



COMPLETION
& PRODUCTION
SERVICES CO.

COMPENSATED
DENSITY / NEUTRON
LOG

Company		RITCHIE EXPLORATION INC.	
Well		KMB OTTLEY 12C #1	
Field		WILDCAT	
County		GOVE	
State		KANSAS	
Location:		API # : 15-063-22051-00-00	
SEC 12 TWP 13S RGE 31W		DIL	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 8' A.G.L.	
Drilling Measured From		KELLY BUSHING	
Date		11/1/12	
Run Number		ONE	
Depth Driller		4710	
Depth Logger		4710	
Bottom Logged Interval		4686	
Top Log Interval		3500	
Casing Driller		8 5/8"@213'	
Casing Logger		212	
Bit Size		7 7/8"	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.3/56	
pH / Fluid Loss		9.5/7.2	
Source of Sample		FLOWLINE	
Rm @ Meas. Temp		1.40@68F	
Rmf @ Meas. Temp		1.05@68F	
Rmc @ Meas. Temp		1.68@68F	
Source of Rmf / Rmc		MEASUREMENT	
Rm @ BHT		0.78@122F	
Time Circulation Stopped		2 HOURS	
Time Logger on Bottom		122F	
Maximum Recorded Temperature		4010	
Equipment Number		HAYS, KANSAS	
Location		IAN MABB	
Recorded By		JEFF GRONEWEG	
Witnessed By		MIKE ENGELBRECHT	

