



COMPENSATED DENSITY/NEUTRON LOG

Company		K&N PETROLEUM, INC.	
Well		SCHLESSIGER #3-1	
Field		CLAFLIN	
County		BARTON	
State		KANSAS	
Location:		API # : 15-009-26326-0000	
Permanent Datum		GROUND LEVEL Elevation 1799	
Log Measured From		KELLY BUSHING 10' A.G.L	
Drilling Measured From		KELLY BUSHING	
SEC 3 TWP 18S RGE 11W		Elevation	
		K.B. 1809	
		D.F. 1807	
		G.L. 1799	
1882' FSL & 1461' FWL			
Date		12/1/21	
Run Number		ONE	
Depth Driller		3410	
Depth Logger		3410	
Bottom Logged Interval		3386	
Top Log Interval		2650	
Casing Driller		8 5/8" @ 361	
Casing Logger		361	
Bit Size		7 7/8	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.2/60	
pH / Fluid Loss		9.5/8.8	
Source of Sample		FLOWLINE	
Rm @ Meas. Temp		.70 @ 65F	
Rmf @ Meas. Temp		.52 @ 65F	
Rmc @ Meas. Temp		.84 @ 65F	
Source of Rmf / Rmc		MEASUREMENT	
Rm @ BHT		.40 @ 111F	
Time Circulation Stopped		2 HOURS	
Time Logger on Bottom		////	
Maximum Recorded Temperature		111F	
Equipment Number		3802	
Location		HAYS, KANSAS	
Recorded By		JASON CAPELLUCCI	
Witnessed By		JIM MUSGROVE	

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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

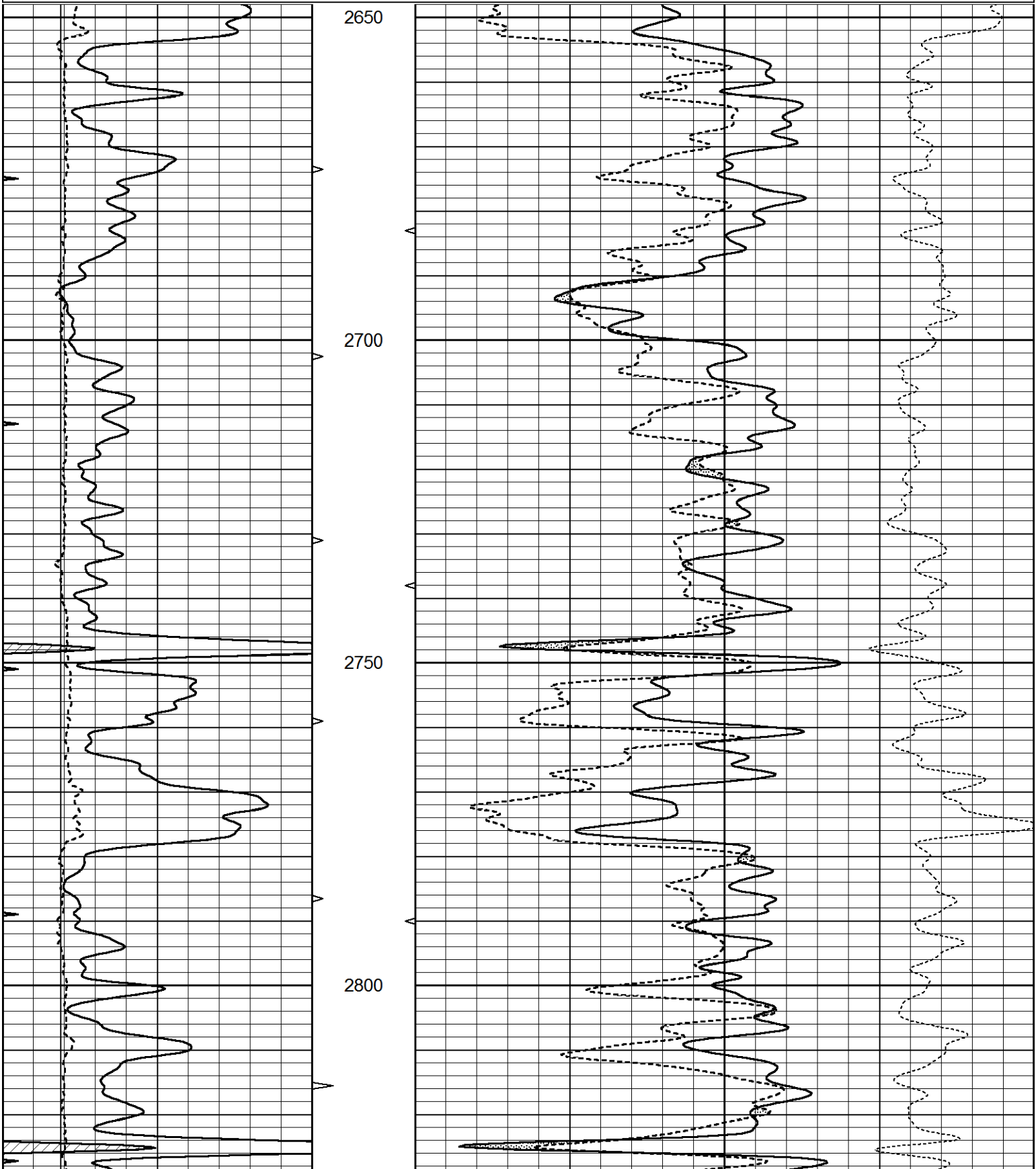
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
CLAFLIN, KS. - 3/4 SOUTH - EAST INTO

