



**COMPLETION
& PRODUCTION
SERVICES CO.**

**COMPENSATED
DENSITY / NEUTRON
LOG**

Company	MAI OIL OPERATIONS, INC.		
Well	G.D. MAIER #10		
Field	TRAPP		
County	RUSSELL	State	KANSAS
Location:	API # : 15-167-24004-00-00		Other Services
1610' FNL & 1300' FEL NW - NW - SE - NE		DIL/MEL	
SEC 15 TWP 15S RGE 14W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	1795
Log Measured From	KELLY BUSHING 8' A.G.L.	K.B.	1803
Drilling Measured From	KELLY BUSHING	D.F.	1801
		G.L.	1795
Date	12/3/14		
Run Number	ONE		
Depth Driller	3310		
Depth Logger	3312		
Bottom Logged Interval	3288		
Top Log Interval	2300		
Casing Driller	8 5/8 @ 516'		
Casing Logger	515'		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.4/68	CHLORIDES 7,000 PPM	
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.70 @ 66F		
Rmf @ Meas. Temp	0.52 @ 66F		
Rmc @ Meas. Temp	0.84 @ 66F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.42 @ 110F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	110F		
Equipment Number	3802		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	WMATT URBAN		

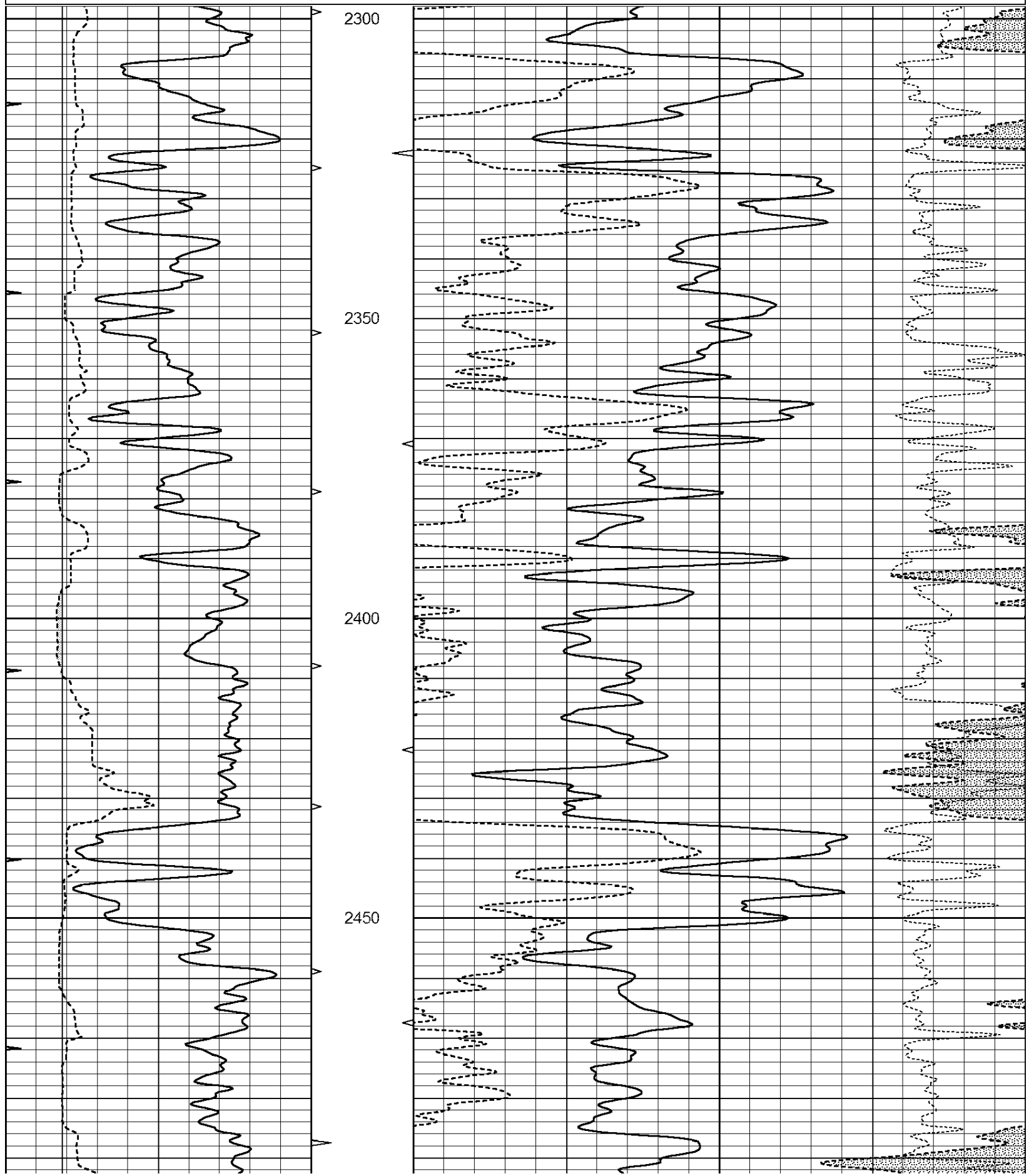
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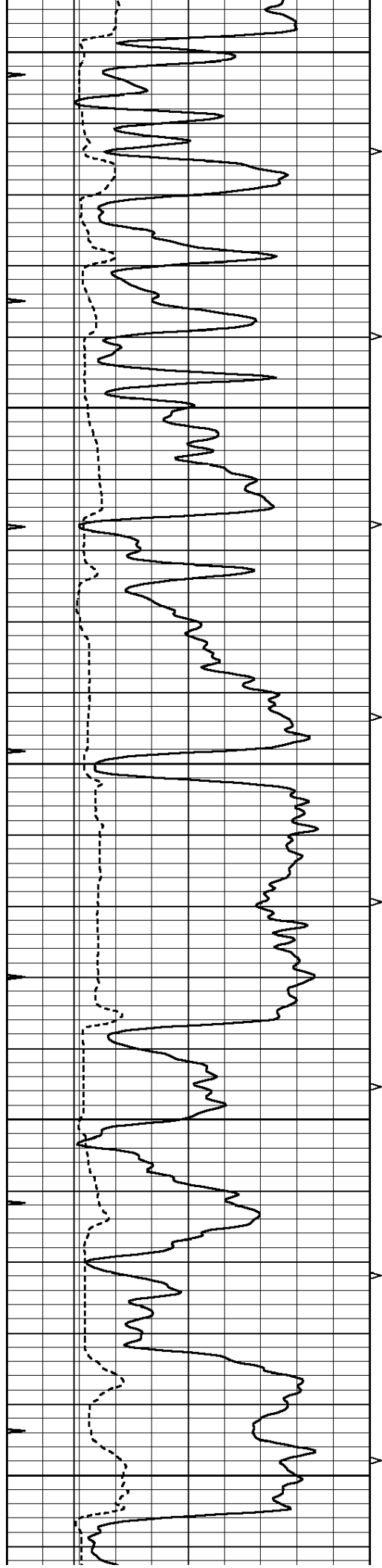
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 CO.
785 (628 - 6395)
THANK YOU FOR YOUR BUSINESS
DIRECTIONS : RUSSELL, KS. - SOUTH 6 MILES TO MITCHELL RD. - WEST 1/2 MILE - SOUTH INTO