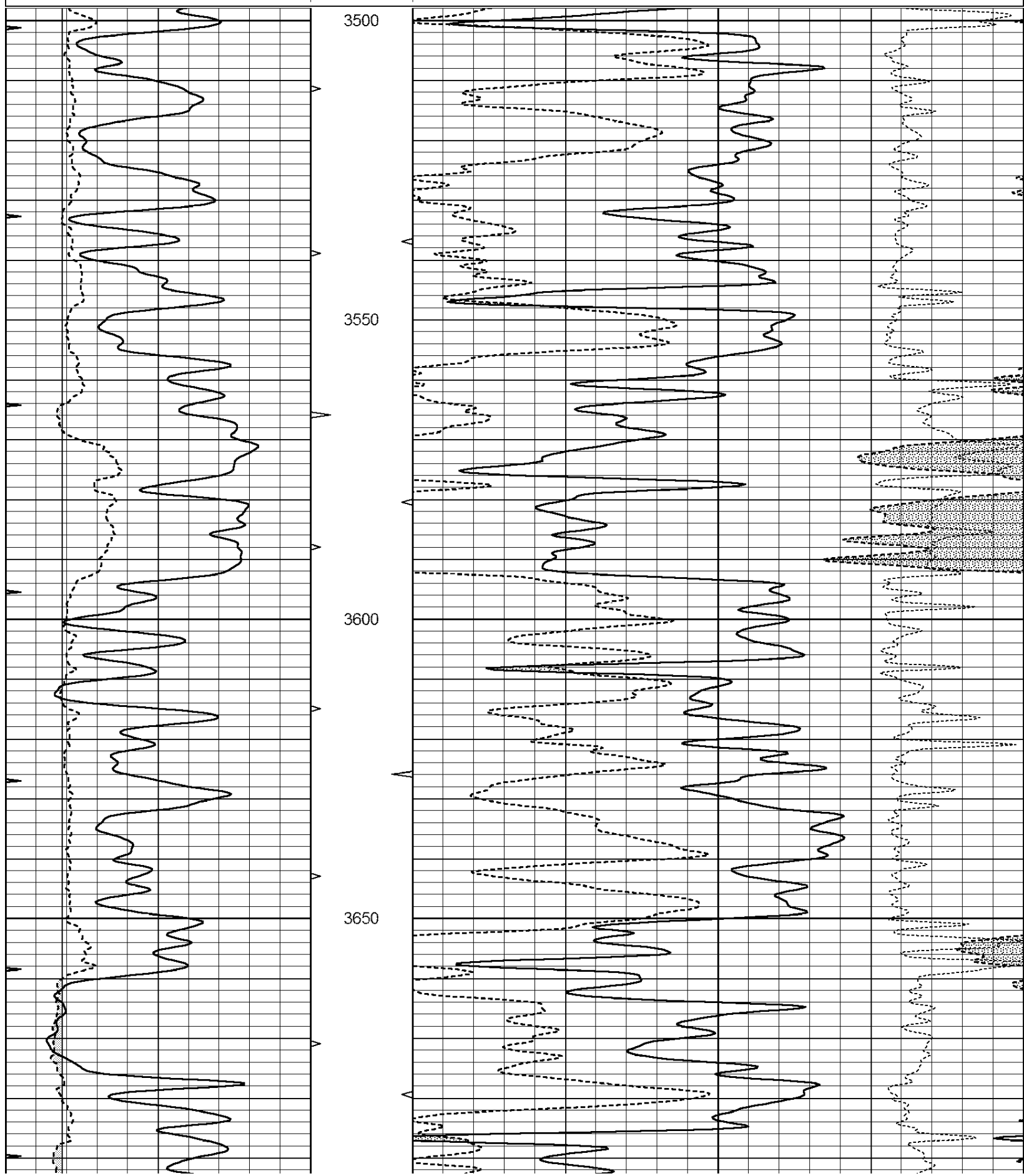
<<< Fold Here >>>

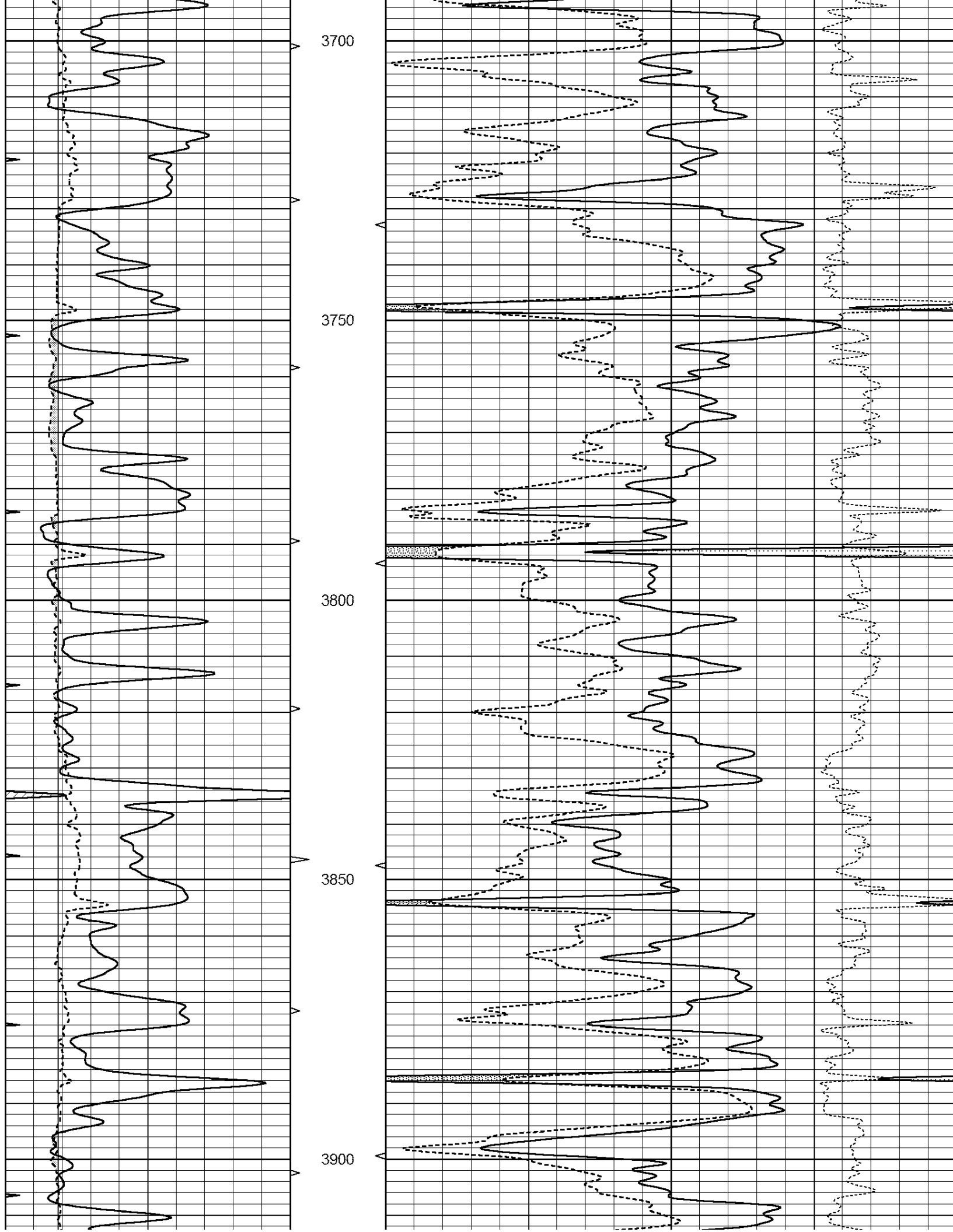
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

