



COMPENSATED DENSITY/NEUTRON LOG

Company SOUTHWIND PETROLEUM, CORPORATION
Well CDK HOLDINGS, LLC. #16-2
Field DILLWIN
County STAFFORD State KANSAS

Location: API #: 15-185-24069-0000
1025' FSL & 1615' FWL
Permanent Datum GROUND LEVEL Elevation 1974
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DIL/MEL
SONIC
Elevation
K.B. 1985
D.F. 1983
G.L. 1974

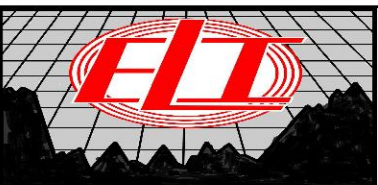
Date	3/27/20		
Run Number	ONE		
Depth Driller	4280		
Depth Logger	4280		
Bottom Logged Interval	4256		
Top Log Interval	3200		
Casing Driller	8 5/8" @ 417'		
Casing Logger	417'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8700 PPM	
Density / Viscosity	9.3/68		
pH / Fluid Loss	8.0/12.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.30 @ 65F		
Rmf @ Meas. Temp	0.22 @ 65F		
Rmc @ Meas. Temp	0.36 @ 65F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	0.16 @ 119F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	119F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	BOB WILLIAMS		

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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.