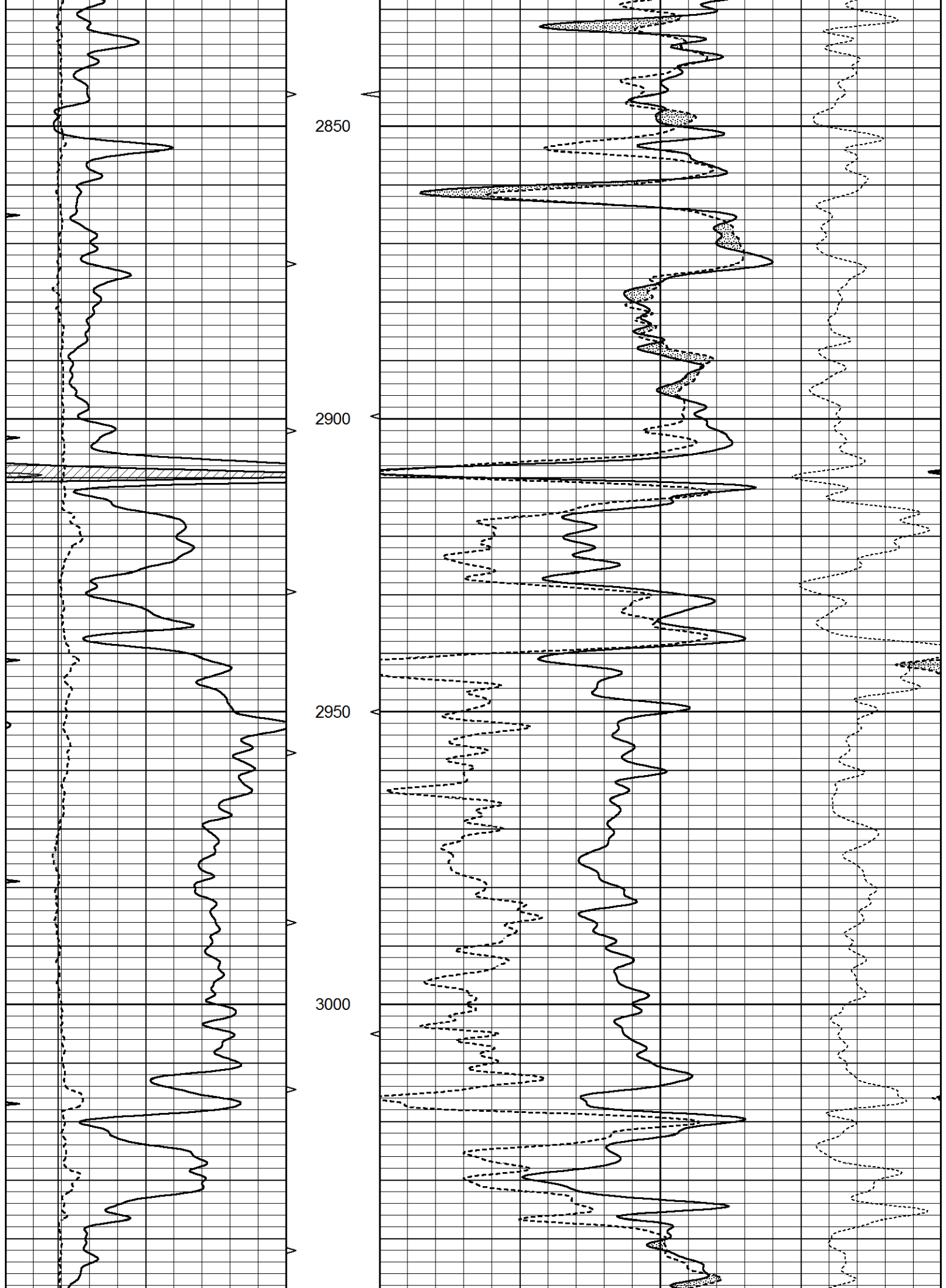


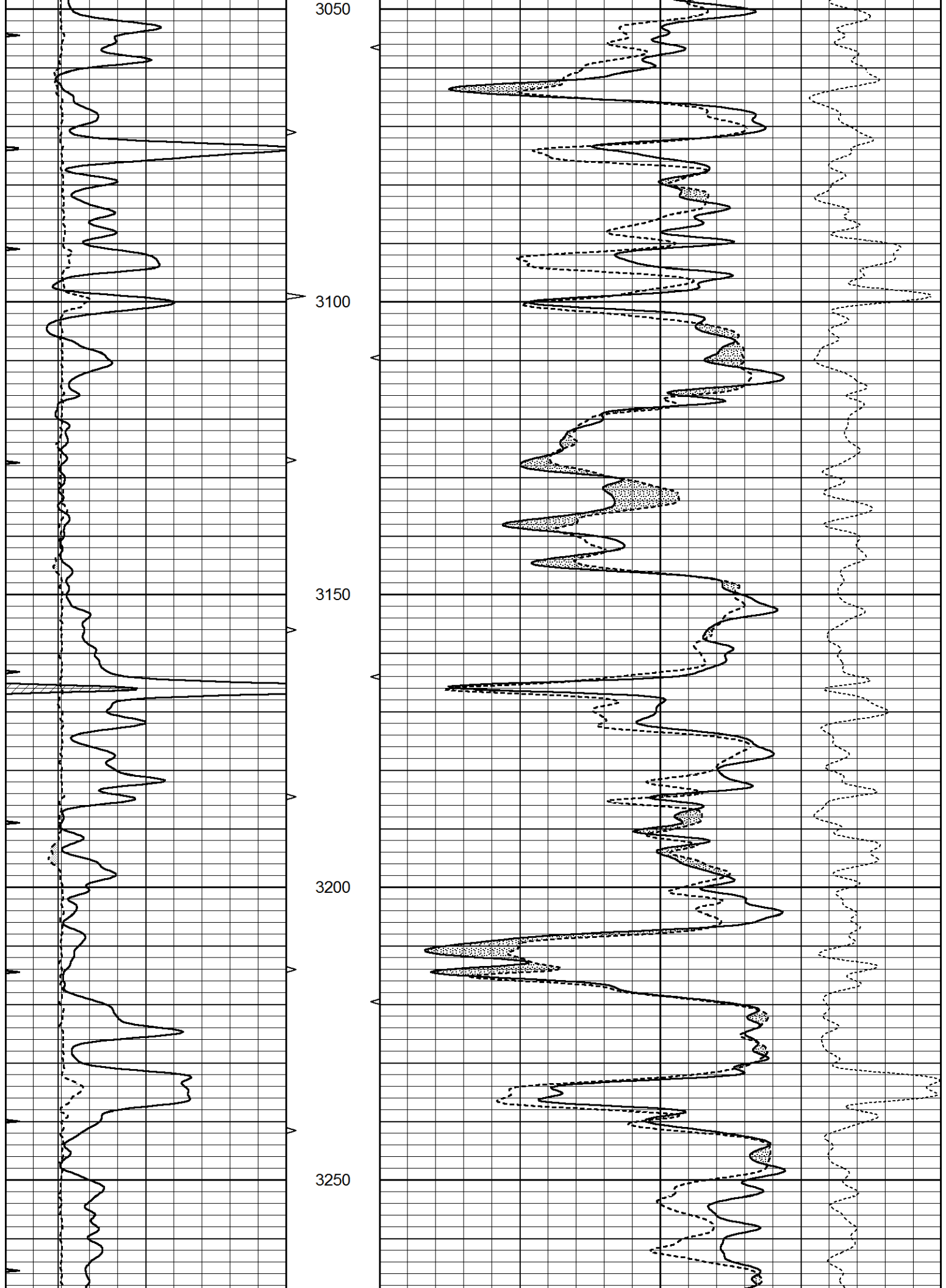
MAIN SECTION