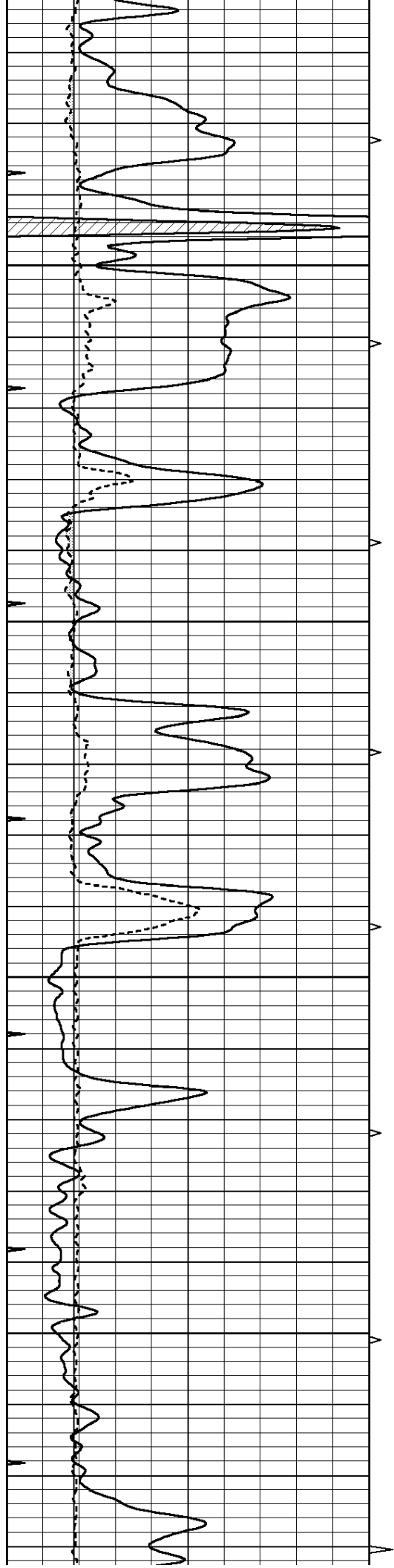
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
OAKLEY,KS. - 11 MILES SOUTH TO GOVE RD. - 5 EAST TO RD 16 - SOUTH 3 MILES TO RD P - 1 1/2 MILES
EAST NORTH INTO ON THE EAST SIDE OF TANK BATTERIES