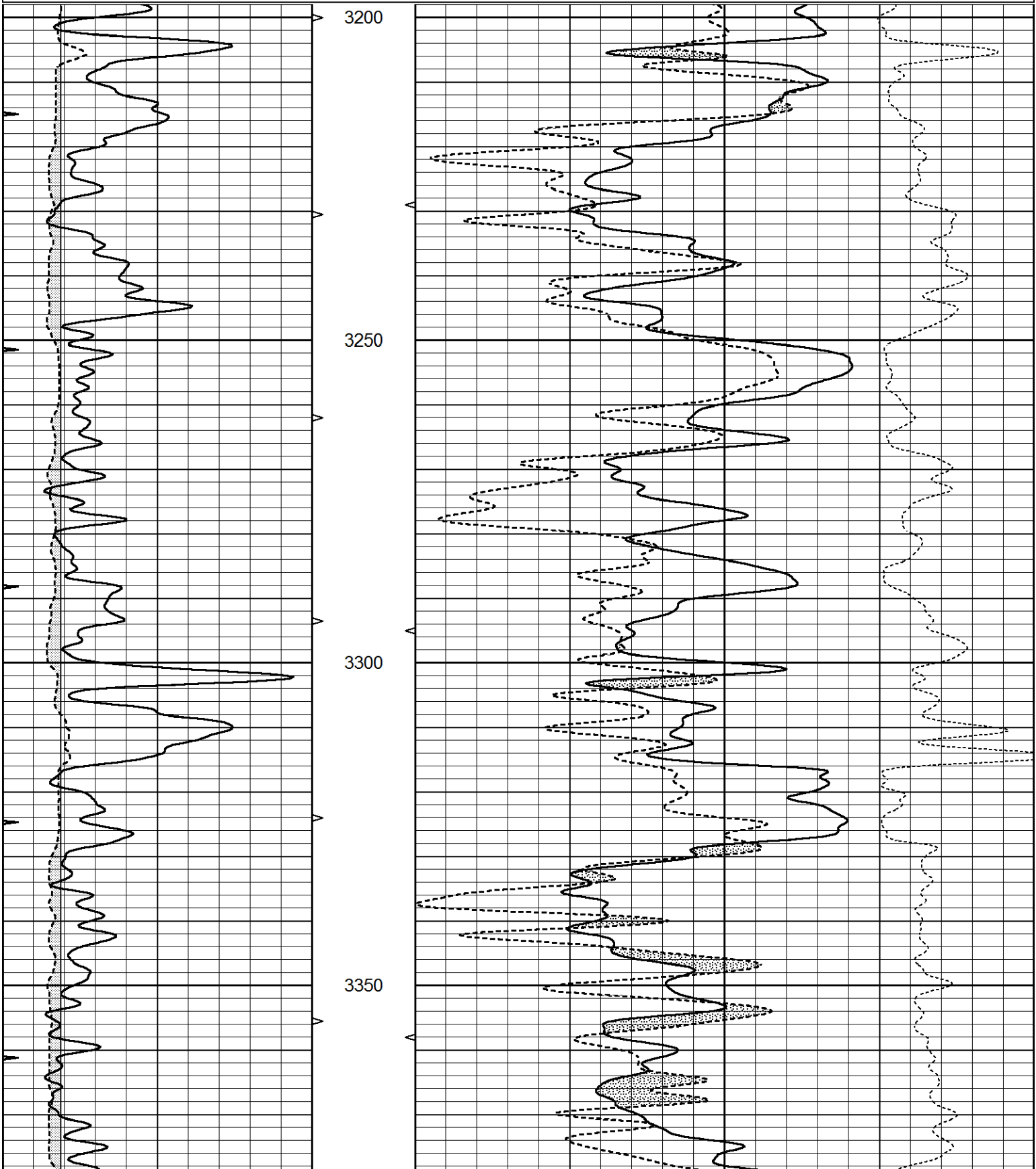
Comments

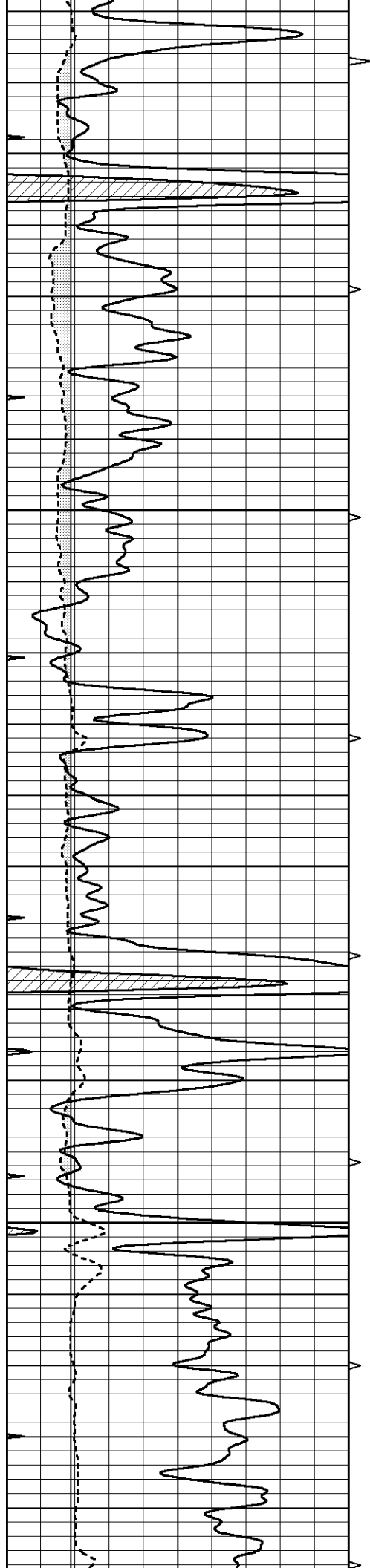
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
MACKSVILLE, KS. - EAST TO RD. 70 - 1/4 NORTH - EAST INTO



