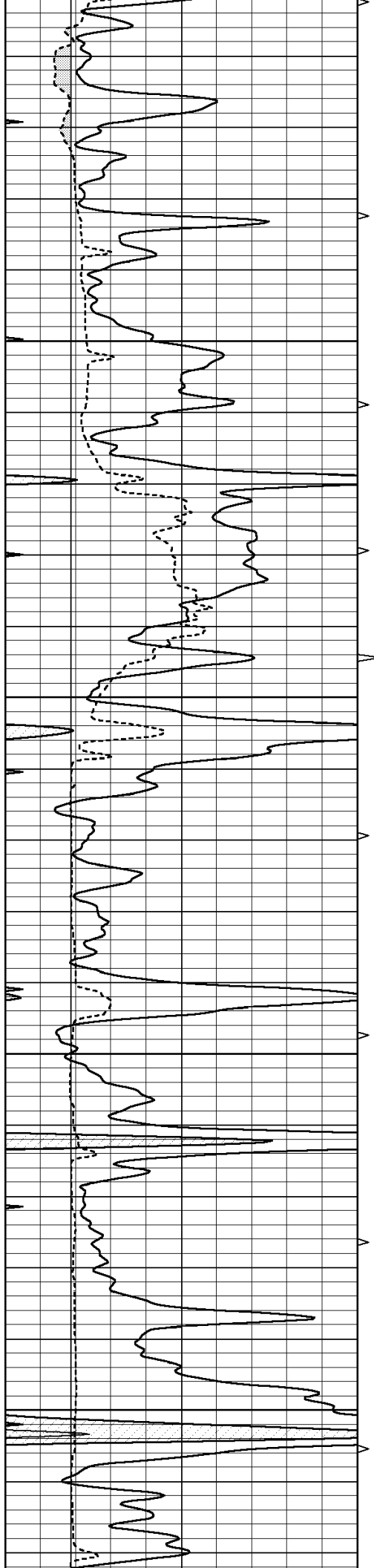
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3950