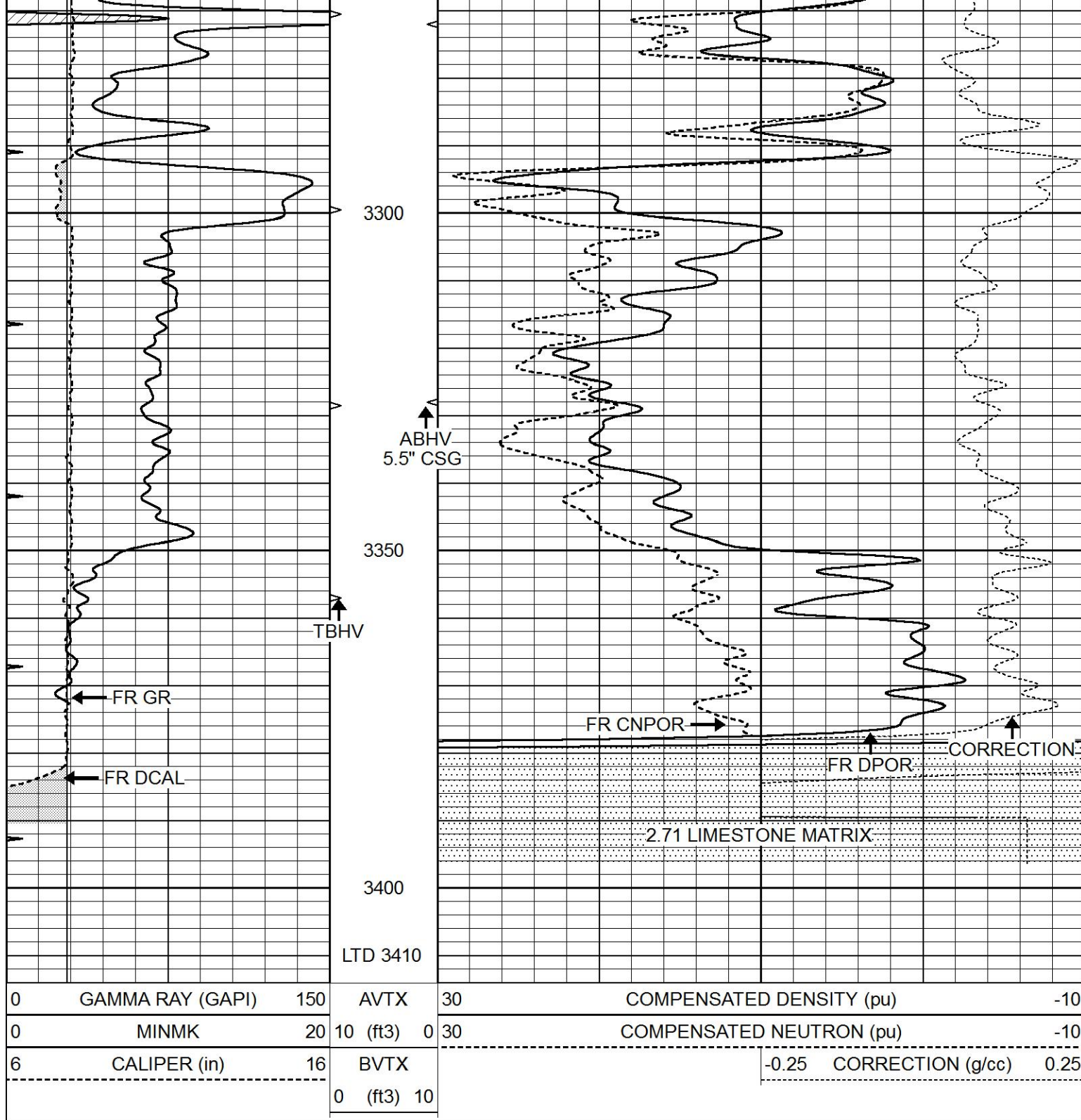
Database File	6056ddn.db
Dataset Pathname	pass5.1
Presentation Format	_den_neu
Dataset Creation	Wed Dec 01 11:39:47 2021
Charted by	Depth in Feet scaled 1:240

