

COMPENSATED
DENSITY/NEUTRON
LOG

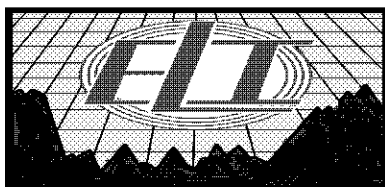
Company DARRAH OIL COMPANY, LLC.		Company DARRAH OIL COMPANY, LLC.	
Well GAUNT 32 A #1		Well GAUNT 32 A #1	
Field HISS		Field HISS	
County BARTON		County BARTON	
State KANSAS		State KANSAS	
Location:		API # : 15-009-26239-0000	Other Services
2278' FNL & 746' FEL			DIL
SEC 32 TWP 20S RGE 13W			MEL/SON
Permanent Datum	GROUND LEVEL	Elevation	
Log Measured From	KELLY BUSHING 5' A.G.L	K.B. 1898	
Drilling Measured From	KELLY BUSHING	D.F. 1896	
		G.L. 1893	
Date	11/13/18		
Run Number	ONE		
Depth Driller	3730		
Depth Logger	3732		
Bottom Logged Interval	3708		
Top Log Interval	2700		
Casing Driller	8 5/8" @ 303		
Casing Logger	303		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	8.6/55		
pH / Fluid Loss	NA		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.65 @ 71F		
Rmf @ Meas. Temp	.48 @ 71F		
Rmc @ Meas. Temp	.78 @ 71F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.40 @ 114F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	114F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPELLUCCI		
Witnessed By	SETH EVENSON		

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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

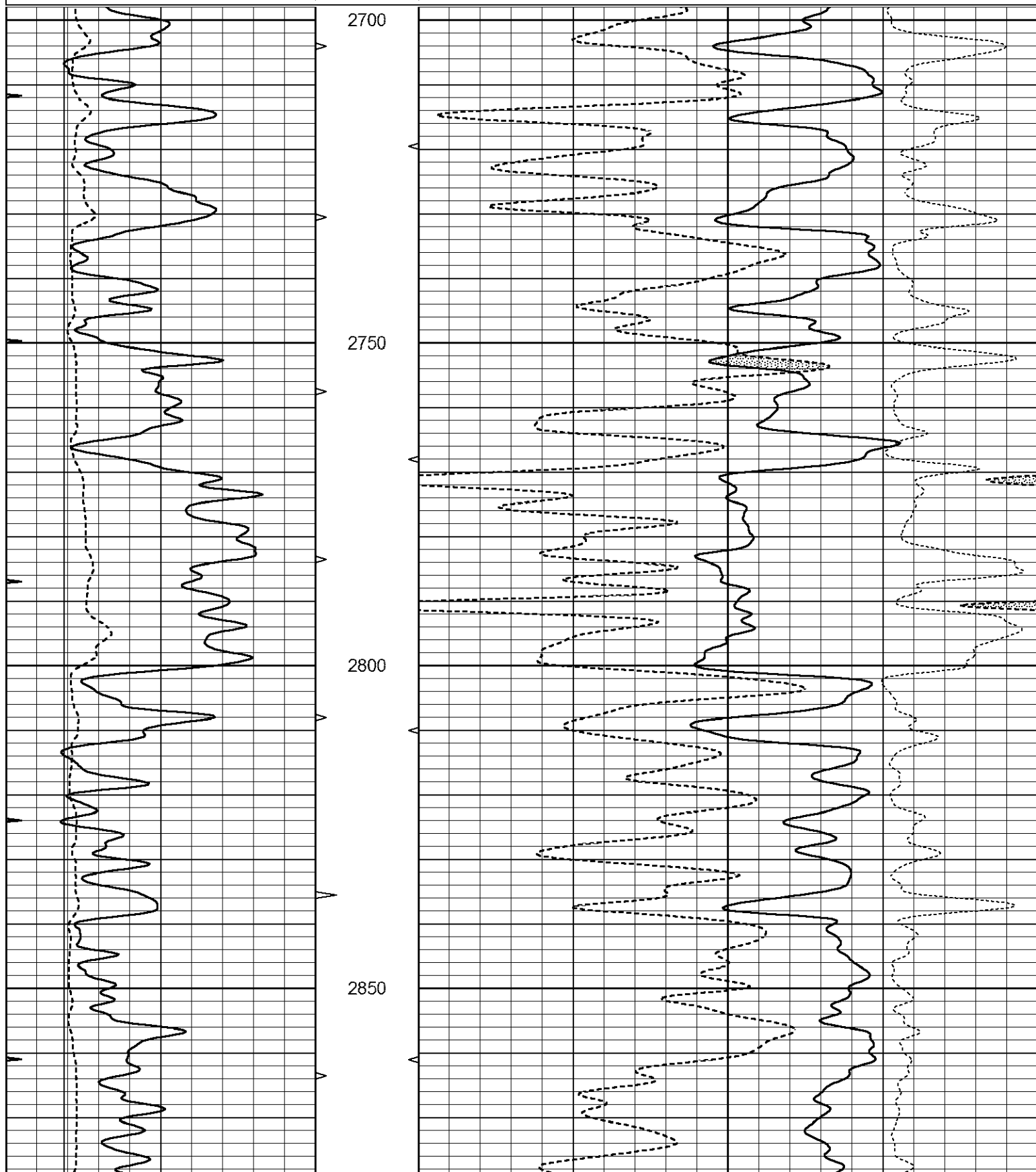
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
GREAT BEND, KS. - 6 SOUTH TO RD. 60 - 1 WEST - 1/2 SOUTH - WEST INTO

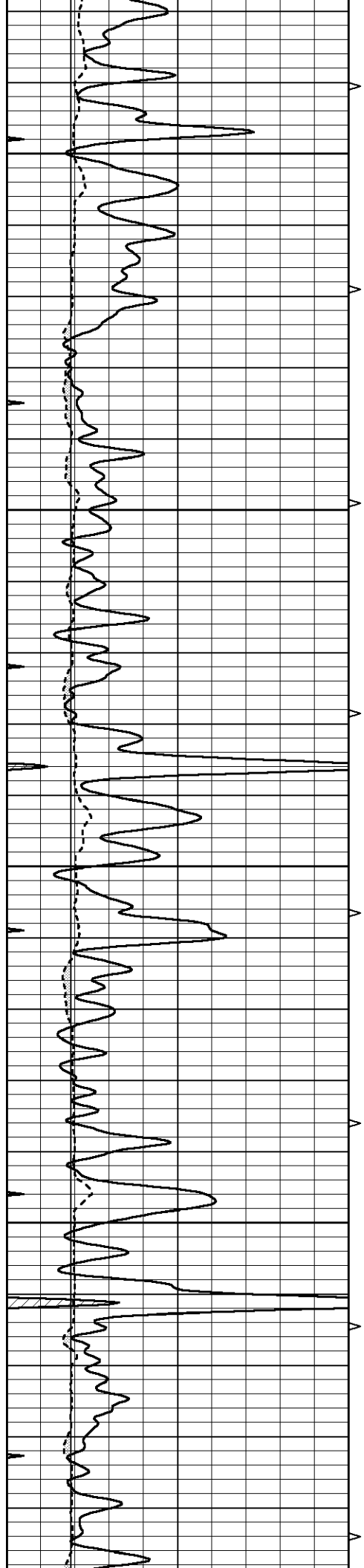


MAIN SECTION

Database File 3017ddn8.db
Dataset Pathname pass3.1.2
Presentation Format _den_neu
Dataset Creation Tue Nov 13 19:41:26 2018
Charted by Depth in Feet scaled 1:240

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



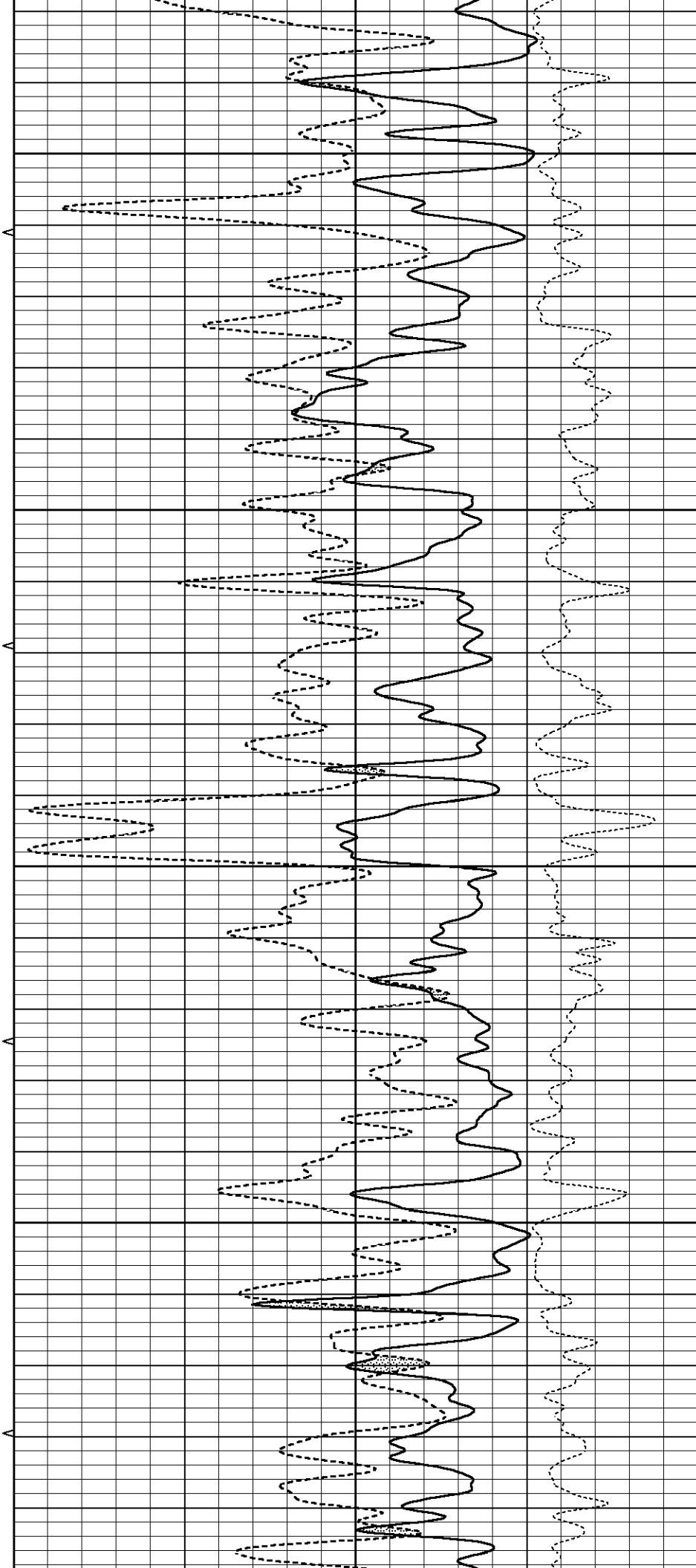


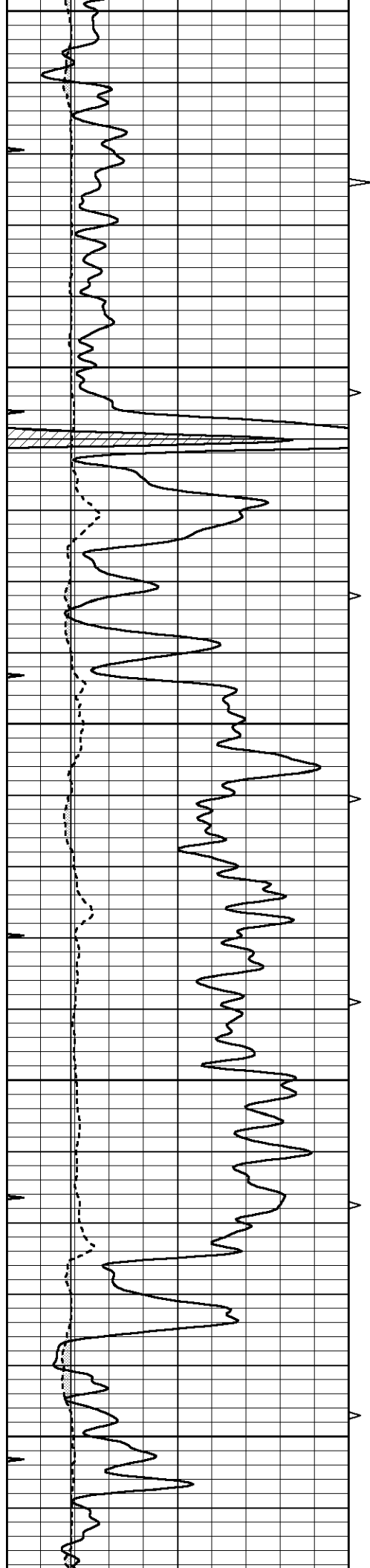
2900

2950

3000

3050





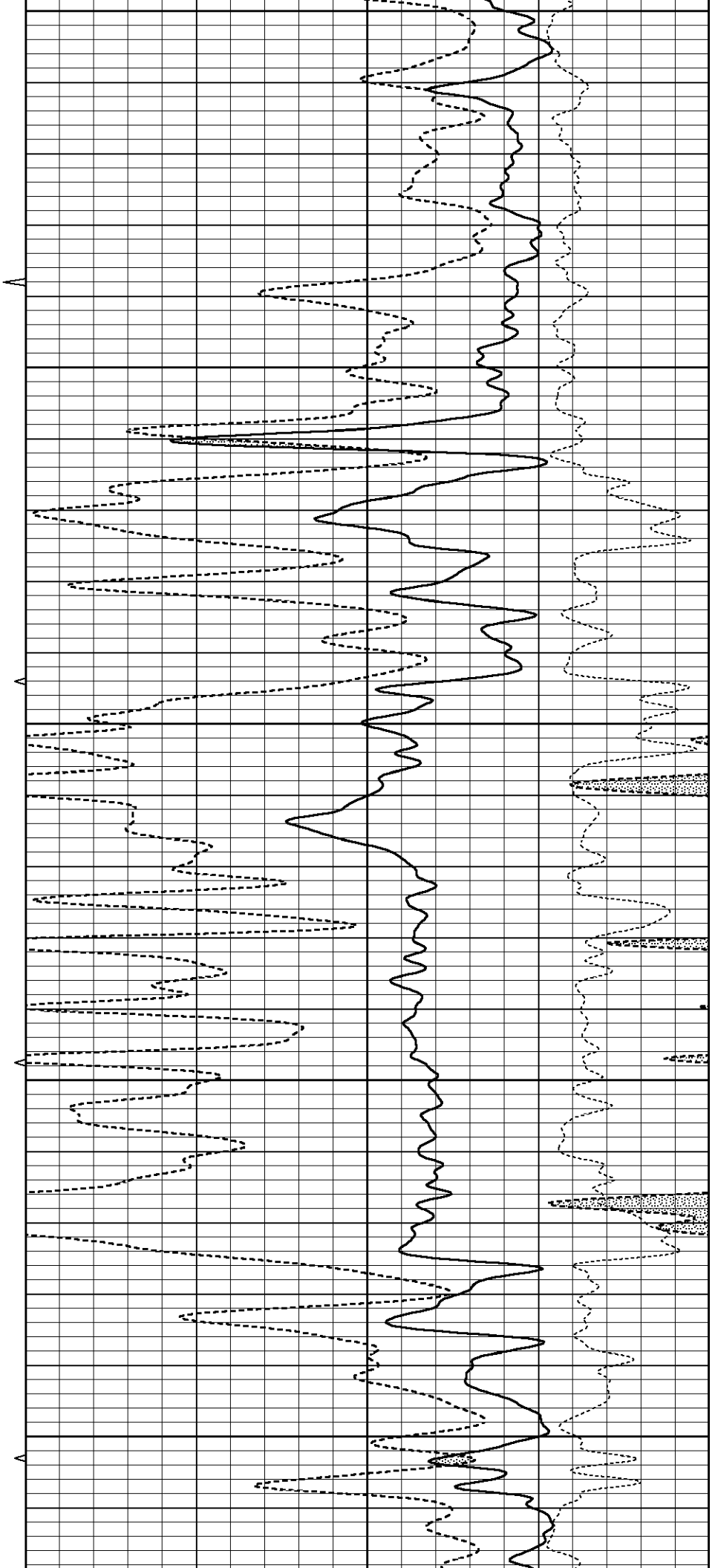
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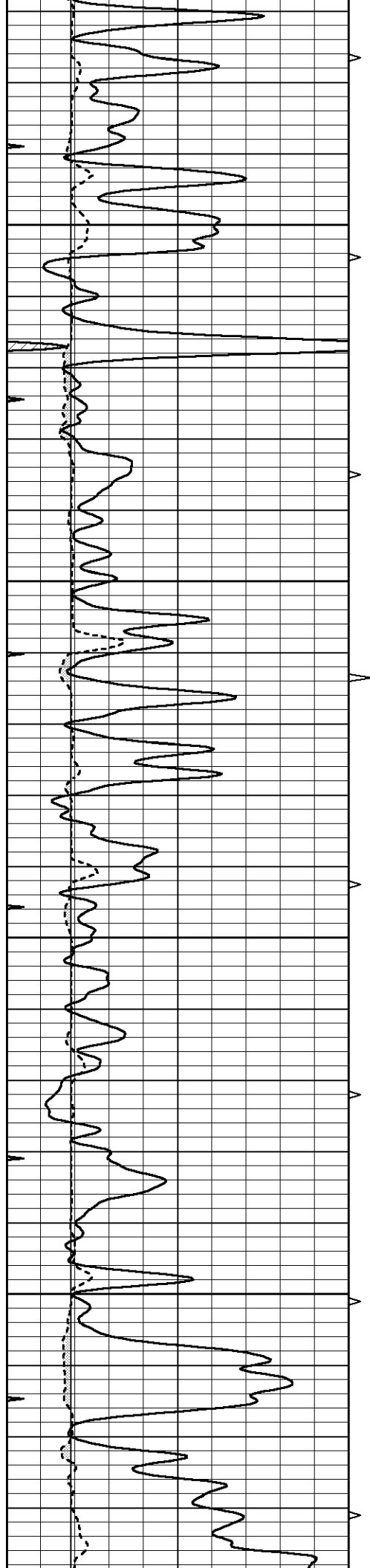
3150

3200

3250

3300



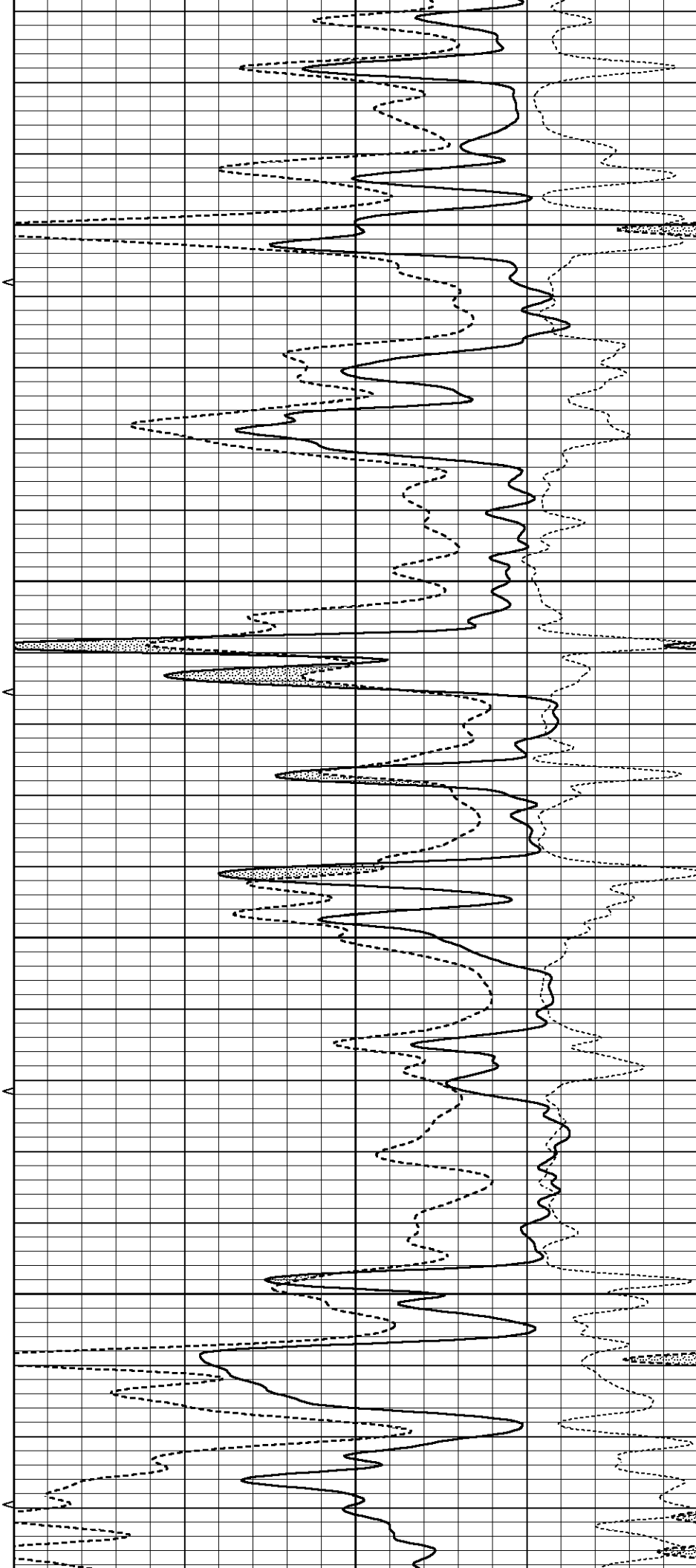


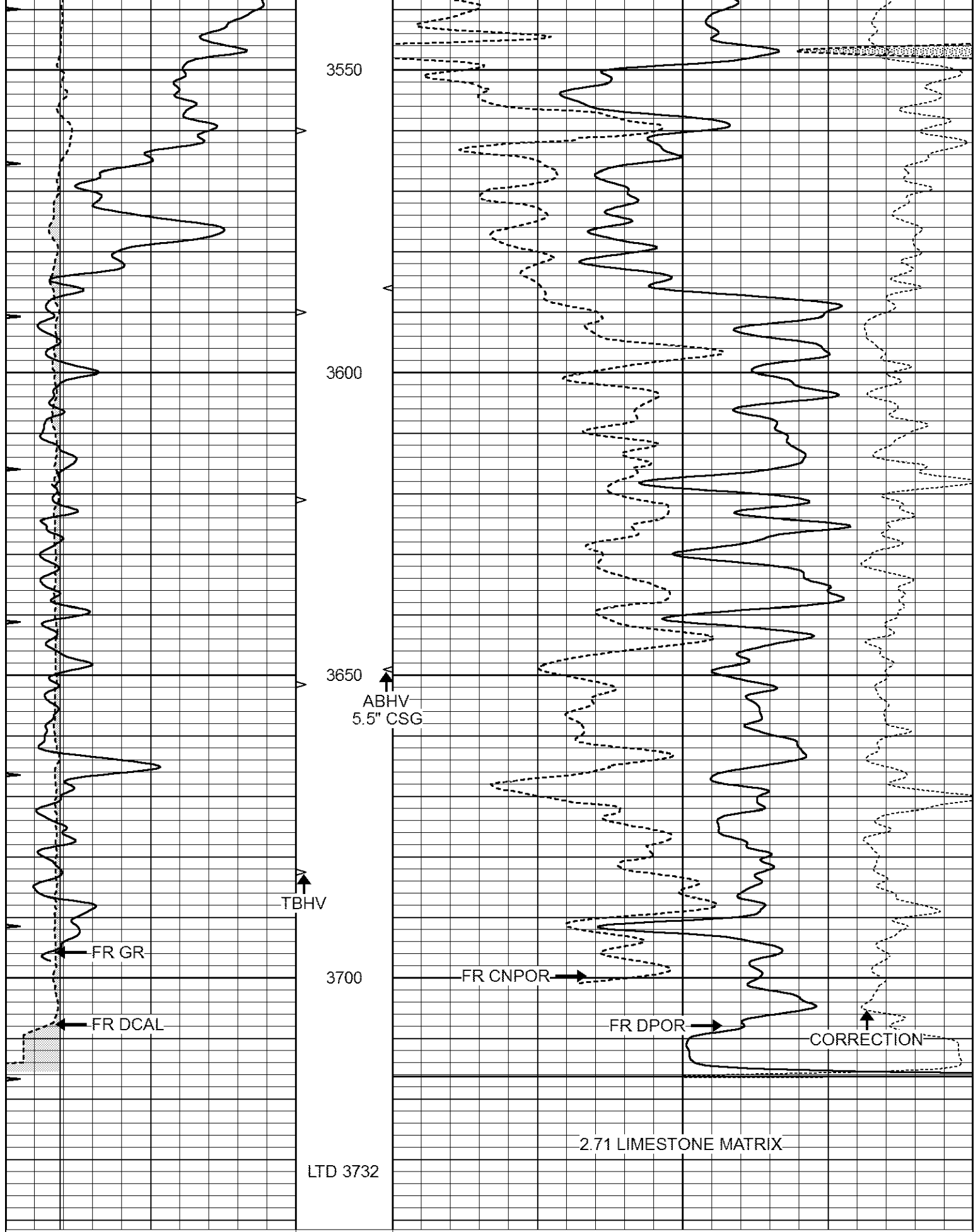
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3400

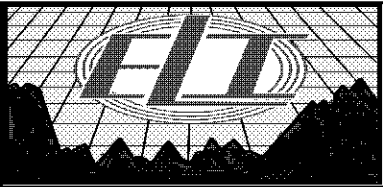
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3500





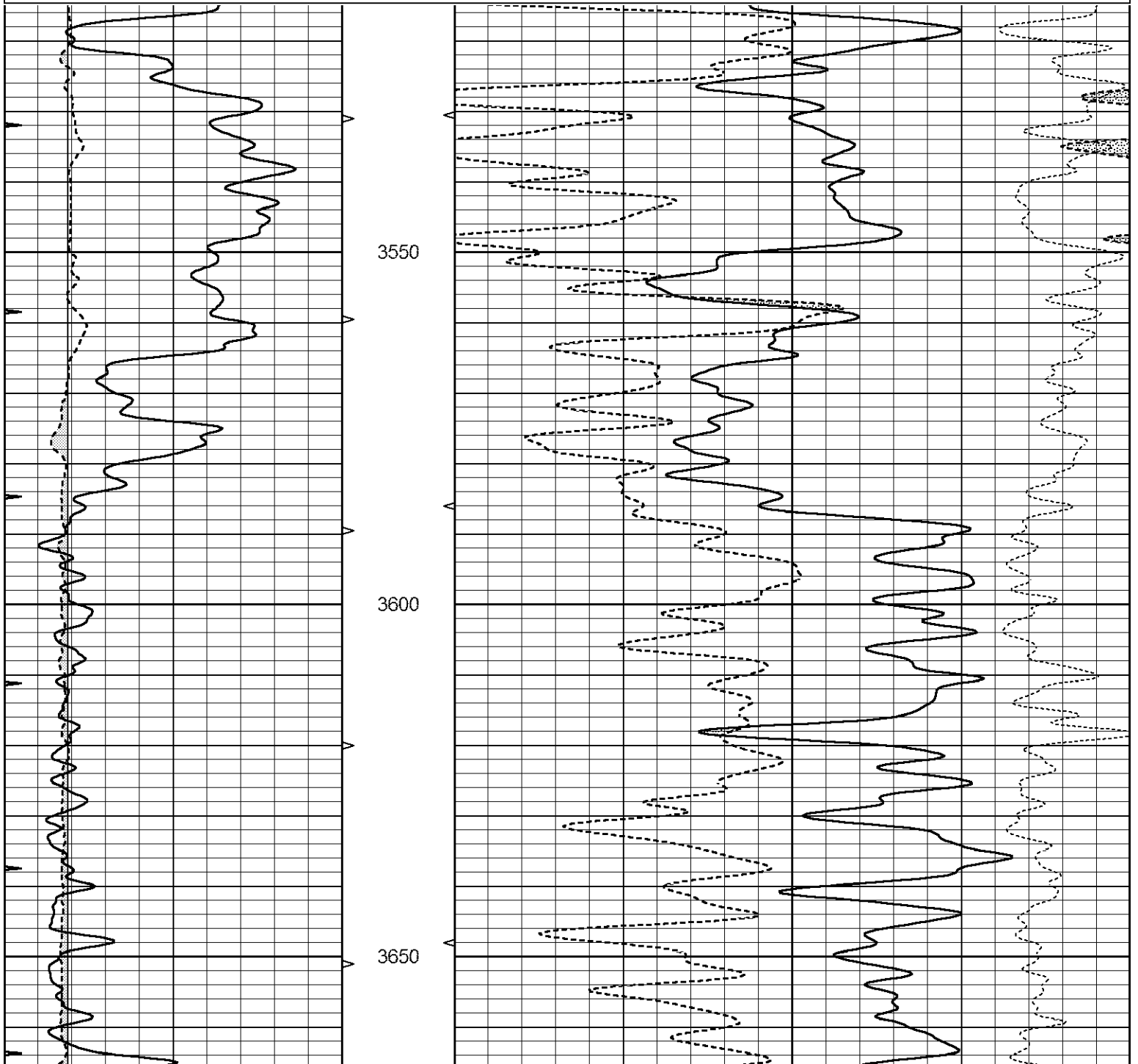
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)			-10
0	MINMK	20	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)			-10
6	CALIPER (in)	16	BVTX			-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10				

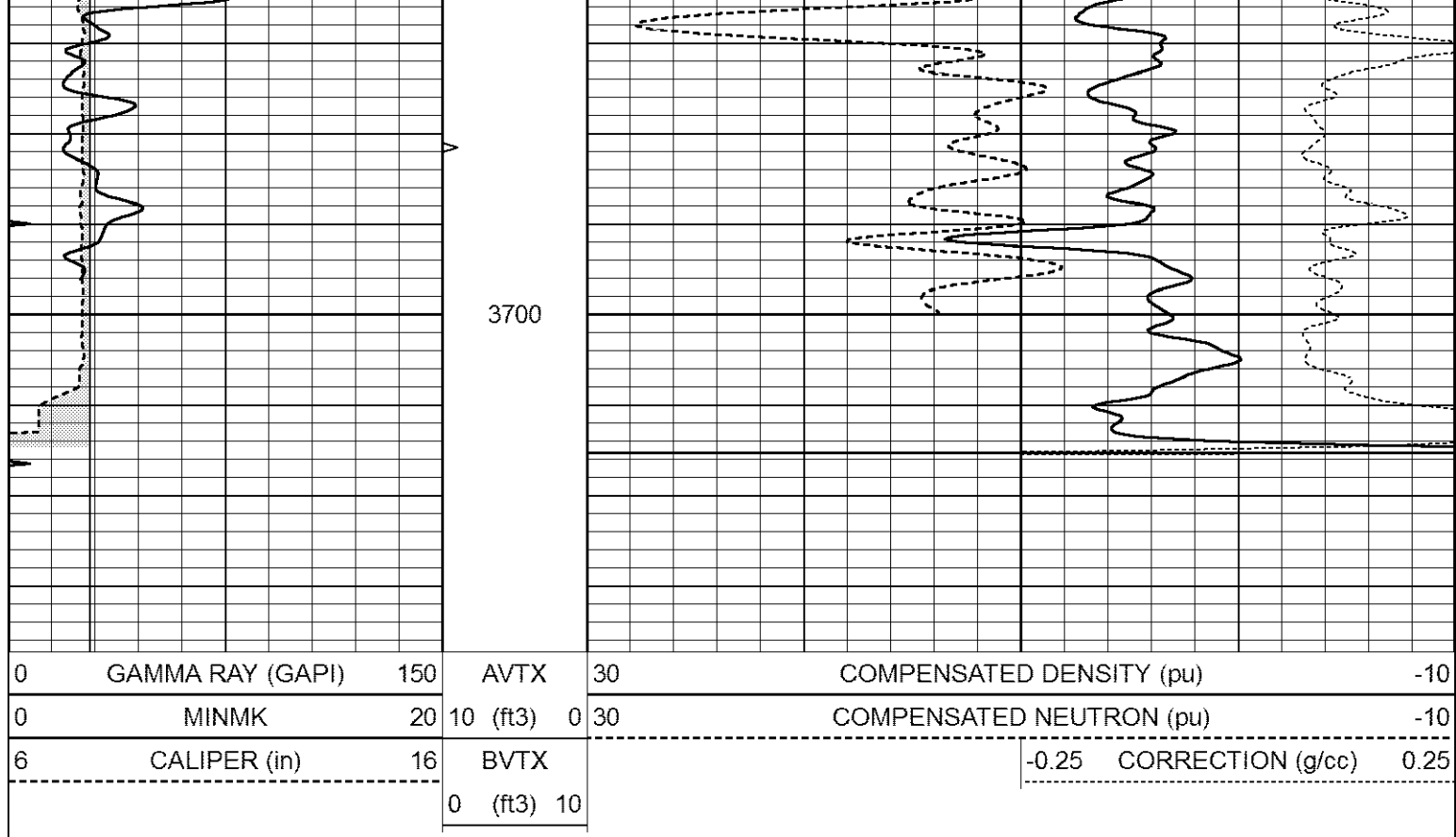


REPEAT SECTION

Database File 3017ddn8.db
Dataset Pathname pass2.1
Presentation Format _den_neu
Dataset Creation Tue Nov 13 18:56:02 2018
Charted by Depth in Feet scaled 1:240

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





Calibration Report									
Database File	3017ddn8.db								
Dataset Pathname	pass3.1.1								
Dataset Creation	Tue Nov 13 19:13:13 2018								
Dual Induction Calibration Report									
Serial-Model:					FW1410-55-Probe				
Surface Cal Performed:					Mon May 22 14:23:32 2017				
Downhole Cal Performed:					Thu Mar 12 09:29:20 2015				
After Survey Verification Performed:					Thu Mar 12 09:29:20 2015				
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.011	0.656	V	1.000	400.000	mmho/m	618.595	-5.524	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595	
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251	
Downhole Calibration									
Readings				References			Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149	
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099	
LL3		7.503	V		1500.000	Ohm-m			
		0.001	V		20.000	Ohm-m			
		-7.481	V		3745.000	mmho-m			
After Survey Verification									
Readings				Targets			Results		

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

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Compensated Neutron Calibration Report
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Serial Number:	080621PMC
Tool Model:	NABORS

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:	7	
Tool Model:	Probe1	
Performed:	Wed Jun 29 11:10:58 2016	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.4300	GAPI/cps