4000





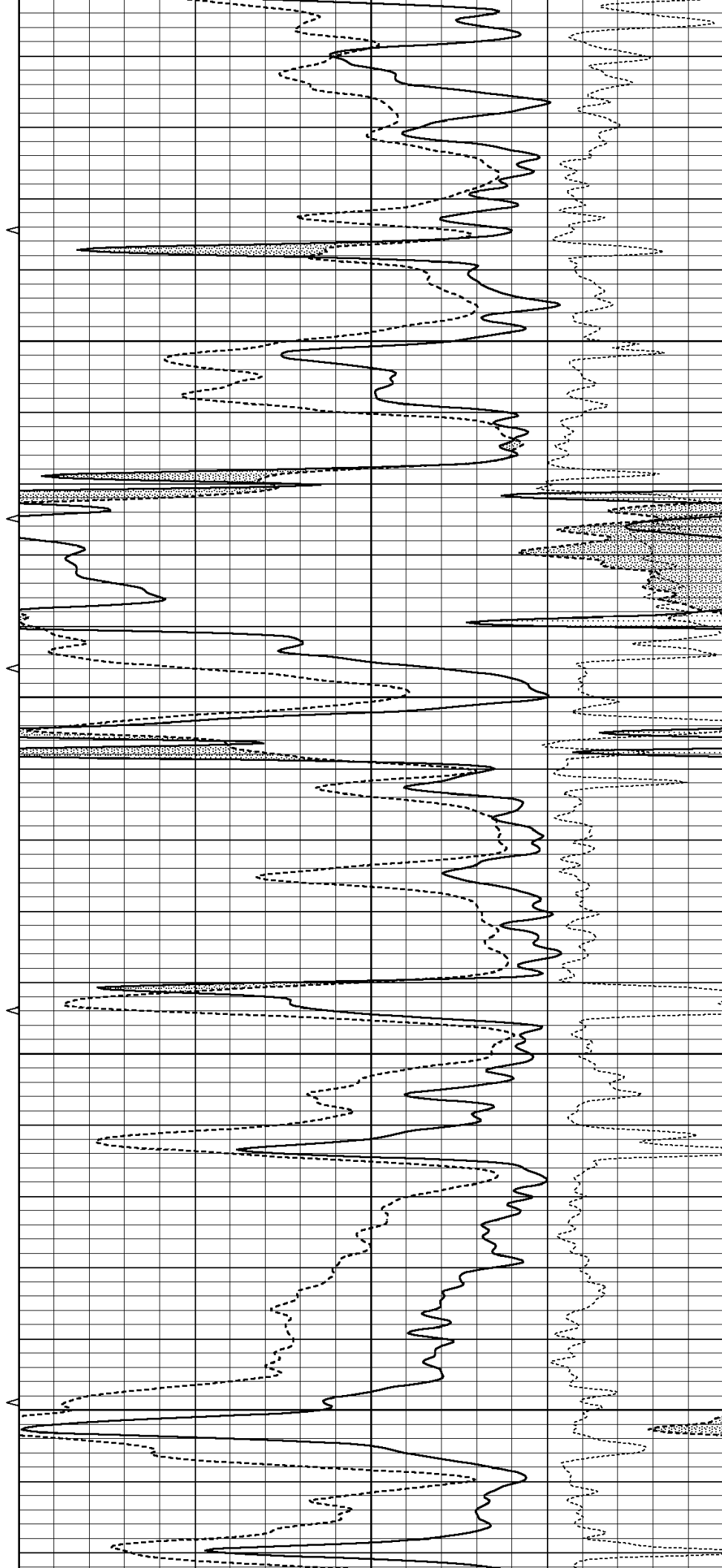


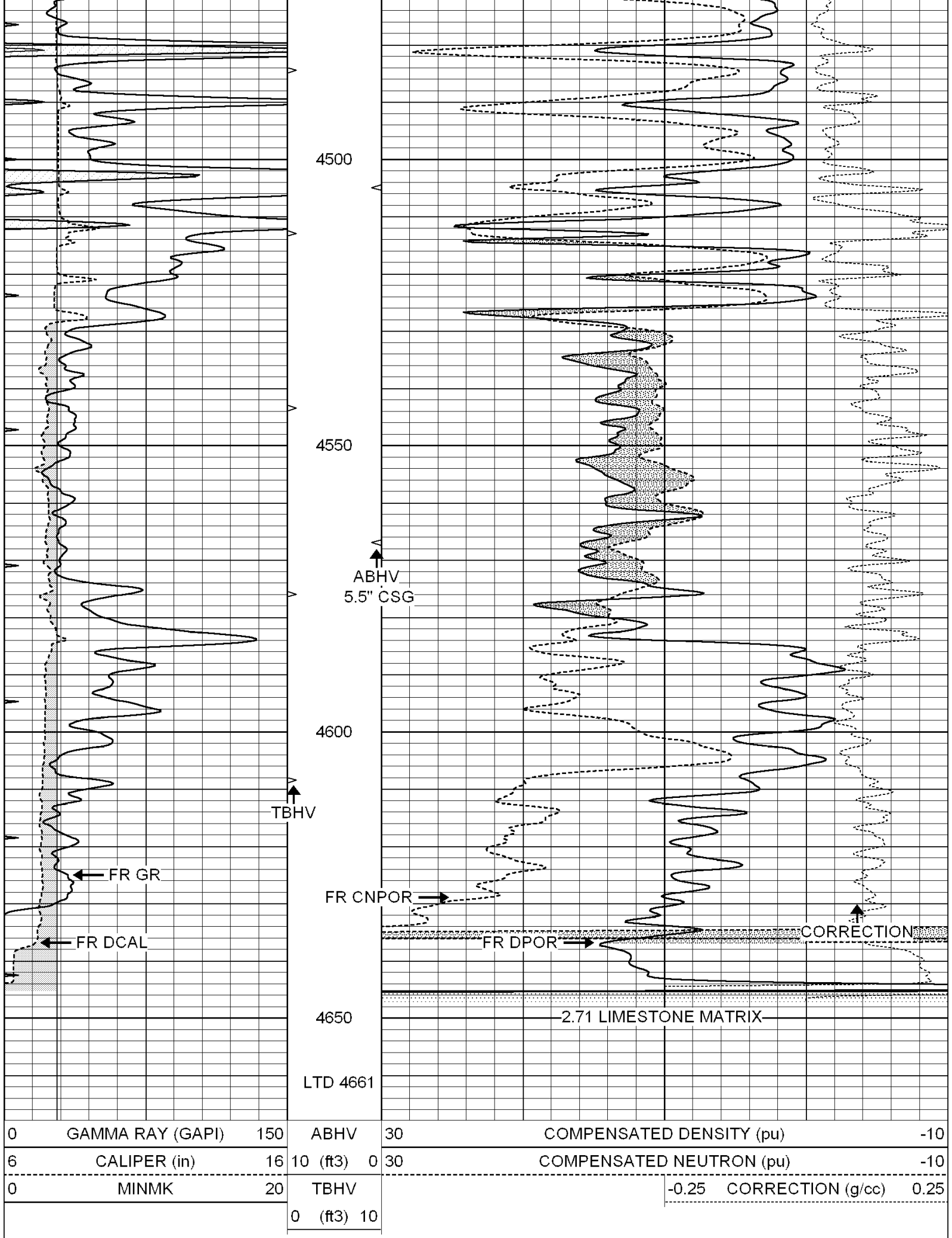
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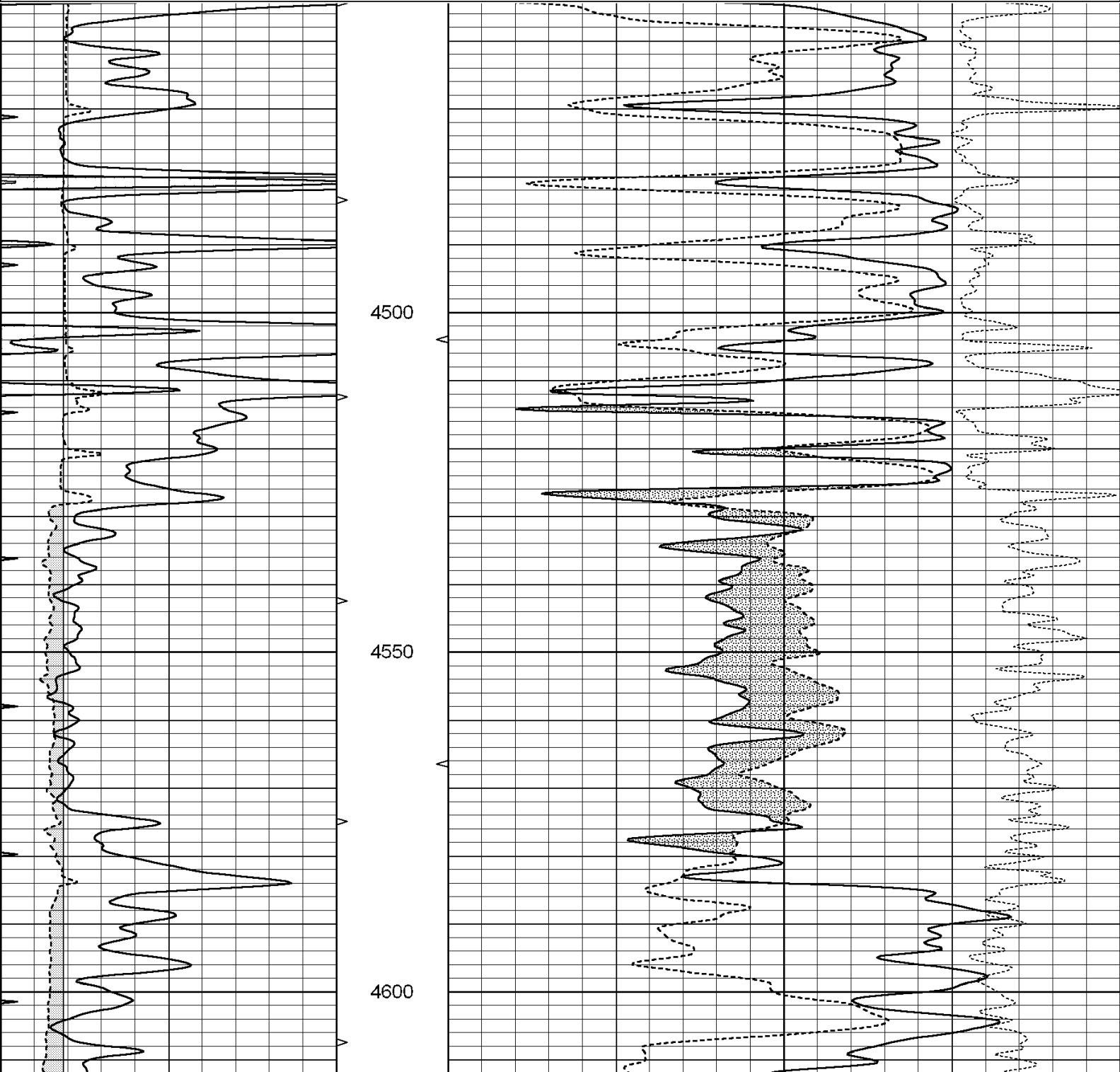