MAIN SECTION

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			



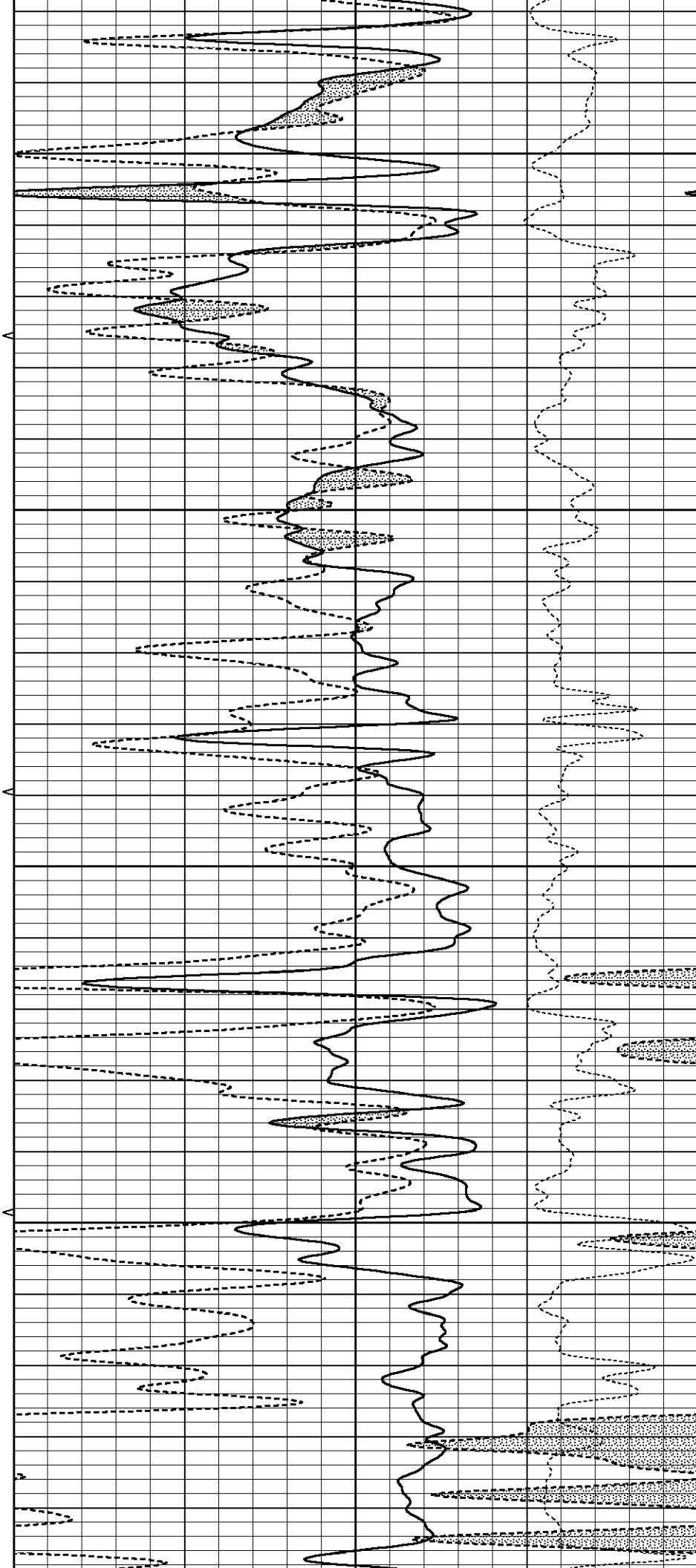


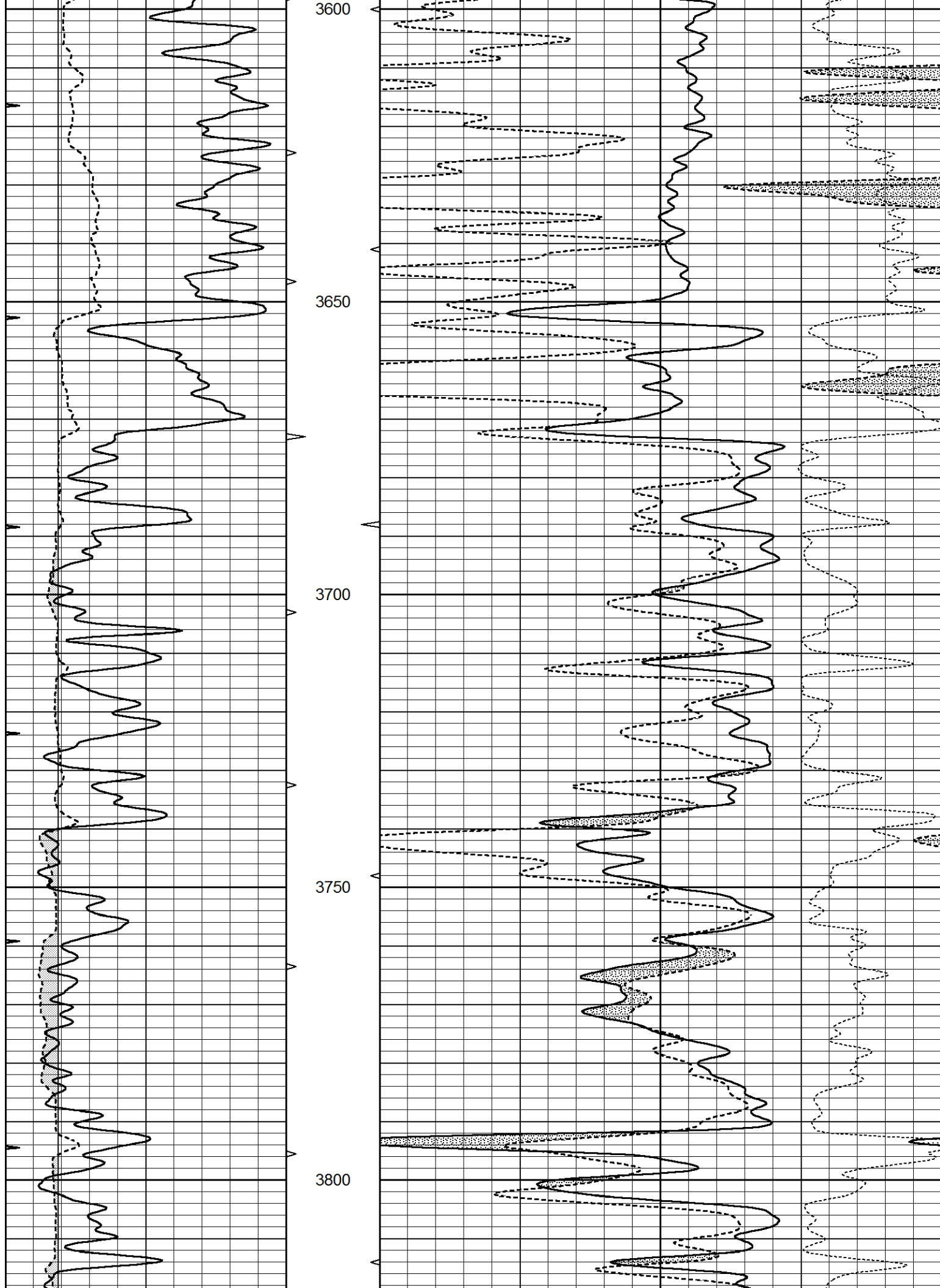
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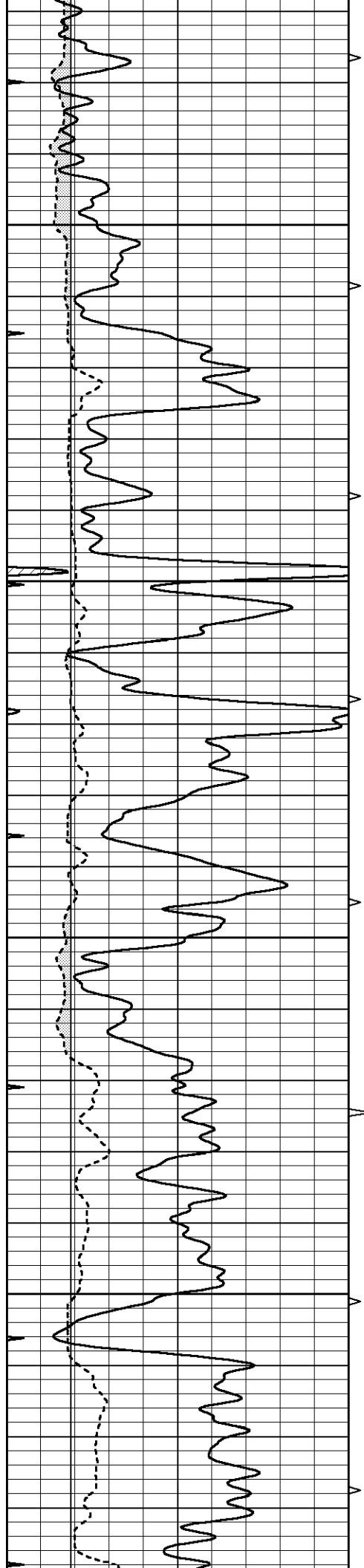
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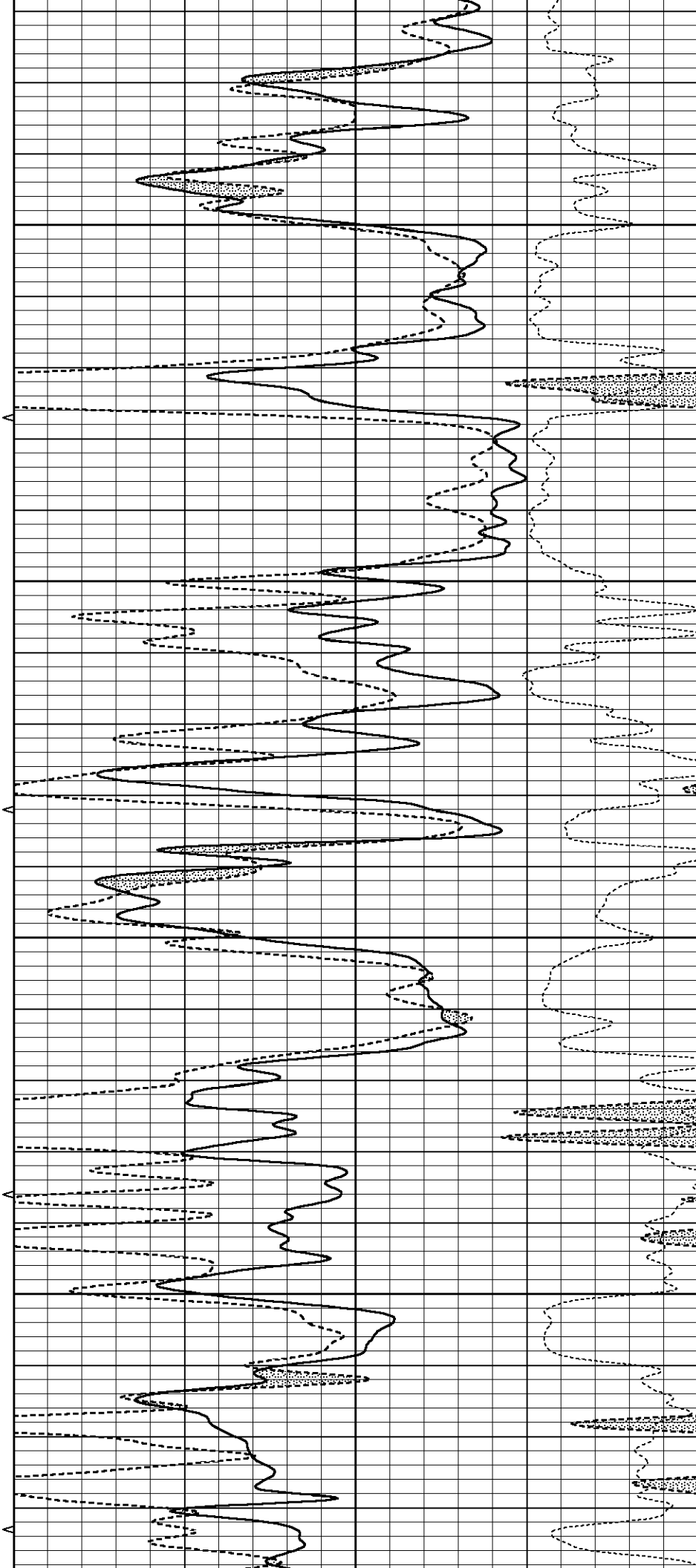


