



**COMPLETION
& PRODUCTION
SERVICES CO.**

**COMPENSATED
DENSITY/ NEUTRON
LOG**

Company	PELICAN HILL OIL & GAS , INC.	Location:	API # : 15-063-22138-0000	Other Services DIL/MEL SON/FRAC
Well	T-NELSON #1-9	County	GOVE	State
Field	T-NELSON #1-9	County	GOVE	State
Field	T-NELSON #1-9	County	GOVE	State
County	GOVE	County	GOVE	State
State	KANSAS	State	KANSAS	State
Permanent Datum	GROUND LEVEL	Elevation	2684	Elevation
Log Measured From	KELLY BUSHING 10' A.G.L.	Elevation	2692	Elevation
Drilling Measured From	KELLY BUSHING	Elevation	2684	Elevation
SEC 9	TWP 15s	RGE 31W		
660' FNL & 2475' FEL				
W/2 - W/2 - NW - NE/4				
Run Number	ONE			
Depth Driller	4447			
Depth Logger	4450			
Bottom Logged Interval	4426			
Top Log Interval	3550			
Casing Driller	8 5/8 @ 266'			
Casing Logger	264'			
Bit Size	7.875			
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3.000		
Density / Viscosity	9.5 / 63			
pH / Fluid Loss	10.0 / 8.0			
Source of Sample	FLOWLINE			
Rim @ Meas. Temp	1.00 @ 83F			
Rmf @ Meas. Temp	0.75 @ 83F			
Rmc @ Meas. Temp	1.20 @ 83F			
Source of Rmf / Rmc	MEASURED			
Rim @ BHT	0.69 @ 120F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom				
Maximum Recorded Temperature	120F			
Equipment Number	860			
Location	HAYS, KS.			
Recorded By	JEFF GRONEWEG			
Witnessed By	ROGER FISHER			