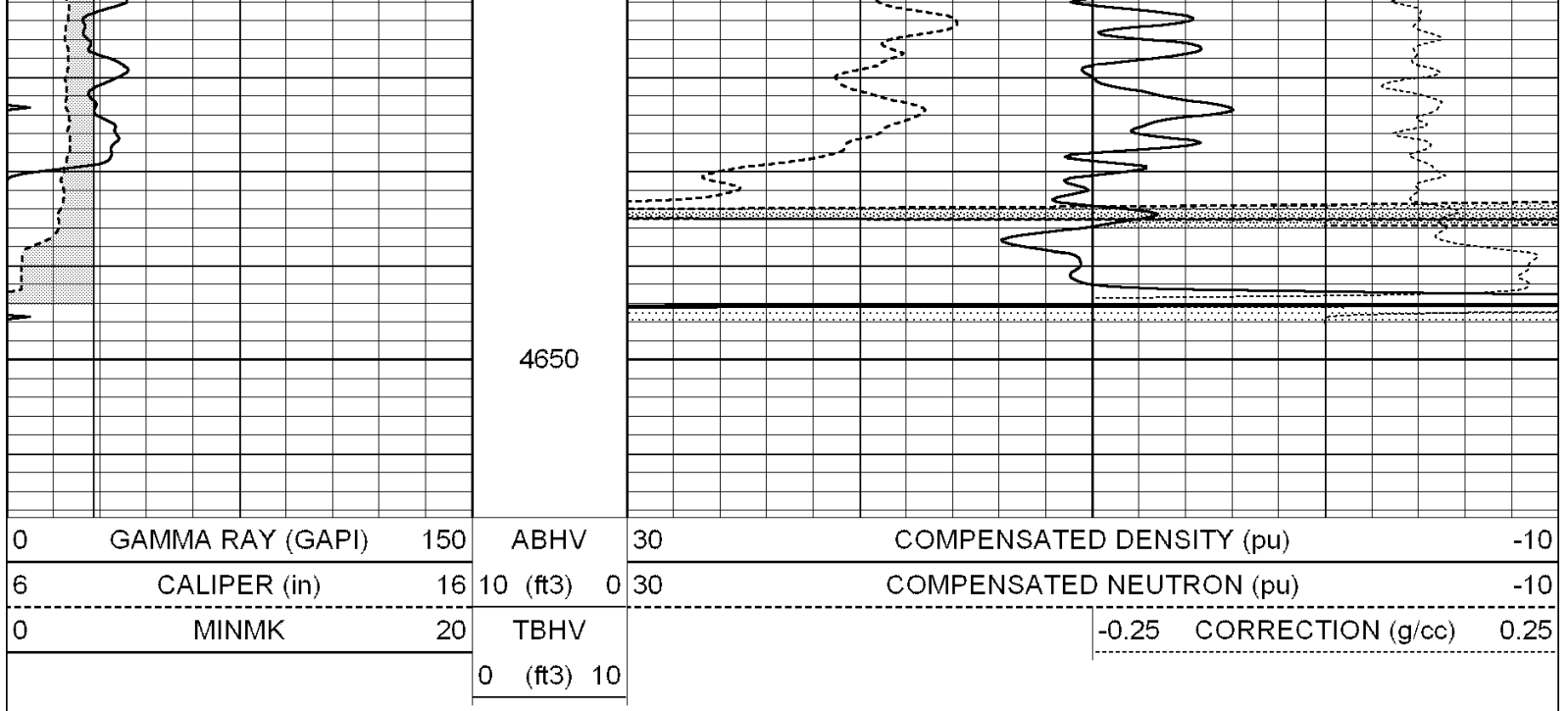
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REPEAT SECTION