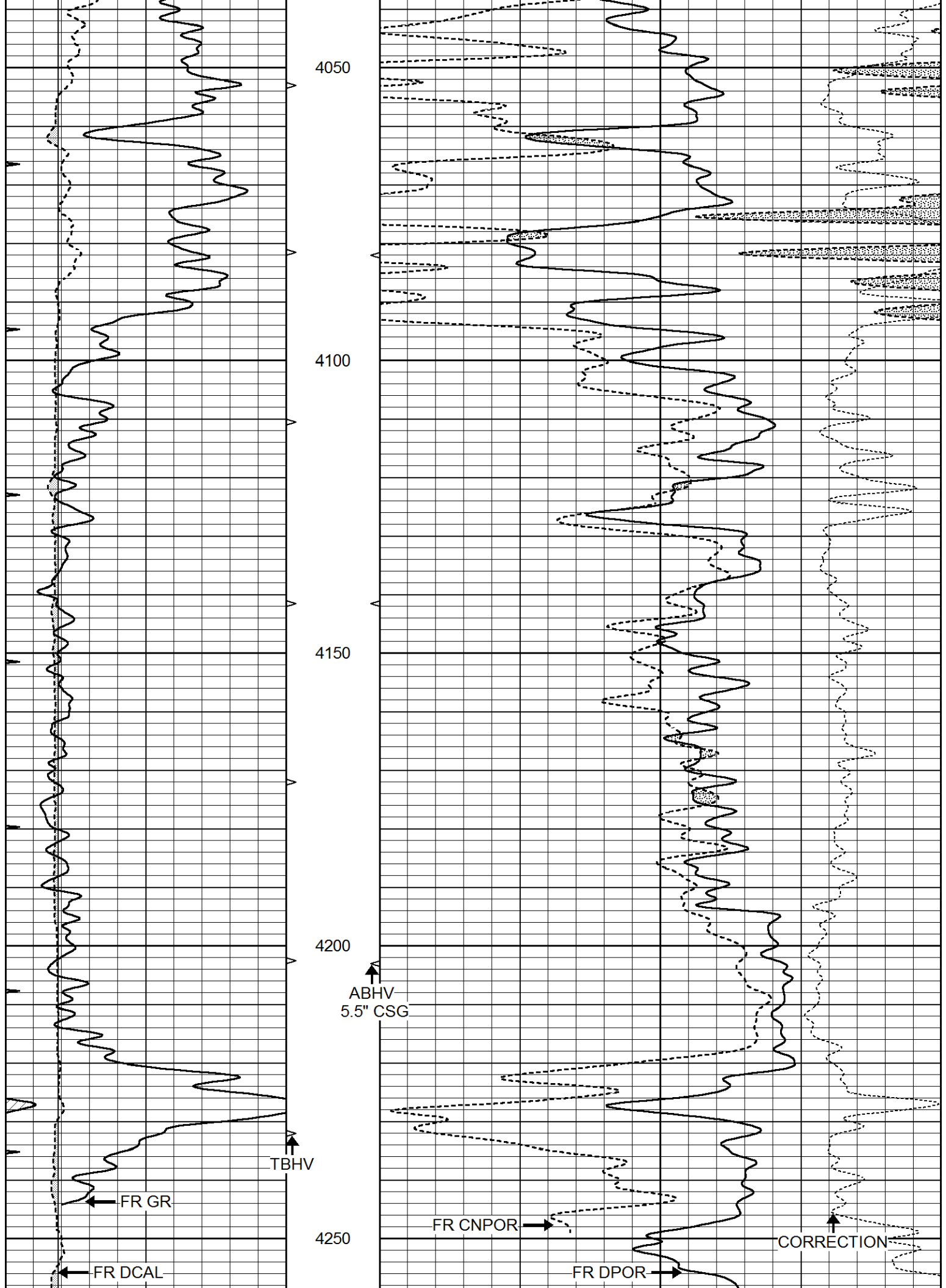
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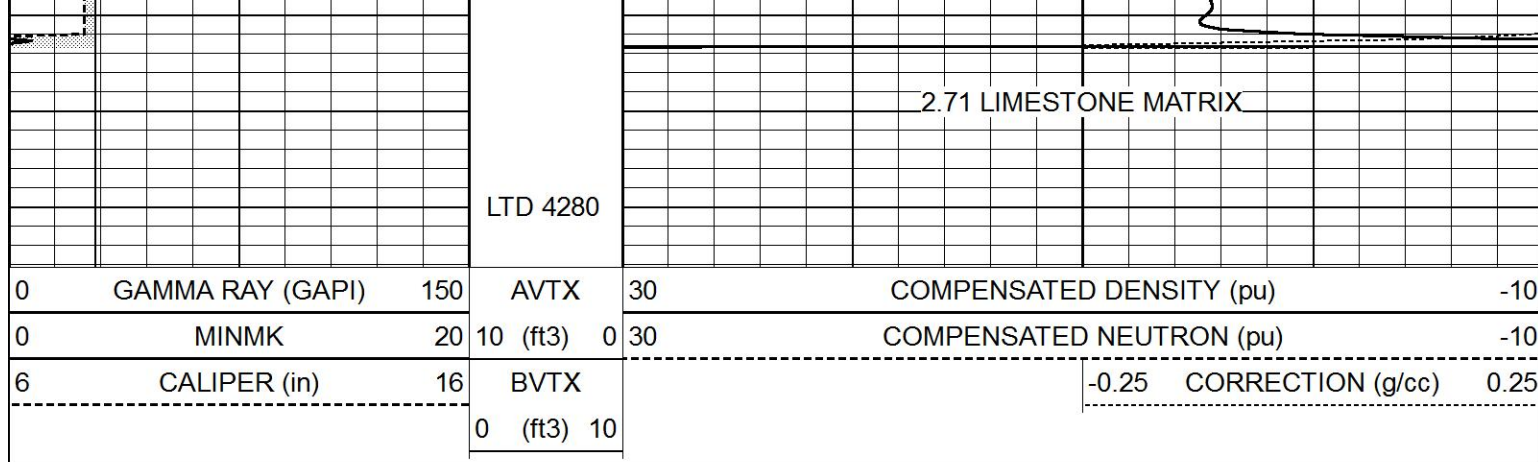
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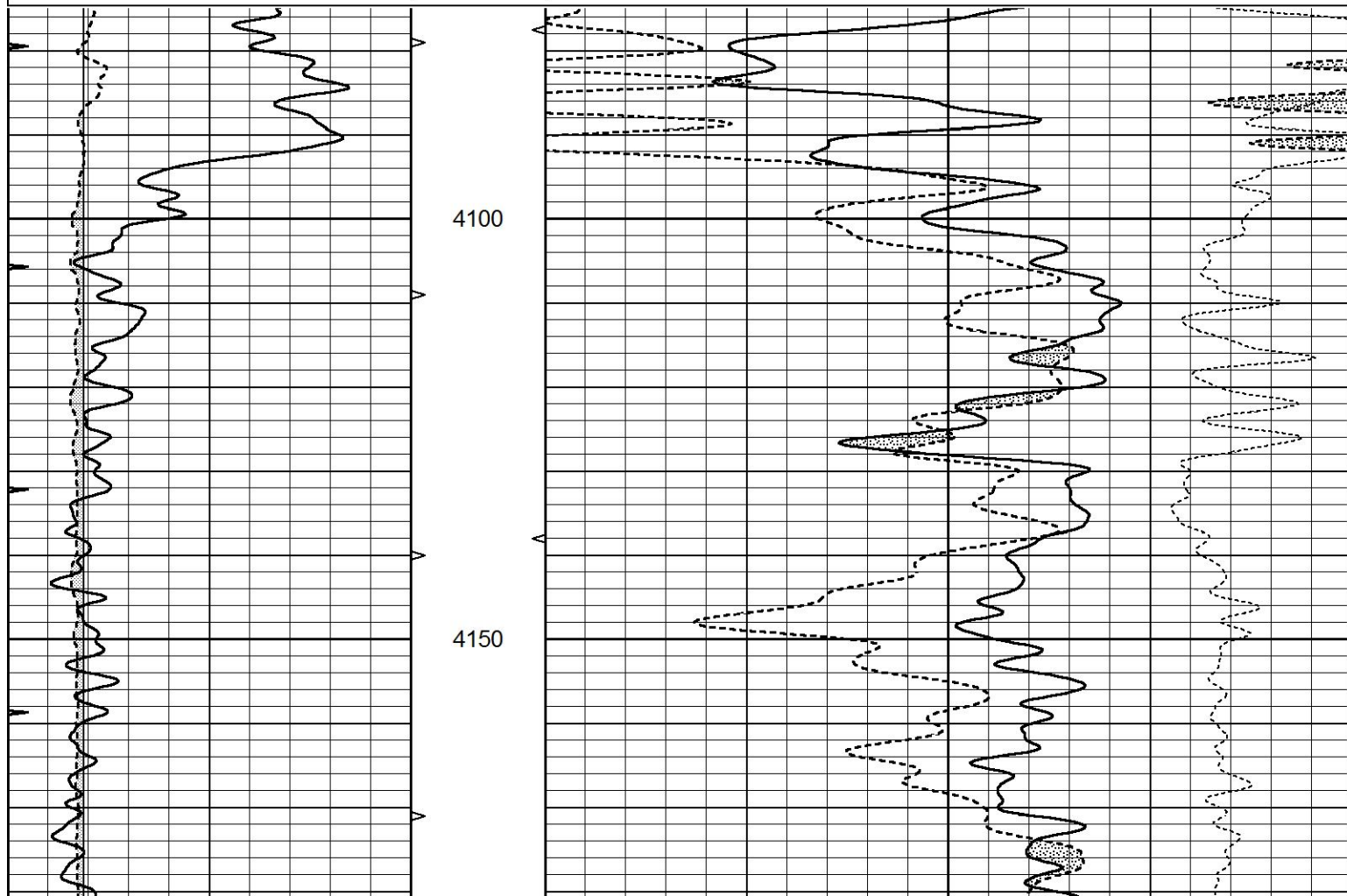
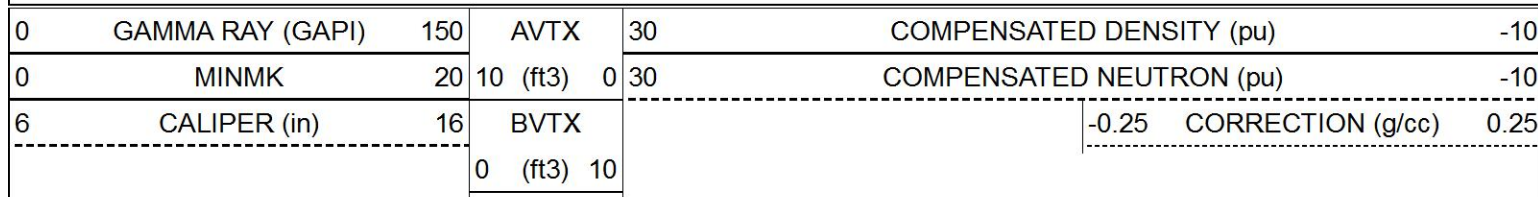


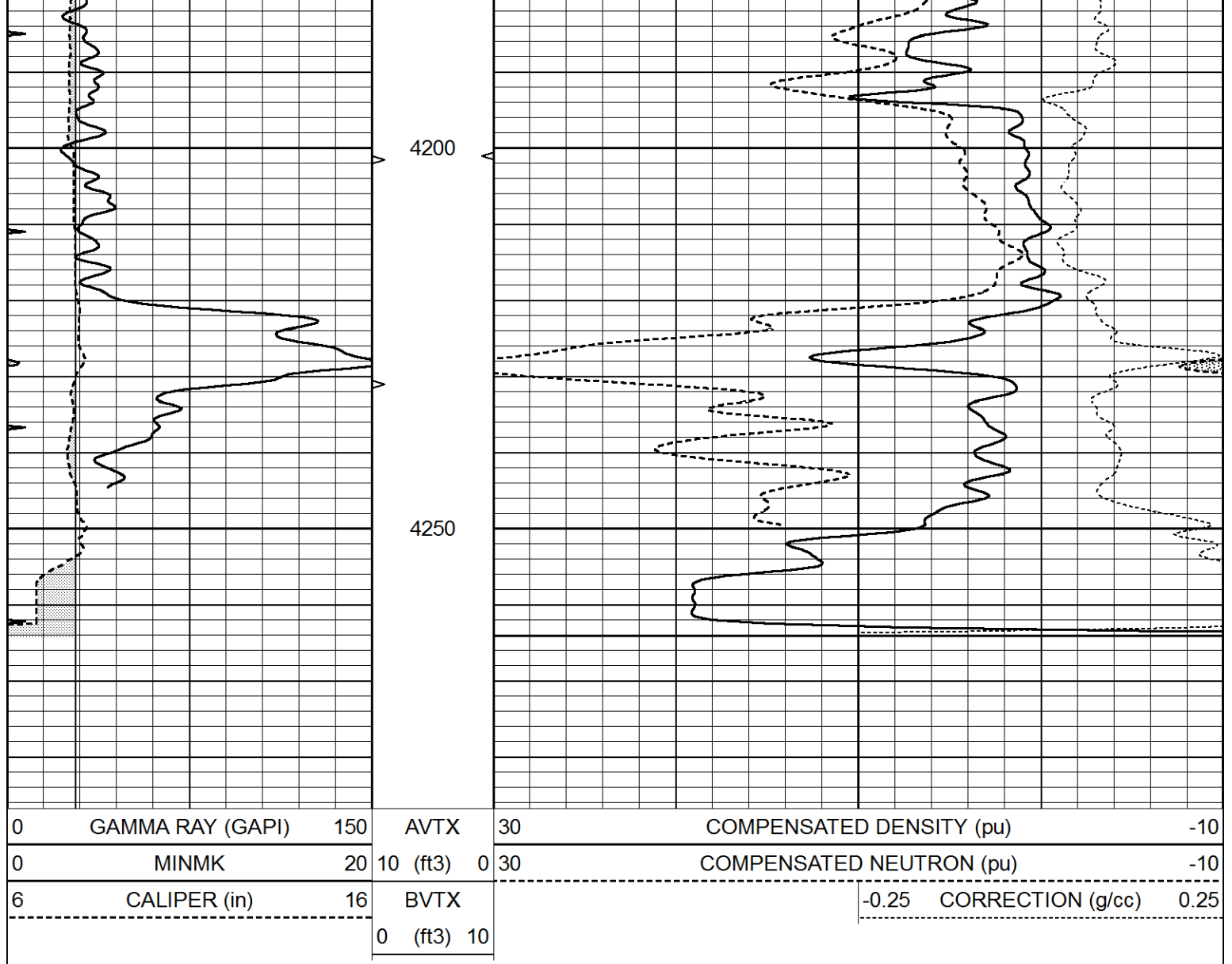




REPEAT SECTION

Database File 4374ddn.db
 Dataset Pathname pass2.1
 Presentation Format _den_neu
 Dataset Creation Fri Mar 27 09:56:37 2020
 Charted by Depth in Feet scaled 1:240





Calibration Report										
Database File	4374ddn.db									
Dataset Pathname	pass2.1									
Dataset Creation	Fri Mar 27 09:56:37 2020									
Dual Induction Calibration Report										
Serial-Model:			FW1410-55-Probe							
Surface Cal Performed:			Tue Feb 19 11:44:18 2019							
Downhole Cal Performed:			Tue Feb 19 11:44:24 2019							
After Survey Verification Performed:			Tue Feb 19 11:44:27 2019							
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	
	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		
Compensated Neutron Calibration Report								
			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:			Tue Dec 10 10:02:55 2019					
Calibrator Value:			1.0		GAPI			
Background Reading:			0.0		cps			
Calibrator Reading:			1.0		cps			
Sensitivity:			0.4800		GAPI/cps			