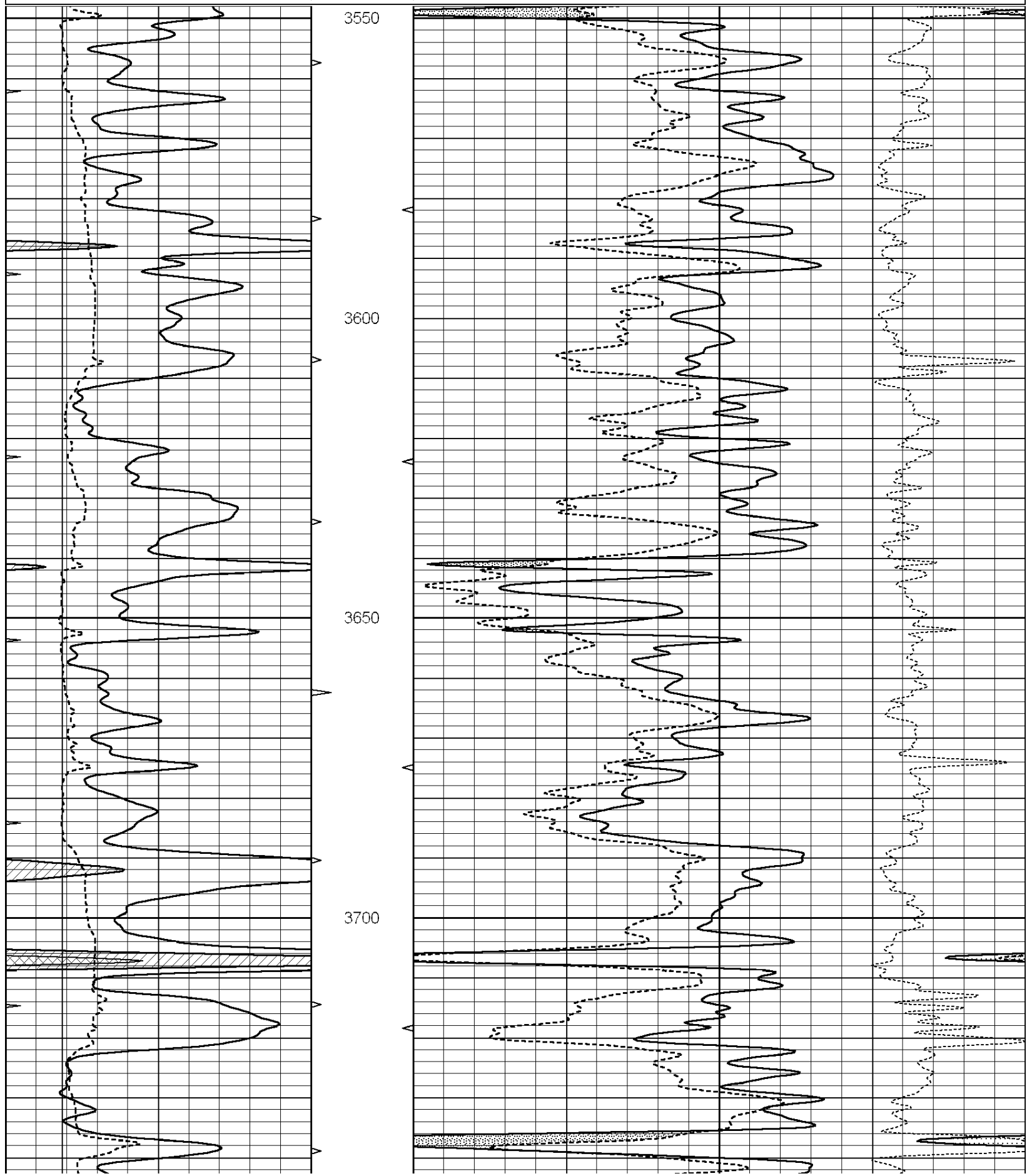
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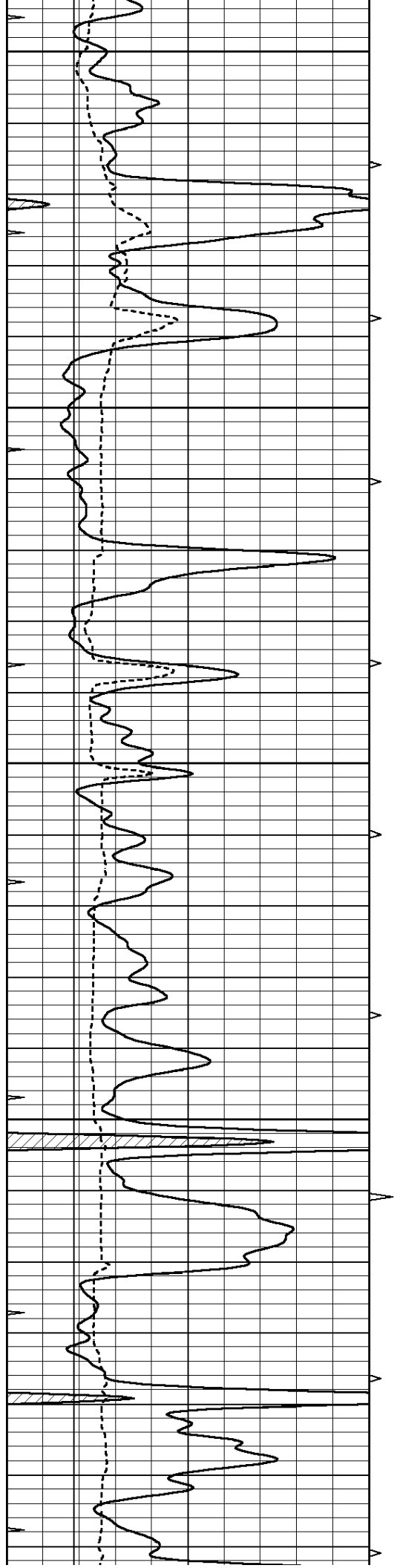
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: OAKLEY, KS. - 20 MILES SOUTH TO JAYHAWK RD. - 3 MILES EAST TO GOVE 14
1 MILE SOUTH OF MONUMENT ROCKS - WEST & SOUTH INTO