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





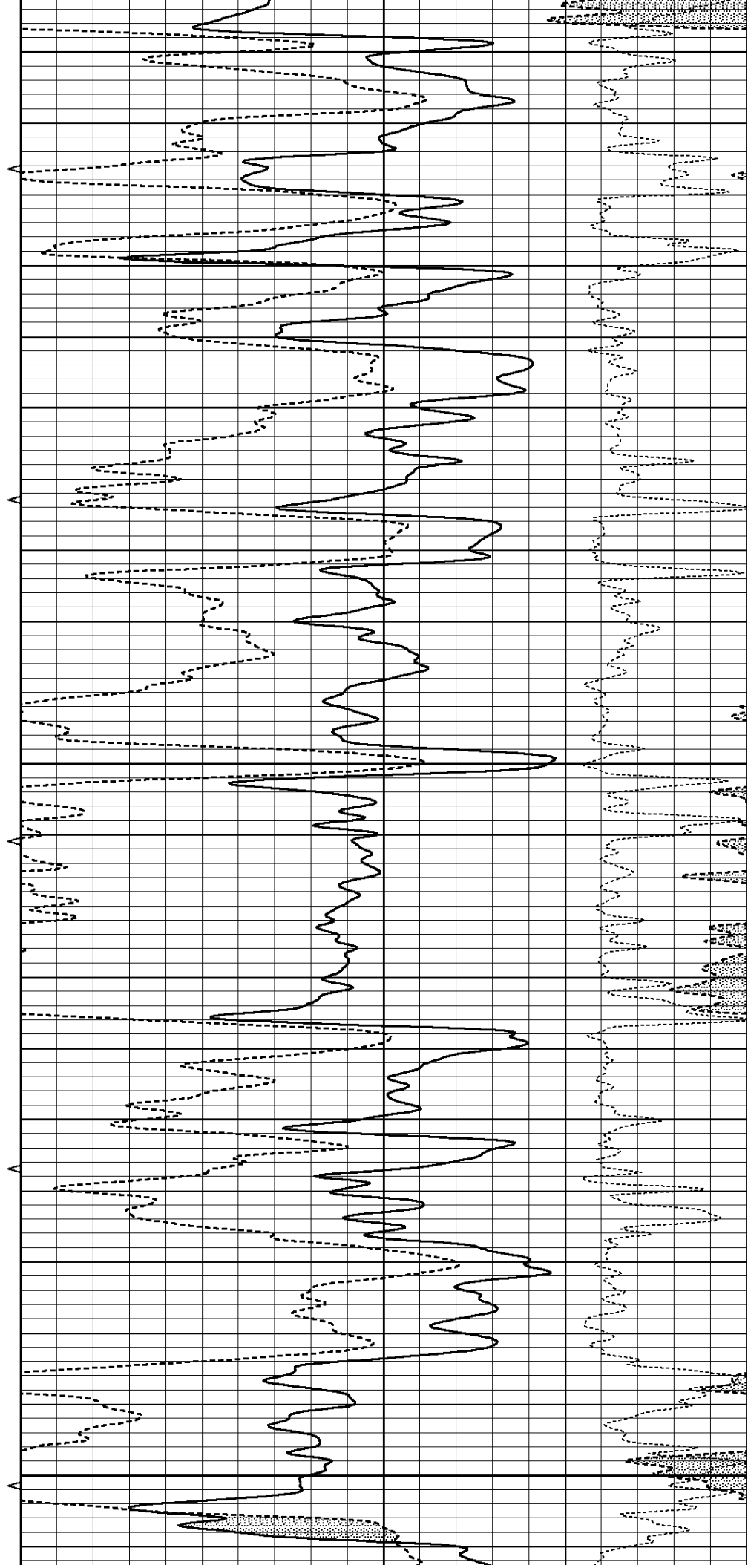