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			





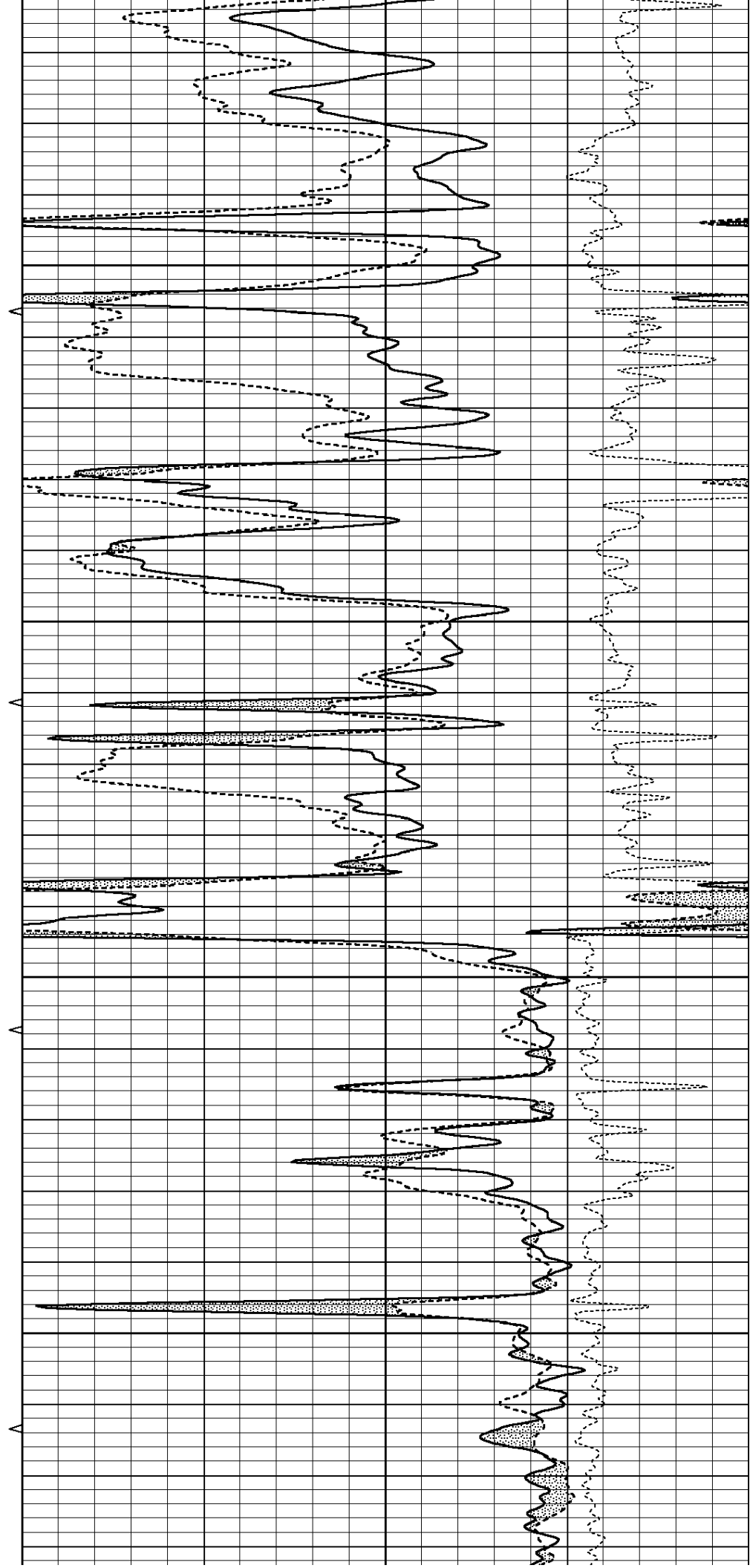


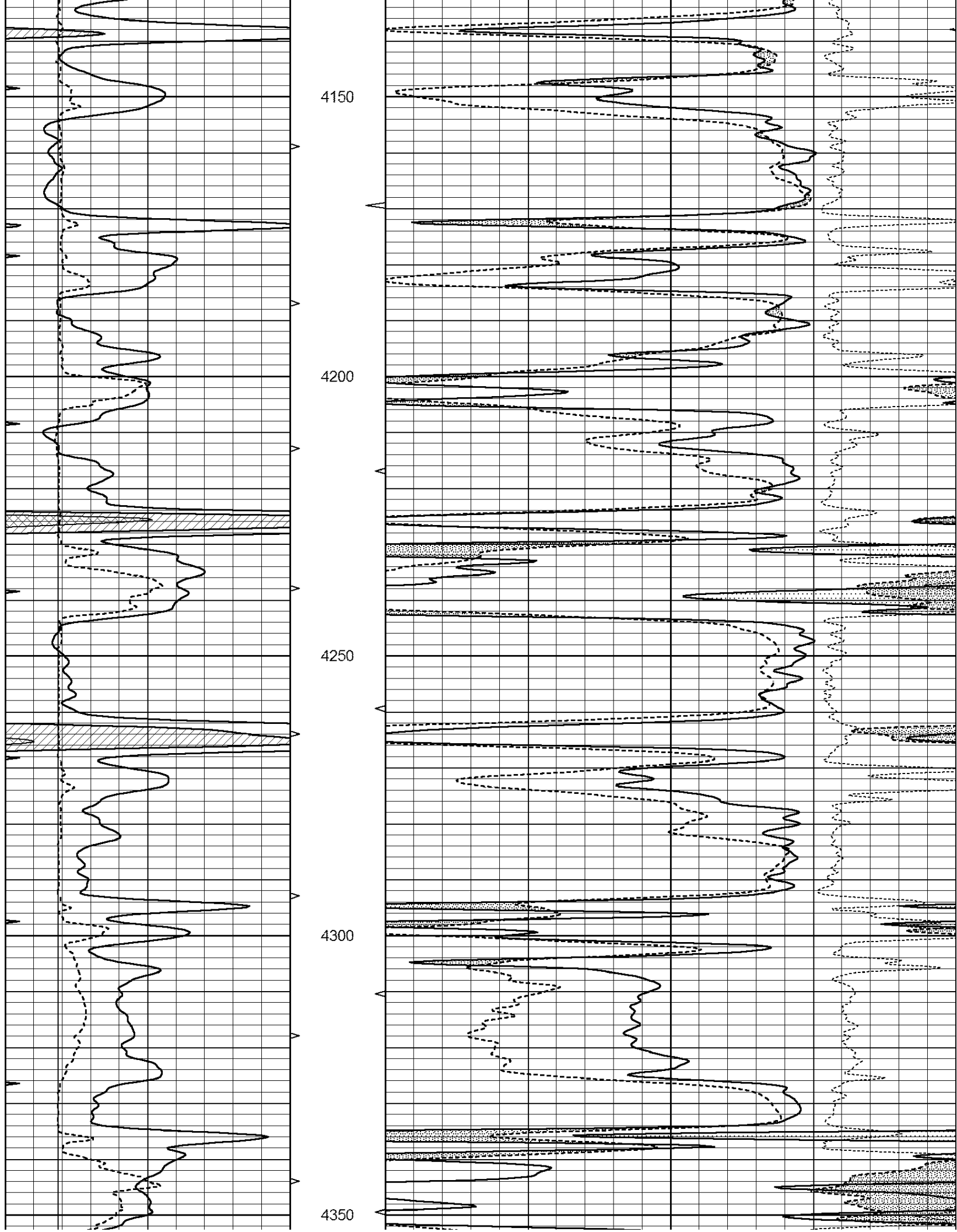