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			





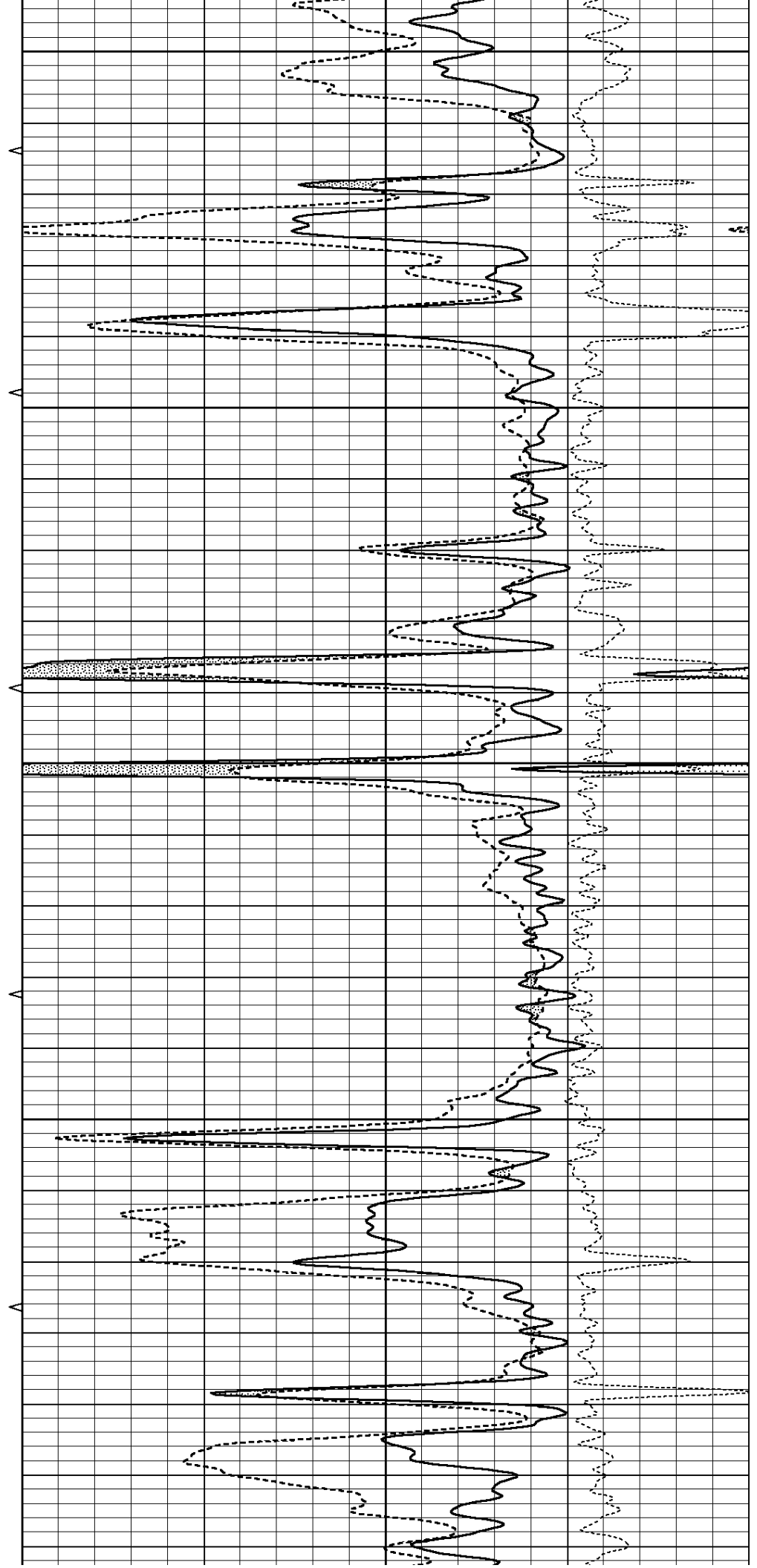
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