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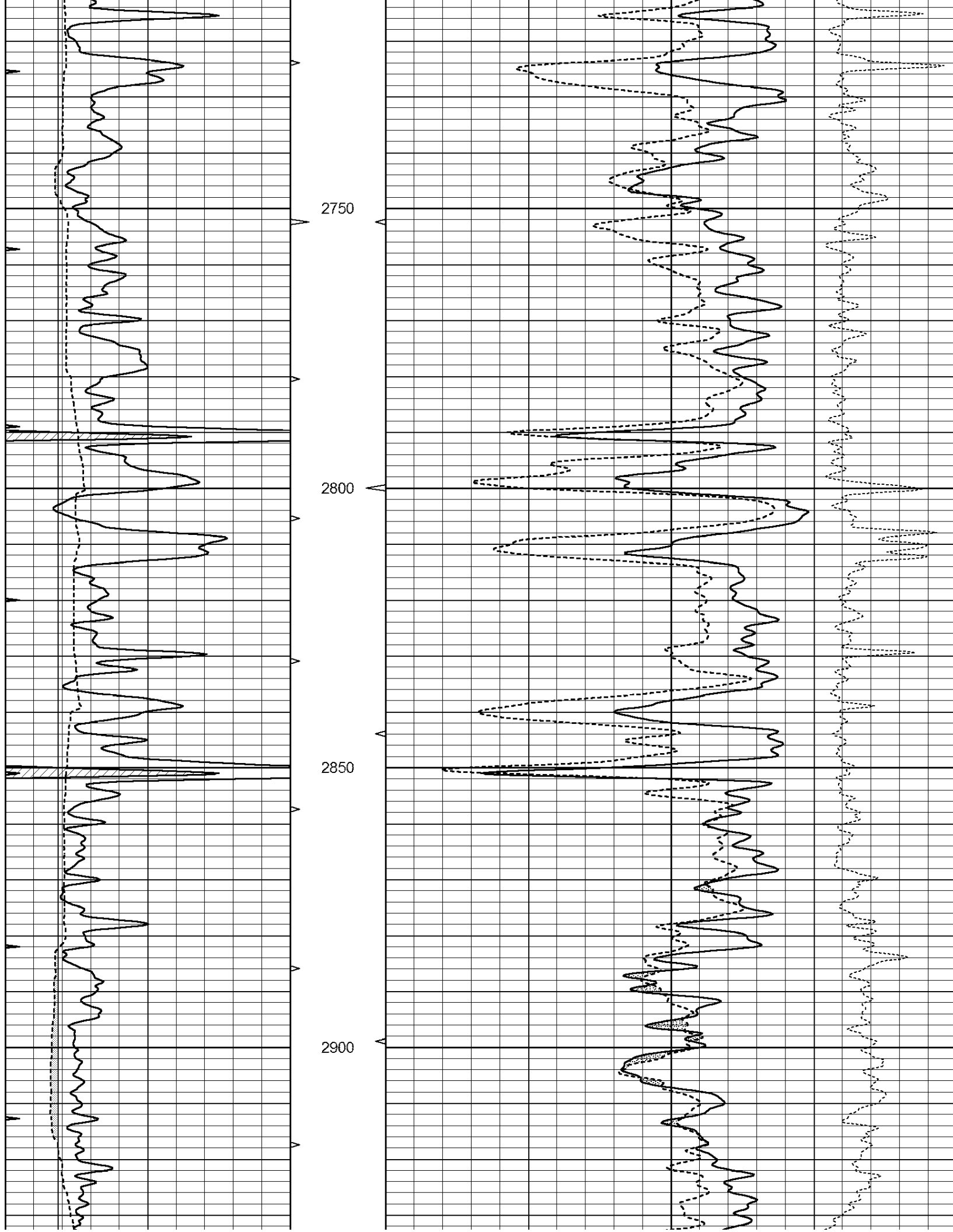
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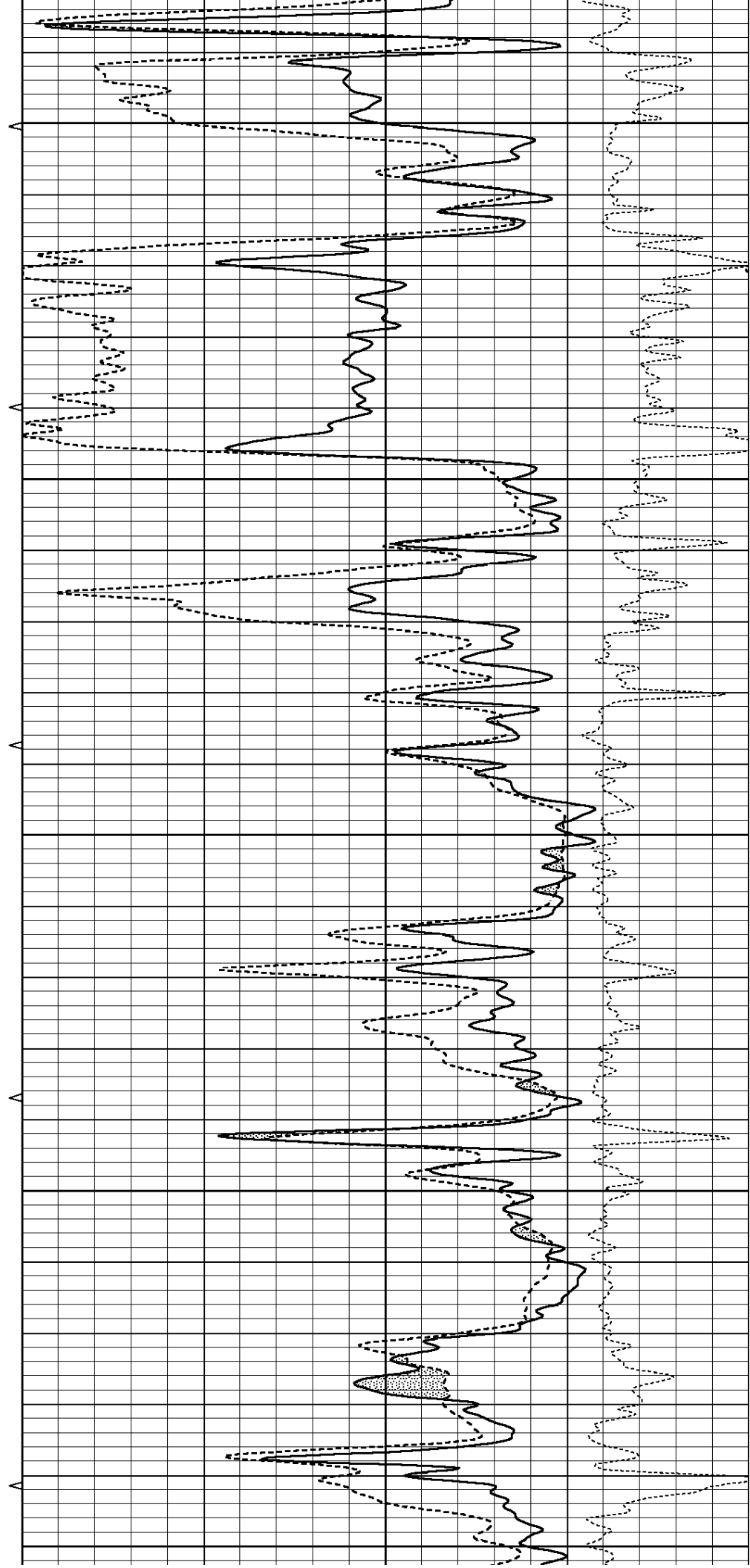
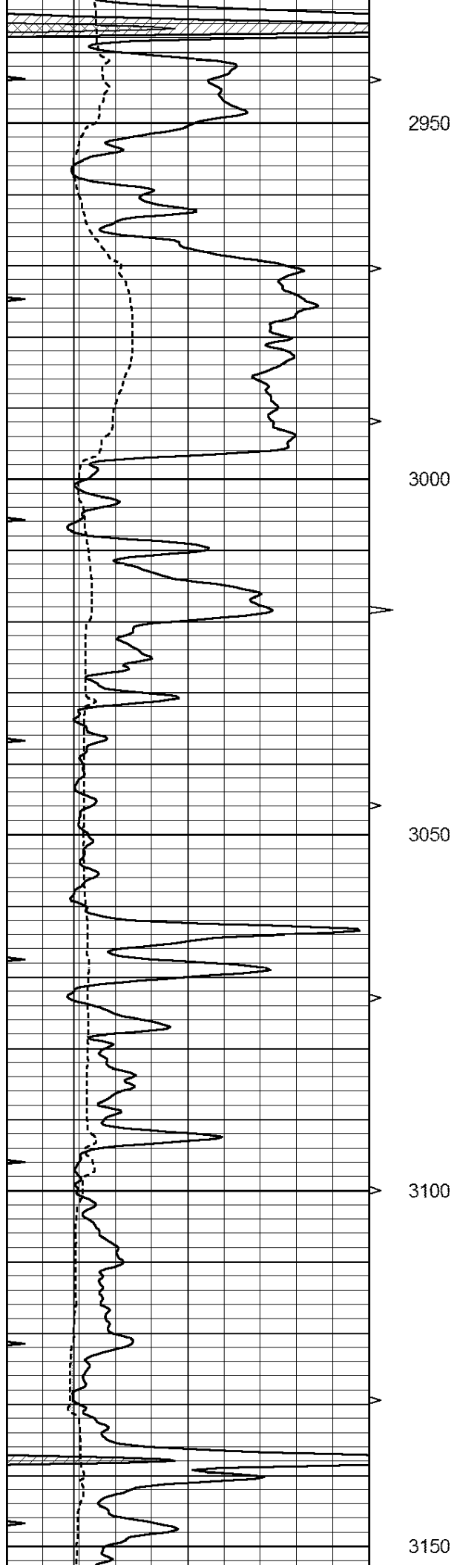
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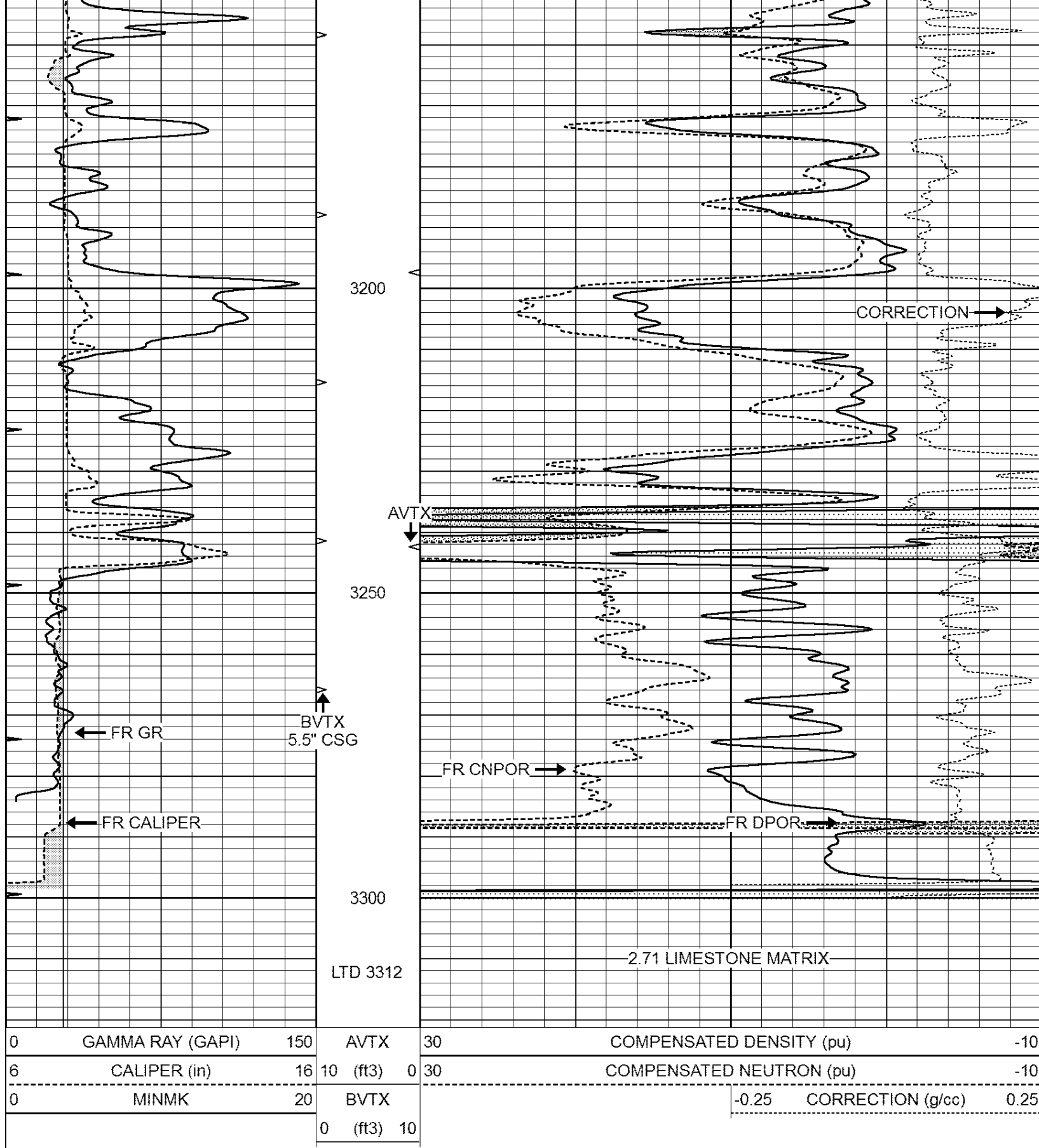