3950

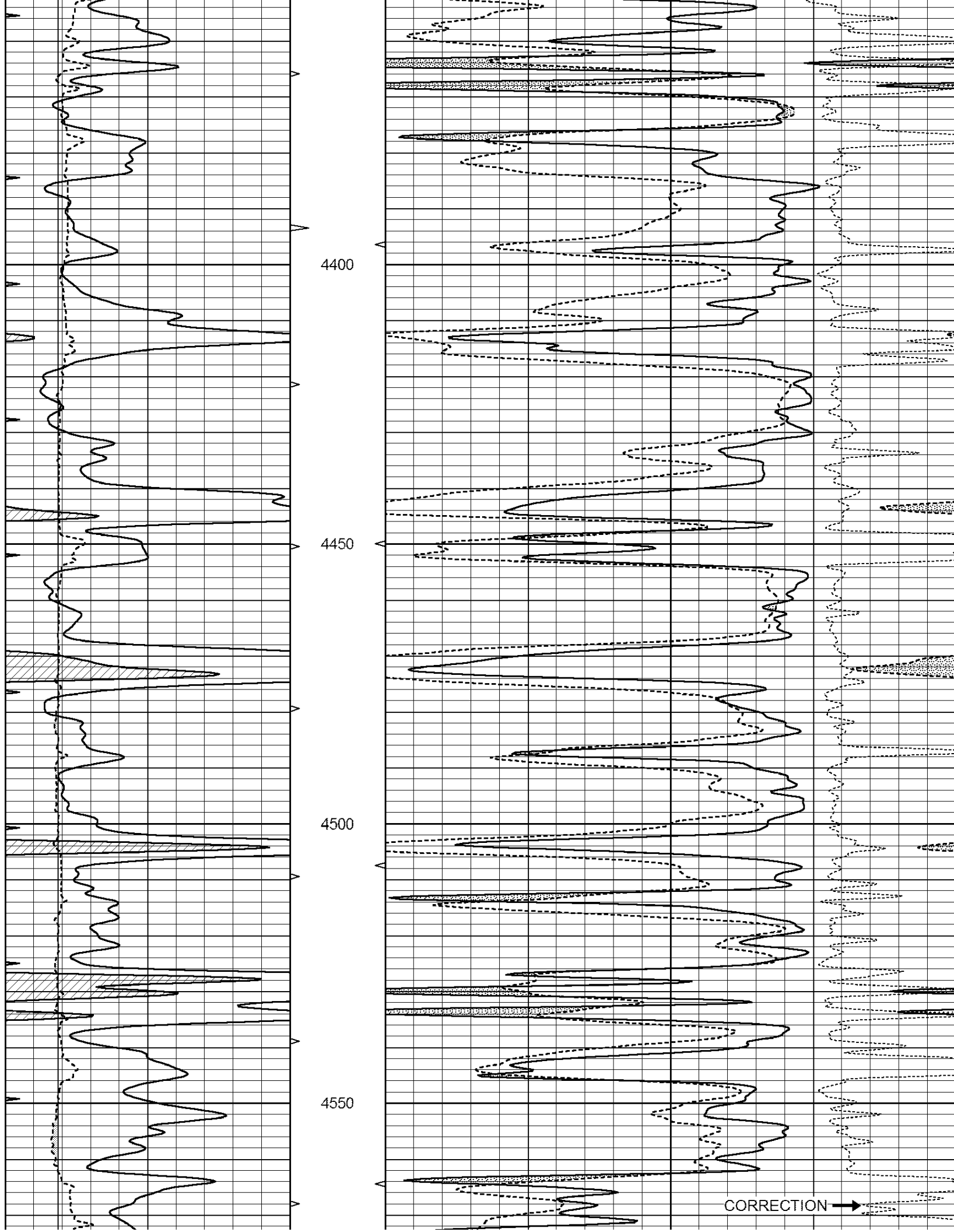
4000

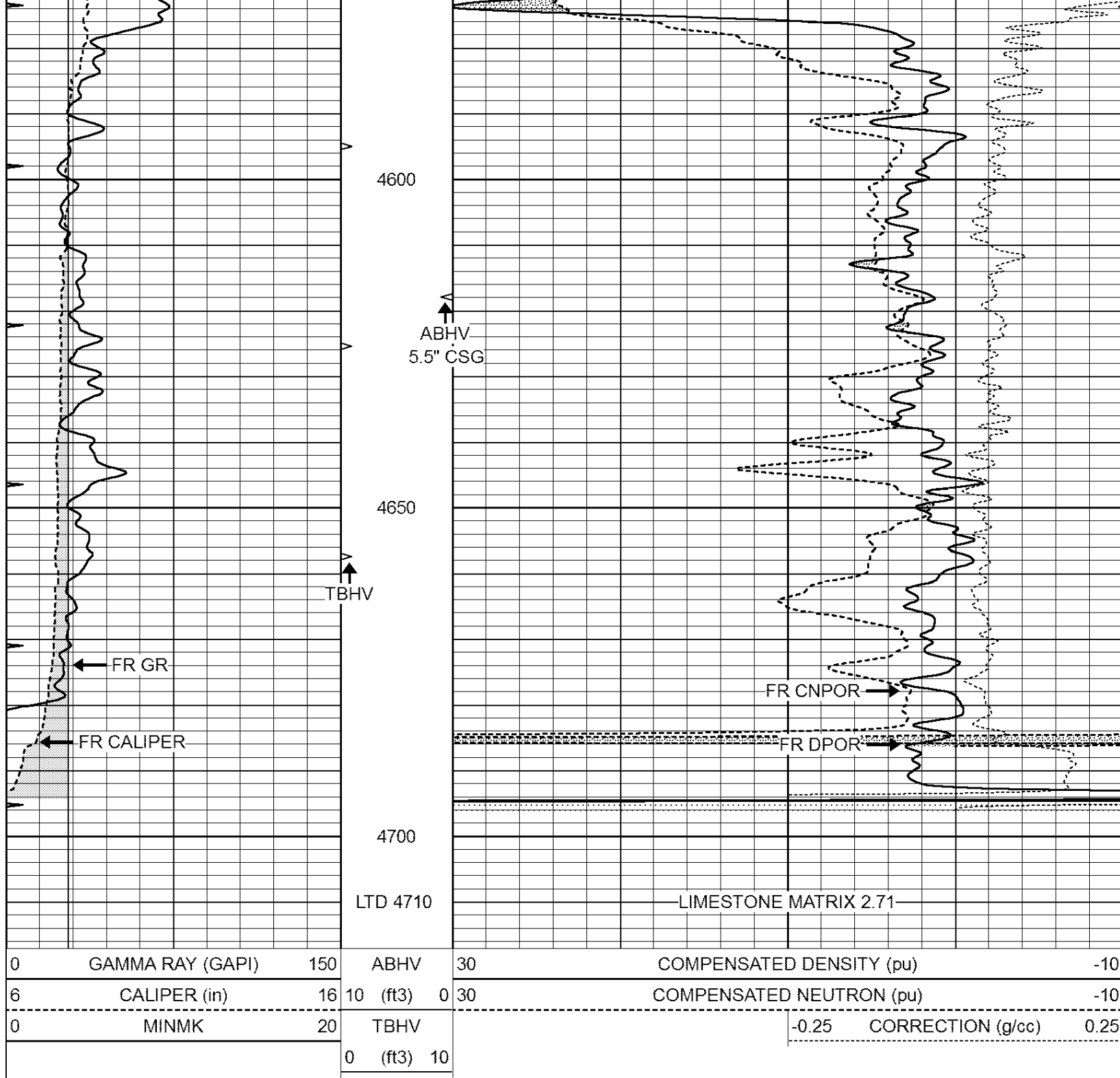
4050

4100





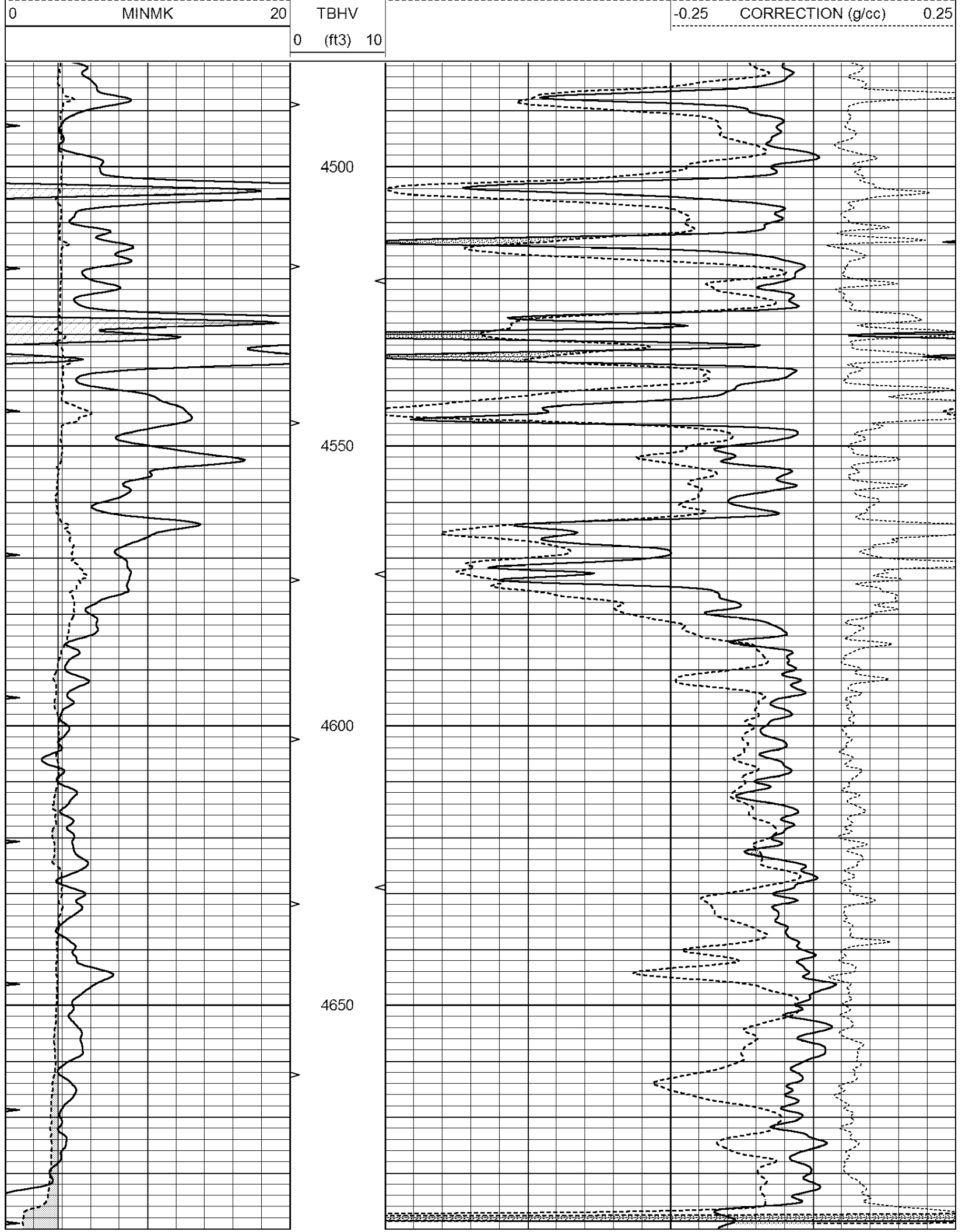




REPEAT SECTION

Database File: 409780ddn.db
 Dataset Pathname: pass4.8
 Presentation Format: den_neu
 Dataset Creation: Thu Nov 01 17:05:11 2012 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	30	COMPENSATED NEUTRON (pu)	-10



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:	GR5	
Tool Model:	OPEN	
Performed:	Tue Oct 30 11:39:23 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7200	GAPI/cps