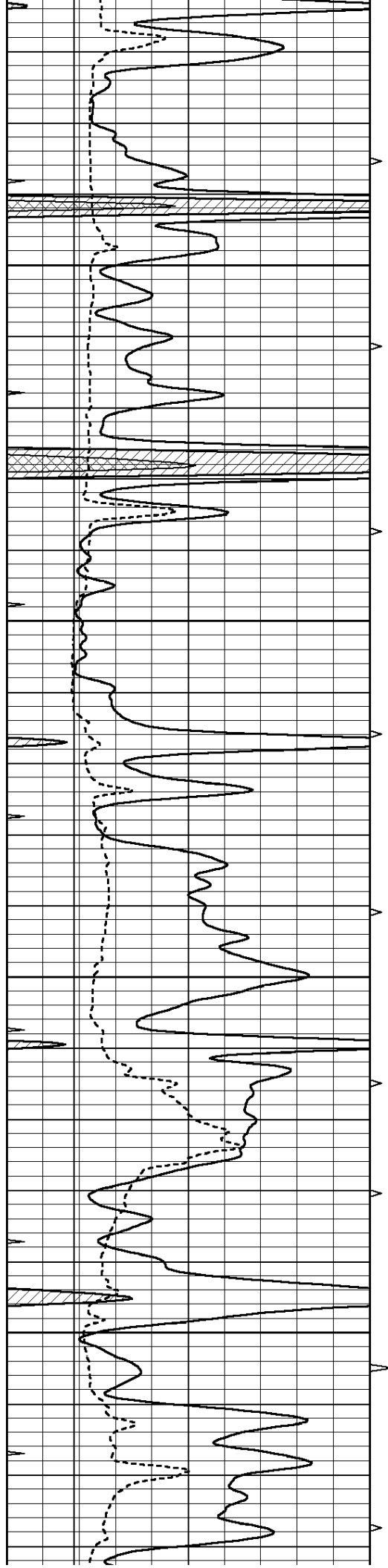
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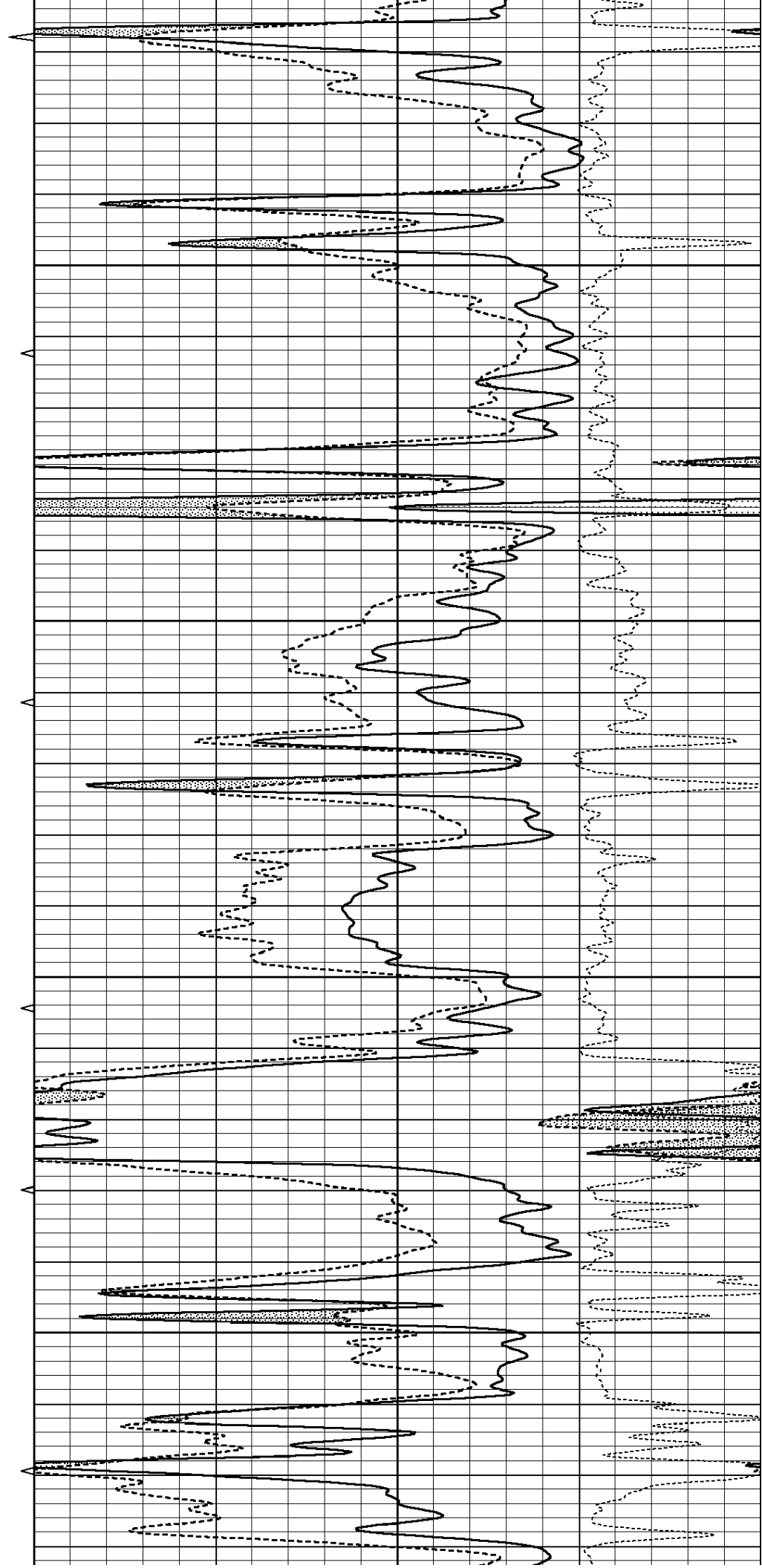