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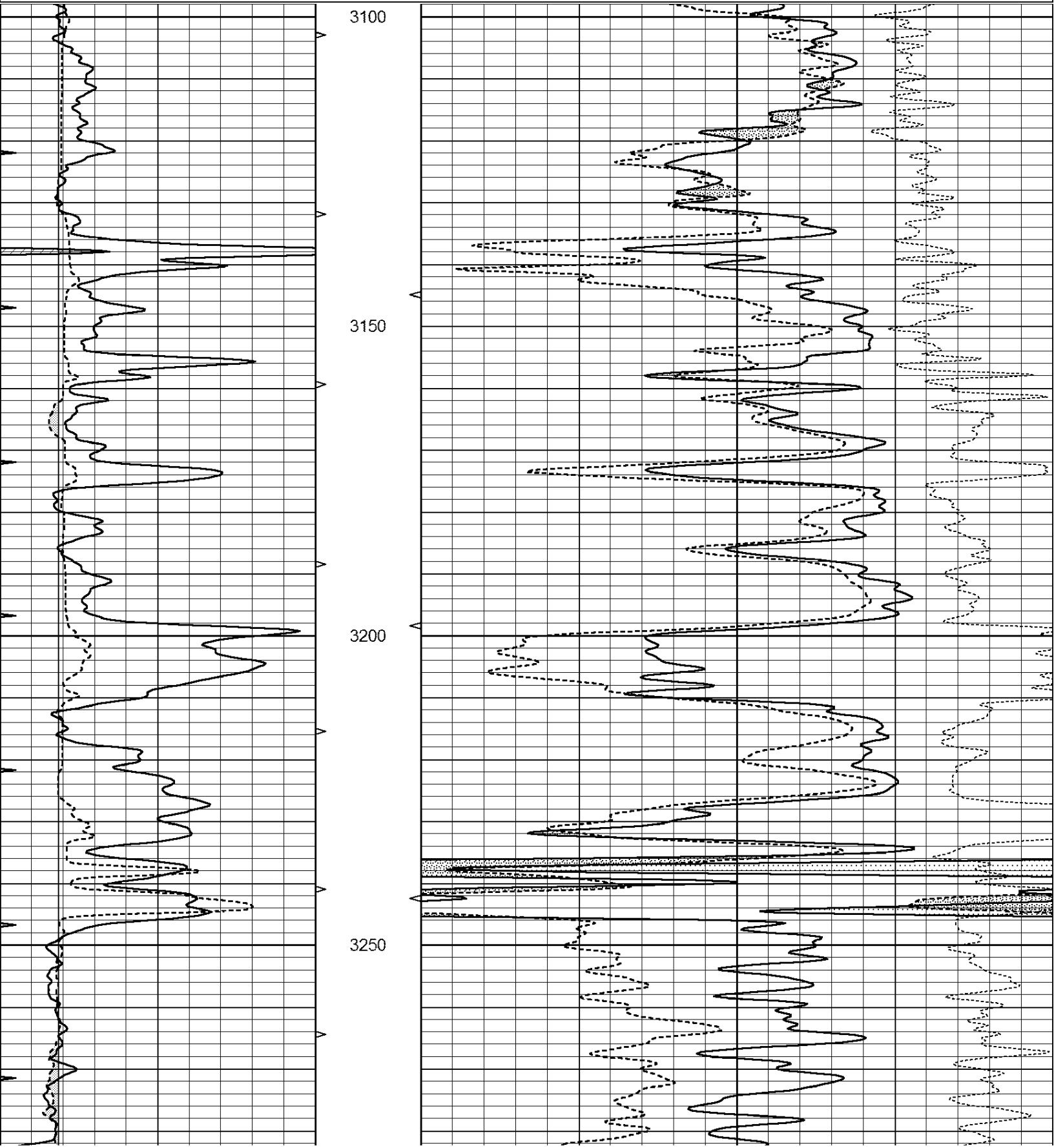








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Database File:		26268ddn.db		Calibration Report				
Dataset Pathname:		pass3.3						
Dataset Creation:		Wed Dec 03 23:45:11 2014 by Calc Open-Cased 090629						
Dual Induction Calibration Report								
Serial-Model:				PROBE7-DILG				
Surface Cal Performed:				Mon Nov 24 11:09:57 2014				
Downhole Cal Performed:				Sat Jan 19 19:51:38 2013				
After Survey Verification Performed:				Sat Jan 19 19:51:38 2013				
Surface Calibration								
		Readings			References		Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.793	0.790	V	0.000	400.000	mmho/m	520.000	14.000
Medium	0.992	1.002	V	0.000	464.000	mmho/m	570.000	-28.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.041	0.642	V	0.000	400.000	mmho/m	664.874	-27.011
Medium	0.035	0.802	V	0.000	464.000	mmho/m	604.936	-21.367
Downhole Calibration								
		Readings			References		Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	135384.000	27094.500	mmho/m	135400.000	27082.400	mmho/m	1.000	-19.259
Medium	-47330.100	-9381.740	mmho/m	-47327.100	-9389.280	mmho/m	1.000	-10.154
LL3		7.322	V		1400.000	Ohm-m		
		0.038	V		20.000	Ohm-m		
		-7.273	V		4000.000	mmho-m		
After Survey Verification								
		Readings			Targets		Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	135384.000	27094.500	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-47330.100	-9381.740	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1400.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		4000.000	mmho-m		

Serial-Model:	GEAR5-GEARHART
Source / Verifier:	147 / 147
Master Calibration Performed:	Sat Nov 29 00:24:07 2014
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	848.07	511.00	cps
Aluminum	2.610	g/cc	183.22	341.84	cps
Spine Angle = 75.30			Density/Spine Ratio = 0.568		
	Size		Reading		
Small Ring	8.20	in	1.64	V	
Large Ring	14.00	in	2.93	V	

Before Survey Verification

Target	Measured
g/cc	g/cc
g/cc	g/cc
g/cc	g/cc

After Survey Verification

Target	Measured
g/cc	g/cc
g/cc	g/cc
g/cc	g/cc

Compensated Neutron Calibration Report

Serial Number:	080620
Tool Model:	Probe

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

Gamma Ray Calibration Report

Serial Number:	46001
Tool Model:	Probe1
Performed:	Mon Nov 24 09:45:18 2014
Calibrator Value:	1.0 GAPI
Background Reading:	0.0 cps
Calibrator Reading:	1.0 cps
Sensitivity:	0.2600 GAPI/cps