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			





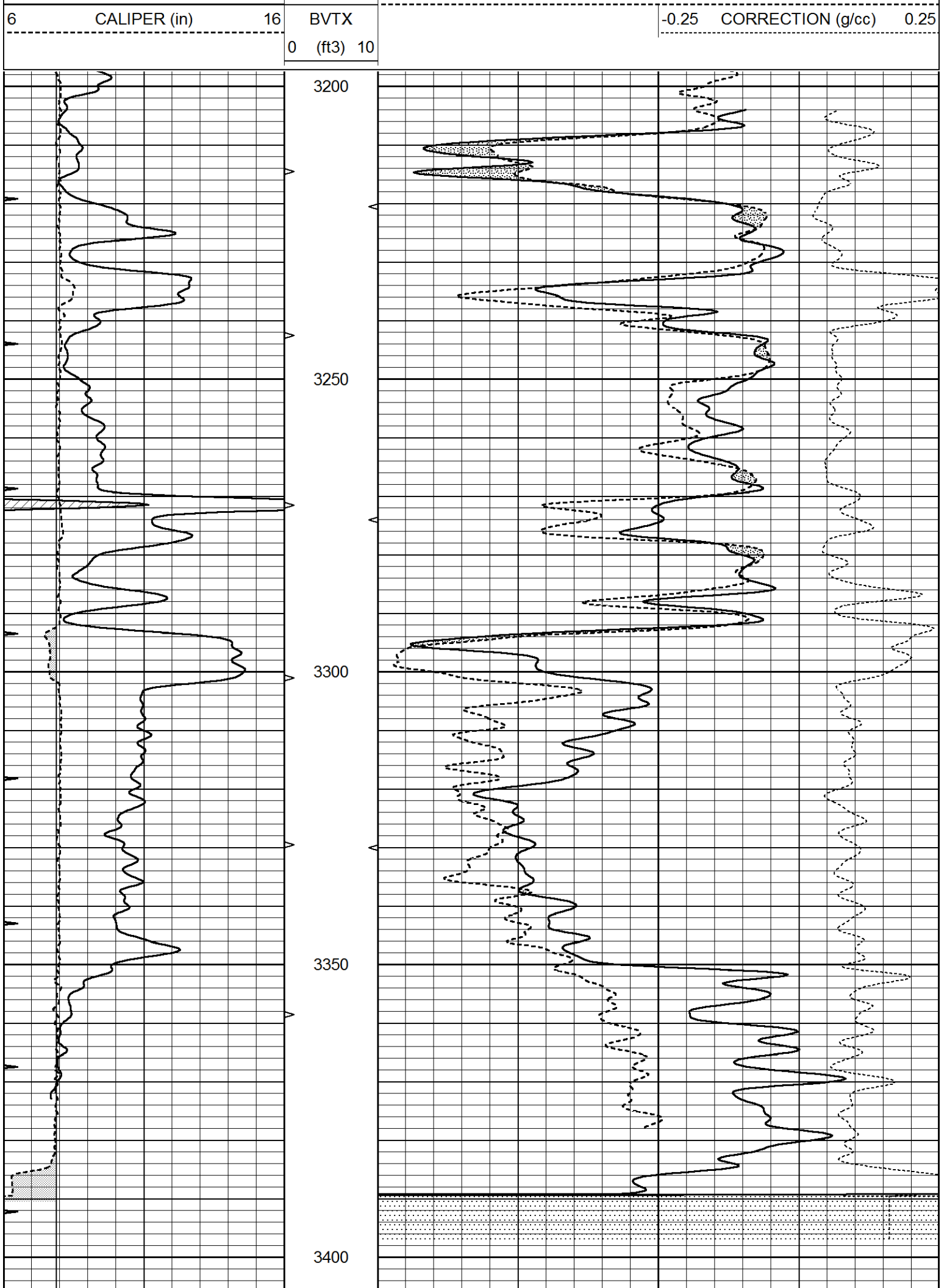




REPEAT SECTION

Database File 6056ddn.db
Dataset Pathname pass4.1
Presentation Format _den_neu
Dataset Creation Wed Dec 01 11:38:37 2021
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



Calibration Report								
Database File	6056ddn.db							
Dataset Pathname	pass4.1							
Dataset Creation	Wed Dec 01 11:38:37 2021							
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		
Litho Density Calibration Report								
Serial: 140704								
Model: V4_10P								
Source Number: 74GBq-19								

Master Calibration			Performed: Mon Dec 07 12:12:14 2020	
	Background	Aluminum	Magnesium	
Window 1	557.73	5525.14	24361.20	cps

Window 2	47.08	1245.09	5901.17	cps	
Window 4	239.06	1250.70	5456.76	cps	
Window 5	564.08	8300.56	16134.07	cps	
Window 6	44.21	1356.78	2705.40	cps	
Window 8	267.87	2686.97	5150.30	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	: -1.8719	SS Alpha:	: -0.8000	LS CPE:	: 1.1424
LS Beta:	: 135562.6841	SS Beta:	: 20128.7209	SS CPE:	: 1.5489

Before Survey Background Counts Verification			Performed: Wed Dec 31 18:00:00 1969		
Window 1	0.00	cps			
Window 2	0.00	cps			
Window 4	0.00	cps			
Window 5	0.00	cps			
Window 6	0.00	cps			
Window 8	0.00	cps			

After Survey Background Counts Verification			Performed: Wed Dec 31 18:00:00 1969		
Window 1	0.00	cps			
Window 2	0.00	cps			
Window 4	0.00	cps			
Window 5	0.00	cps			
Window 6	0.00	cps			
Window 8	0.00	cps			

Lithodensity Caliper Calibration			Performed: Mon Dec 07 12:12:14 2020		
Results	Readings	References (in)			
Low	High	Low	High	Gain	Offset
5852.8	8972.7	8.0	14.0	0.0	-3.4

Before Survey Caliper Verification			Performed:		
	Reference	Reading			
Caliper (in)	_____	_____			

After Survey Caliper Verification			Performed:		
	Reference	Reading			
Caliper (in)	_____	_____			

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:	Tue Jan 19 17:50:08 2021		
	Calibrator Value:	1.0	GAPI	
	Background Reading:	0.0	cps	
	Calibrator Reading:	1.0	cps	
	Sensitivity:	0.5300	GAPI/cps	