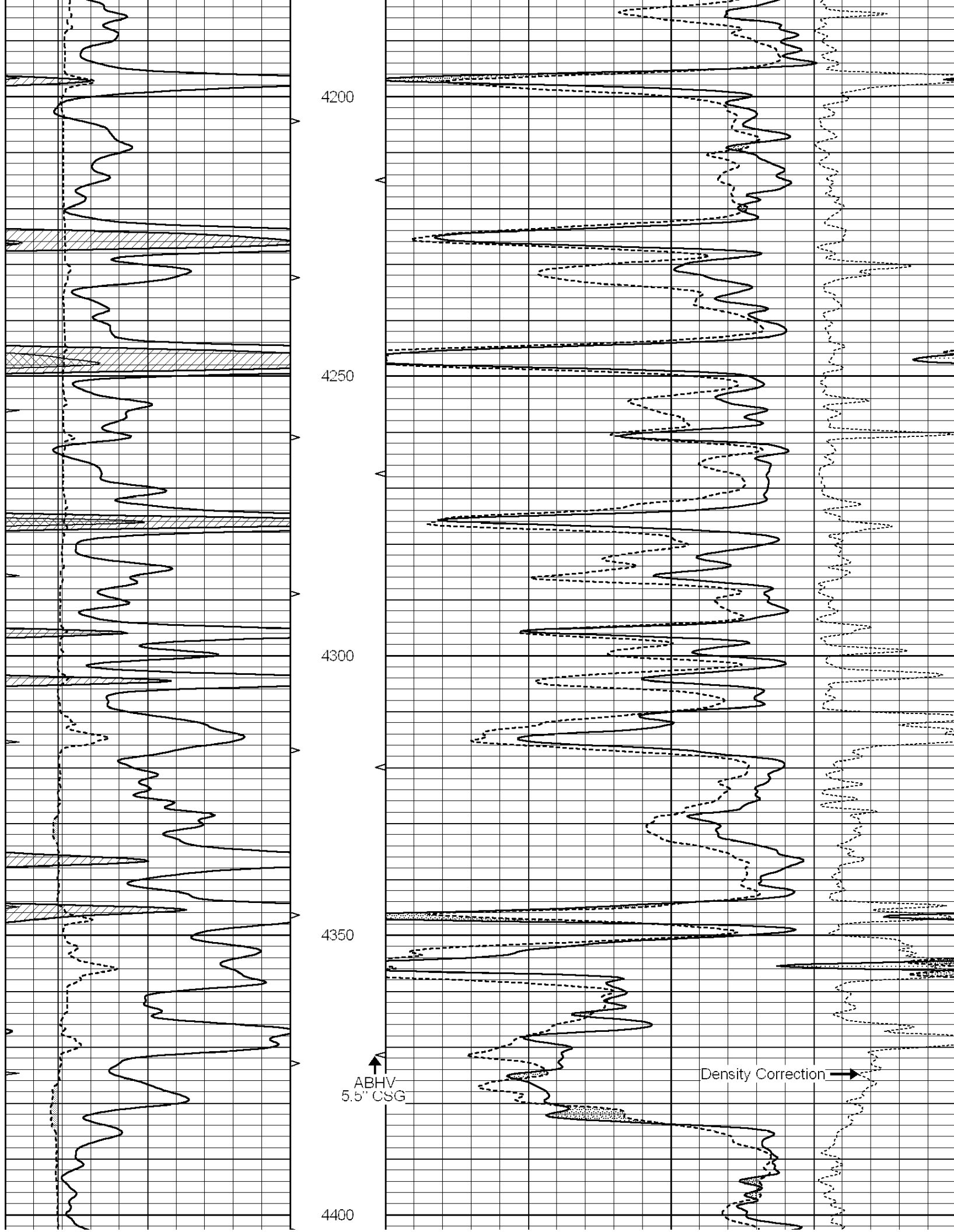
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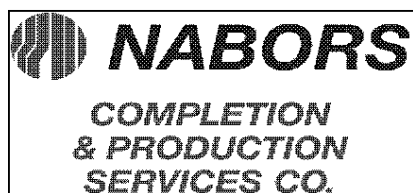