Database File: 005103ddn.db
Dataset Pathname: pass2.1
Presentation Format: _den_neu
Dataset Creation: Fri Mar 19 03:16:29 2010 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc) 0.25
			0 (ft3)	10		





Calibration Report

Database File: 005103ddn.db
Dataset Pathname: pass2.1
Dataset Creation: Fri Mar 19 03:16:29 2010 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
Surface Cal Performed: Fri Aug 01 06:33:19 2008
Downhole Cal Performed: Mon Jul 28 11:08:27 2008
After Survey Verification Performed: Mon Jul 28 11:08:27 2008

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	632.616	-9.730
Medium	0.029	0.796	V	0.000	464.000	mmho/m	605.049	-17.680
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-6.500	V		3800.000	mmho-m		

After Survey Verification

Readings				Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000

LL3	1.000	Ohm-m	1.000	Ohm-m
	0.000	Ohm-m	0.000	Ohm-m
	1.000	mmho-m	1.000	mmho-m
Compensated Density Calibration Report				
Serial-Model:		GEAR3-GEARHART		
Source / Verifier:		143 / 143		
Master Calibration Performed:		Fri Mar 06 10:44:04 2009		
Master Calibration				
	Density		Far Detector	Near Detector
Magnesium	1.710	g/cc	1127.25	444.45 cps
Aluminum	2.580	g/cc	260.89	307.54 cps
	Spine Angle = 75.88		Density/Spine Ratio = 0.577	
	Size		Reading	
Small Ring	8.00	in	4.15	V
Large Ring	14.00	in	5.96	V
Compensated Neutron Calibration Report				
	Serial Number:		5I	
	Tool Model:		G	
CALIBRATION				
Detector	Readings		Target	Normalization
Short Space	1.00	cps	1.00 cps	1.0000
Long Space	1.00	cps	1.00 cps	1.0000
Gamma Ray Calibration Report				
Serial Number:	GR6			
Tool Model:	OPEN			
Performed:	Tue Nov 10 08:32:36 2009			
Calibrator Value:	150.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	276.0	cps		
Sensitivity:	0.5535	GAPI/cps		