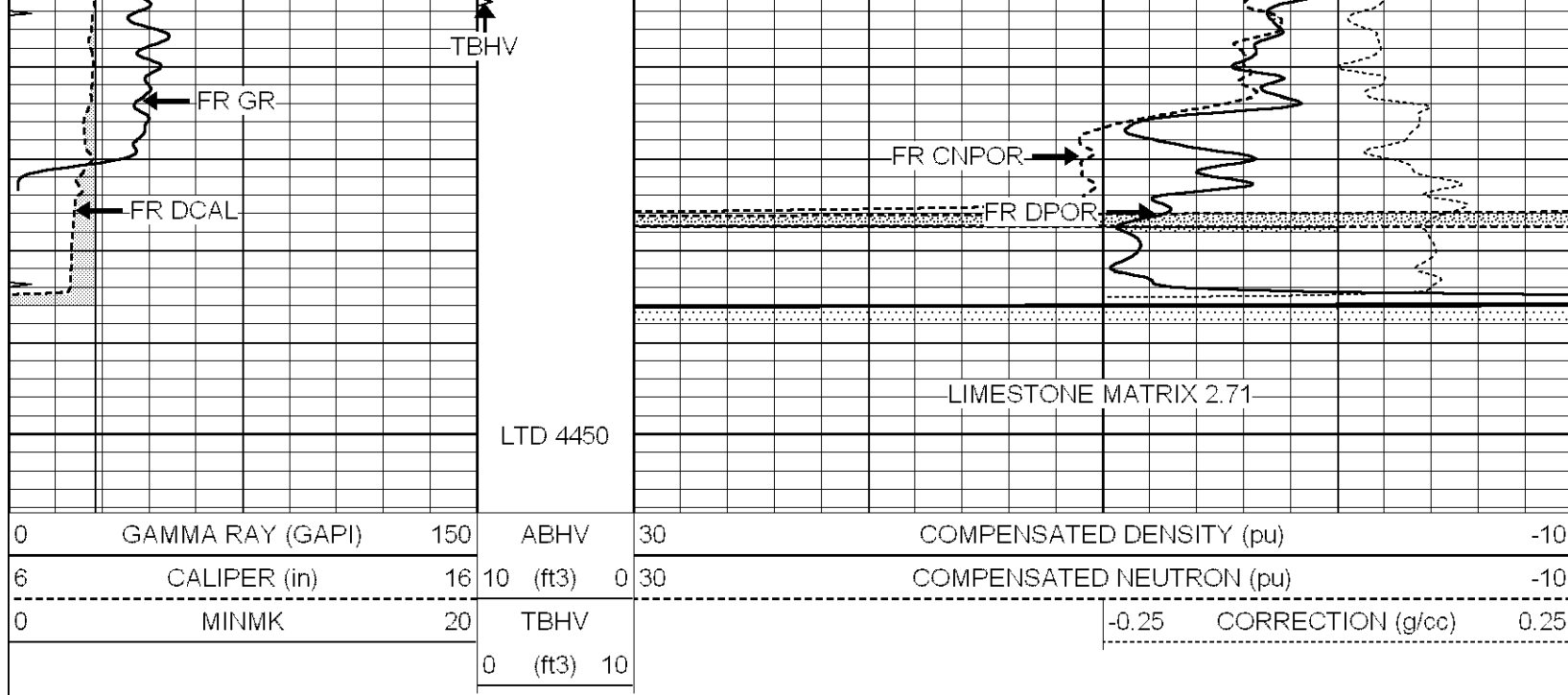
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4150



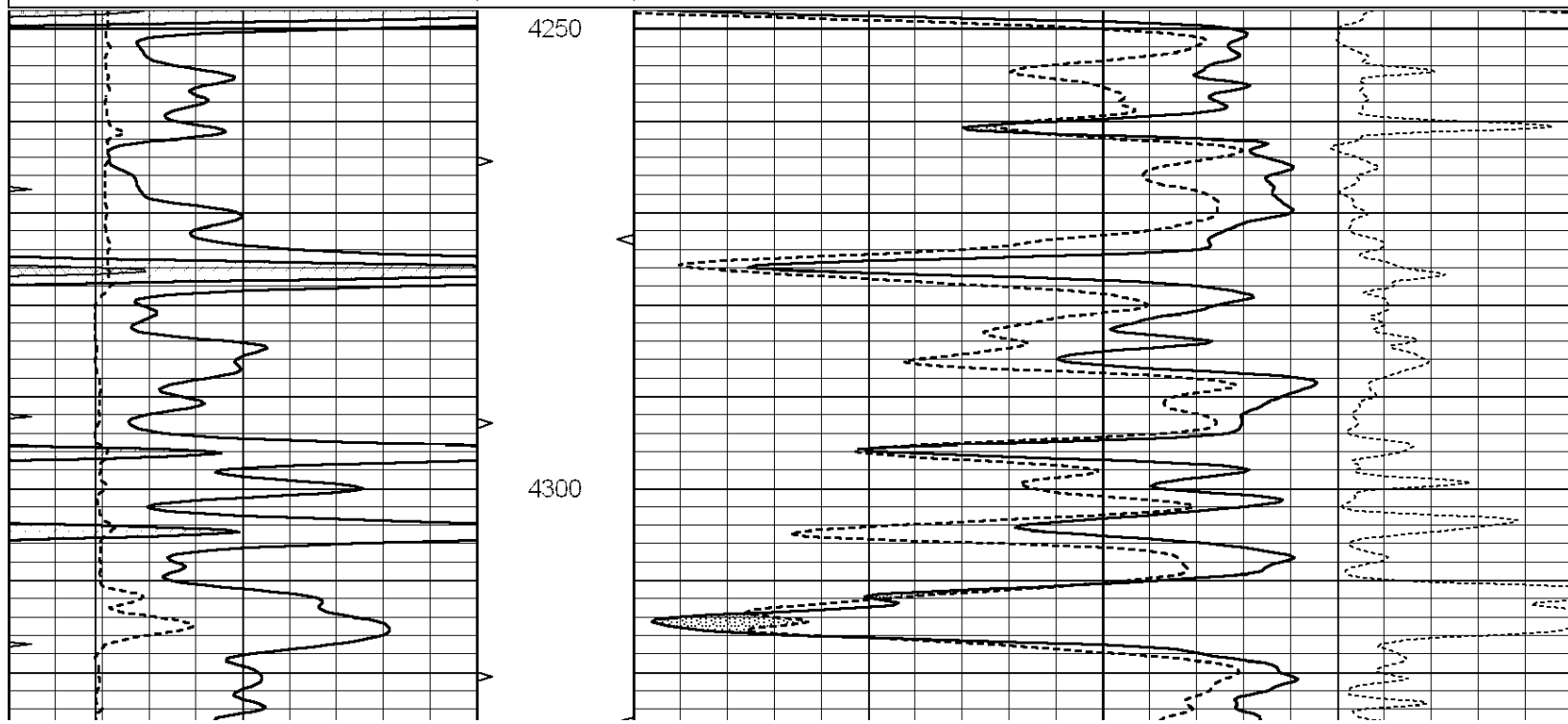


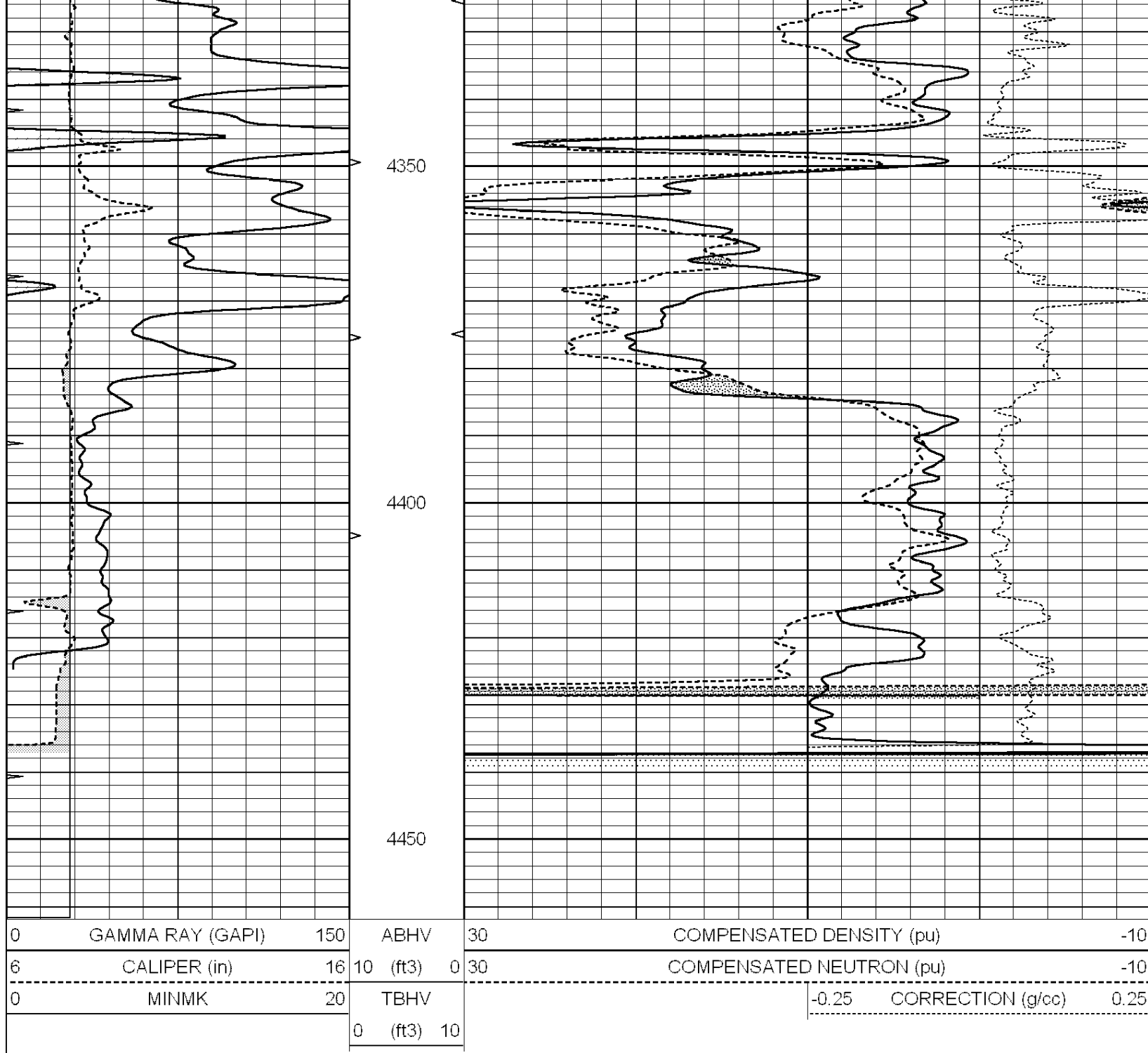


REPEAT SECTION

Database File: 010215ddn.db
 Dataset Pathname: pass2.3
 Presentation Format: _den_neu
 Dataset Creation: Fri Oct 11 08:30:13 2013
 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: 010215ddn.db
 Dataset Pathname: pass3.3
 Dataset Creation: Fri Oct 11 08:51:33 2013 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: DIL3-GEAR
 Performed: Thu Oct 10 12:05:57 2013

Readings				References		Results	
Loop:	Air	Loop		Air	Loop	m	b
Deep	0.011	0.656	V	0.000	400.000	mmho/m	480.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	550.000
Internal:	Zero	Cal		Zero	Cal	m	b

Informa:	2013	2013	2013	2013	2013	2013	2013	2013
Deep	0.002	0.645	V	0.000	400.000	mmho/m	560.000	-1.071
Medium	0.007	0.740	V	0.000	462.500	mmho/m	540.000	-4.000

Compensated Density Calibration Report

Serial-Model:	GEAR1-GEARHART
Source / Verifier:	147 / 147
Master Calibration Performed:	Thu Oct 10 12:15:56 2013

Master Calibration					
	Density		Far Detector		Near Detector
Magnesium	1.710	g/cc	1205.77	610.74	cps
Aluminum	2.580	g/cc	271.21	419.72	cps
Spine Angle = 75.89			Density/Spine Ratio = 0.566		
	Size		Reading		
Small Ring	8.20	in	4.83	V	
Large Ring	14.00	in	7.01	V	

Compensated Neutron Calibration Report

Serial Number:	NEU_4I
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:	GR5	
Tool Model:	OPEN	
Performed:	Thu Oct 10 11:53:52 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps