



COMPENSATED DENSITY / NEUTRON LOG

Company	MUSTANG ENERGY CORP.	Company	MUSTANG ENERGY CORPORATION
Well	WARREN #2-2	Well	WARREN #2-2
Field	WILDCAT	Field	WILDCAT
County	ELLIS	County	ELLIS
State	KANSAS	State	KANSAS
Location:	API # : 15-051-27022-0000	Other Services DILMEL	
Permanent Datum	GROUND LEVEL	Elevation	2225
Log Measured From	KELLY BUSHING 8' A.G.L.	K.B. 2233 D.F. 2231 G.L. 2225	
Drilling Measured From	KELLY BUSHING		
Date	3/11/22		
Run Number	ONE		
Depth Driller	3900		
Depth Logger	3900		
Bottom Logged Interval	3876		
Top Log Interval	3200		
Casing Driller	8 5/8"@223'		
Casing Logger	223		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4.000 PPM	
Density / Viscosity	9.2/48		
pH / Fluid Loss	10.0/9.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.950@65F		
Rmf @ Meas. Temp	.713@65F		
Rmc @ Meas. Temp	1.14@65F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.537@115F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	5.30 A.M.		
Maximum Recorded Temperature	115F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	CAMERON BRIN		

<<< Fold Here >>>

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.

15-051-27022-0000

Comments

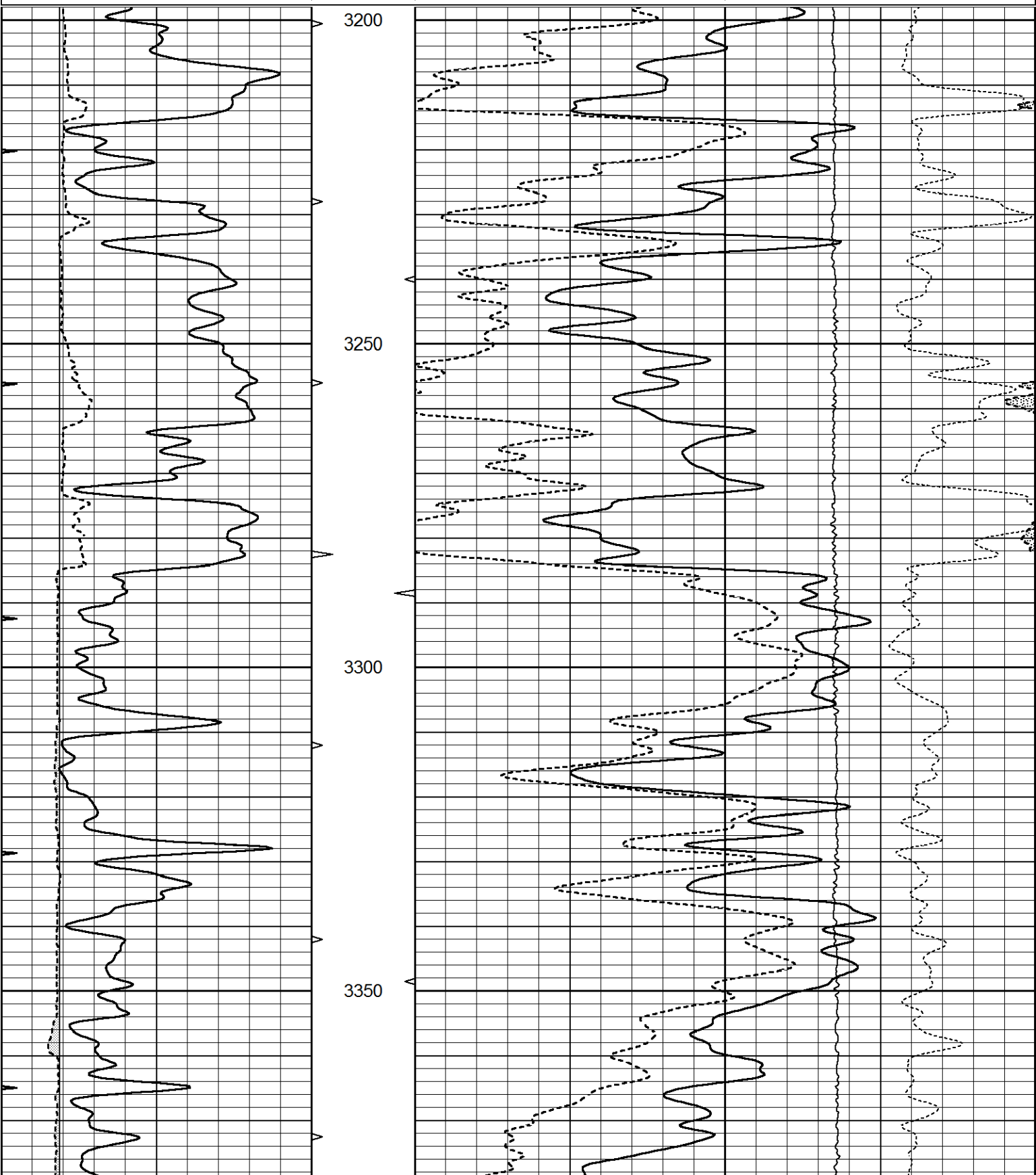
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
ELLIS, KS., N. TO "BUCKEYE RD.", 2E. TO "RD. 150", 1 3/4 N., W. INTO 1 1/2

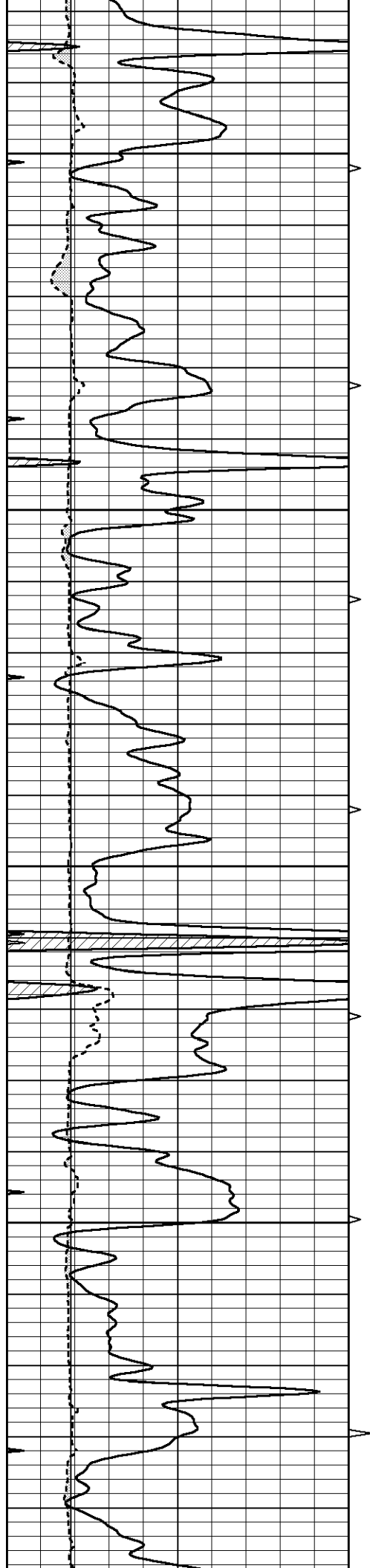


MAIN SECTION

Database File	6261ddn.db
Dataset Pathname	pass3.1M
Presentation Format	den_neu
Dataset Creation	Fri Mar 11 06:39:21 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10	
6	DCAL (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10
0	MINMK	20	TBHV			-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10		0	LTEN (lb)	5000	



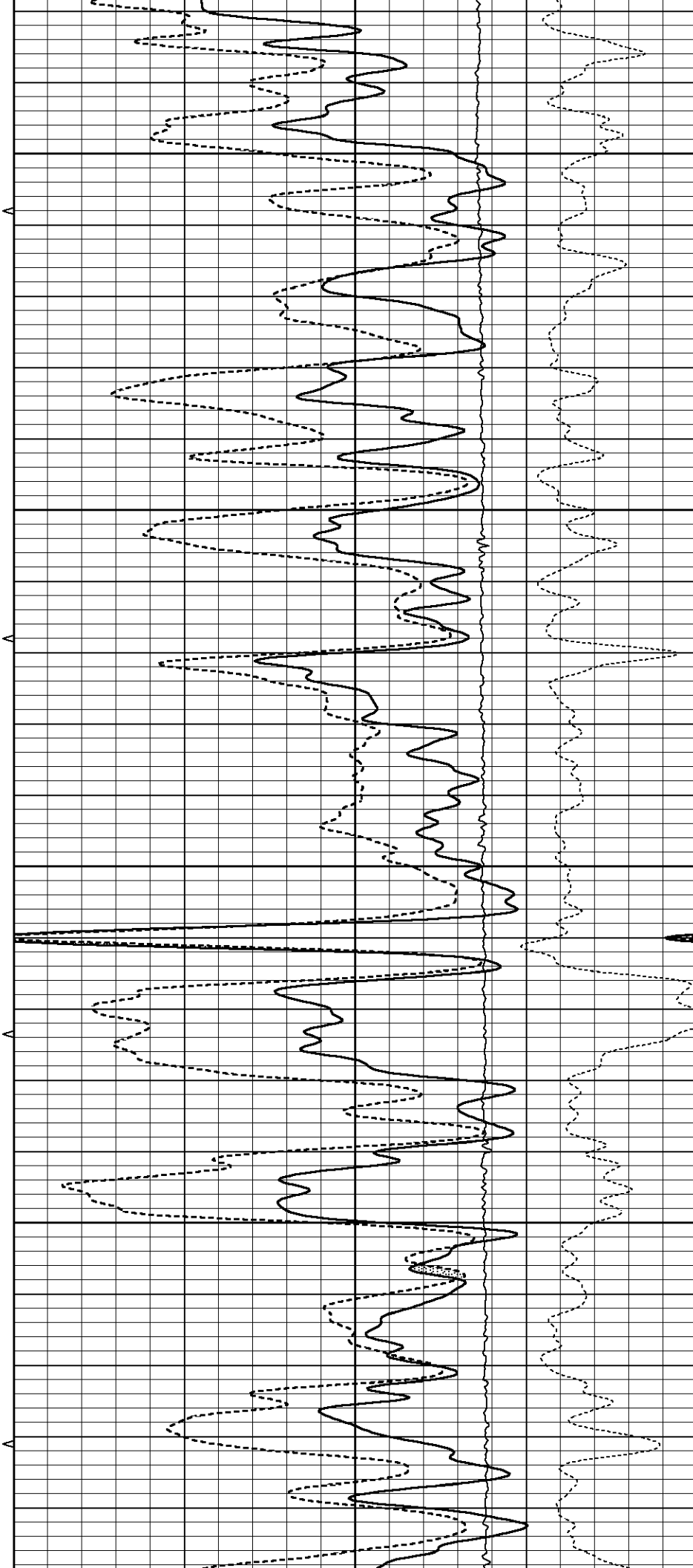


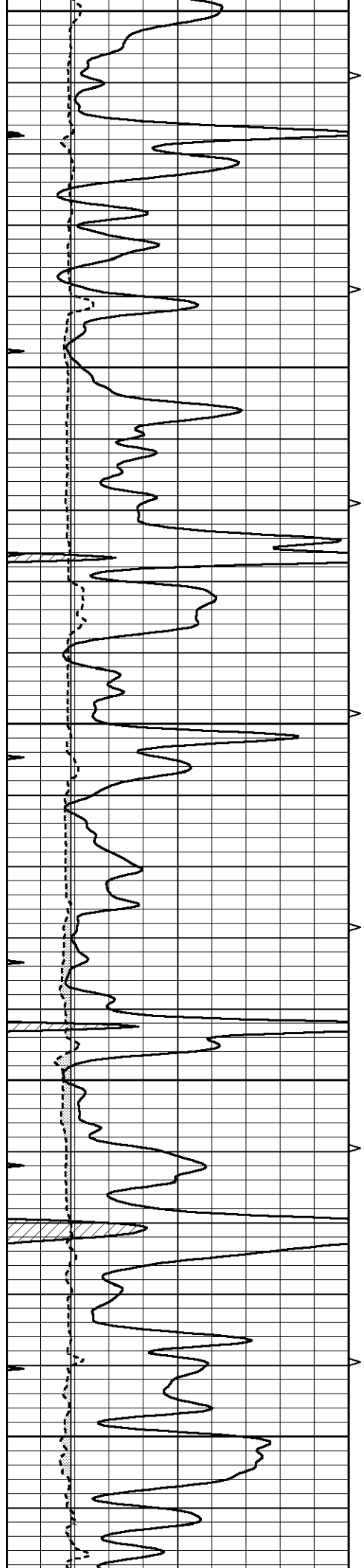
3400

3450

3500

3550





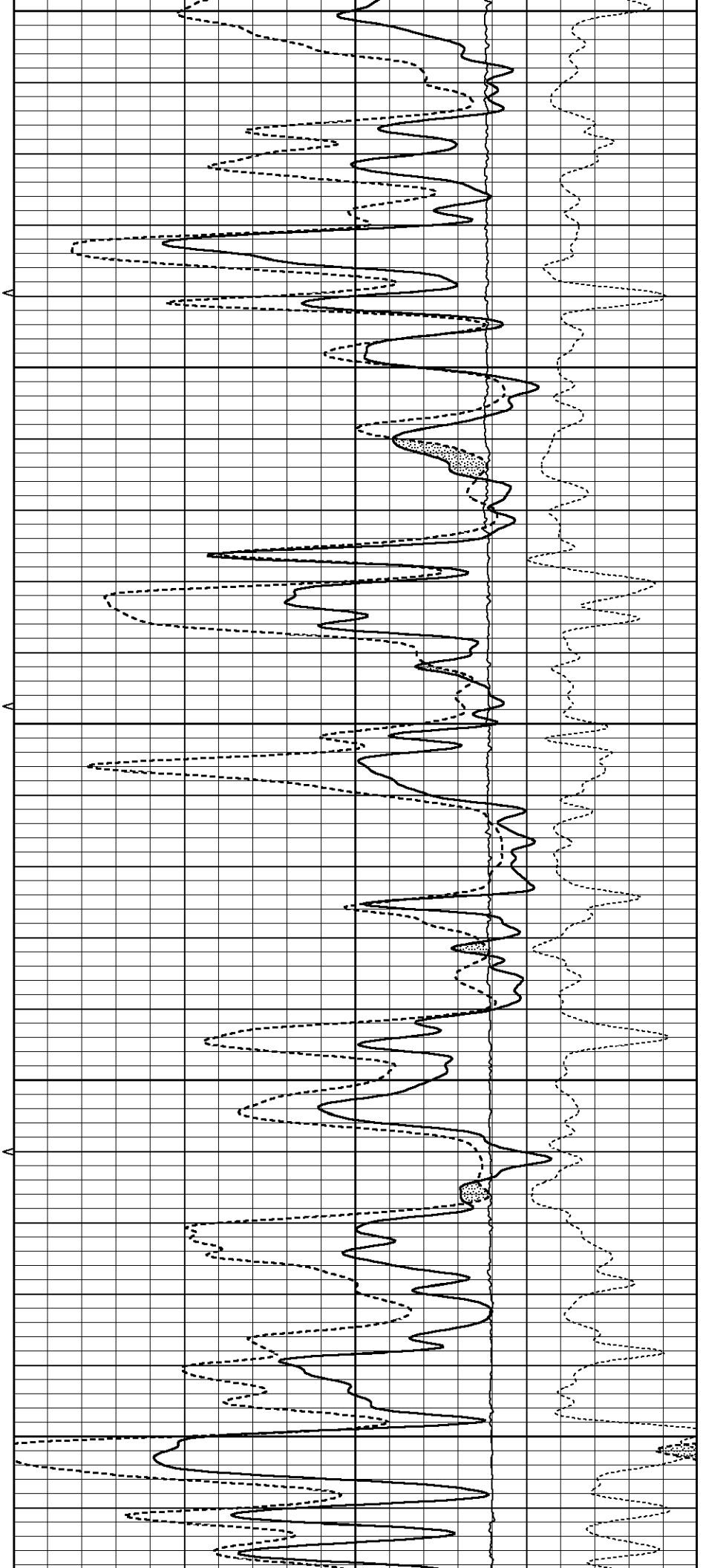
3600

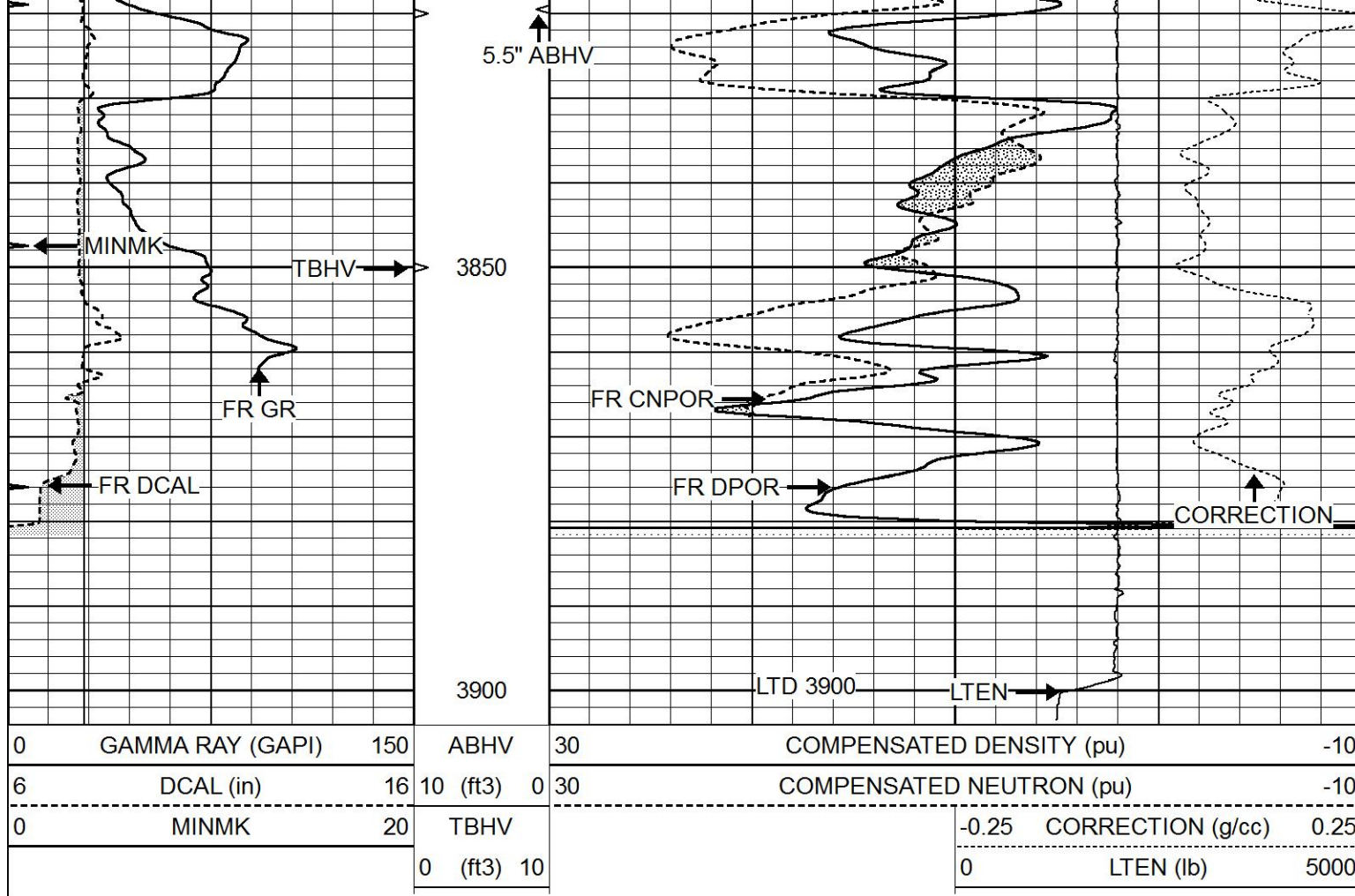
3650

3700

3750

3800

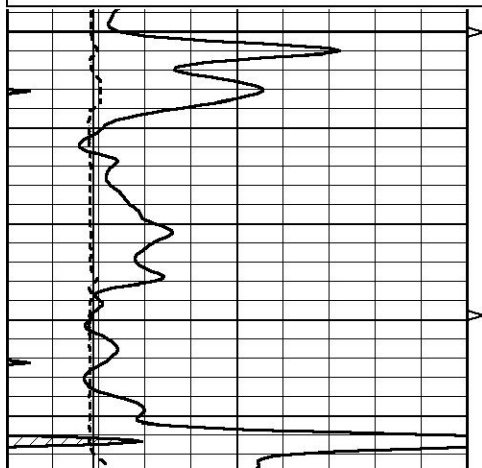




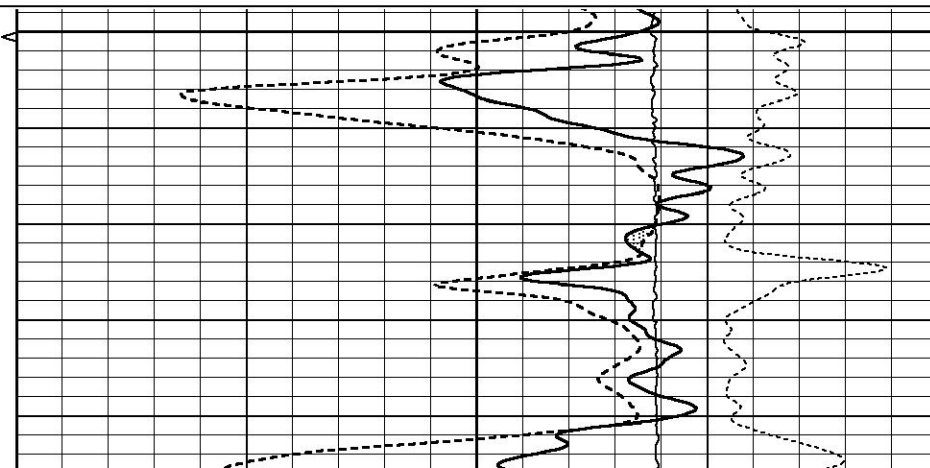
REPEAT SECTION

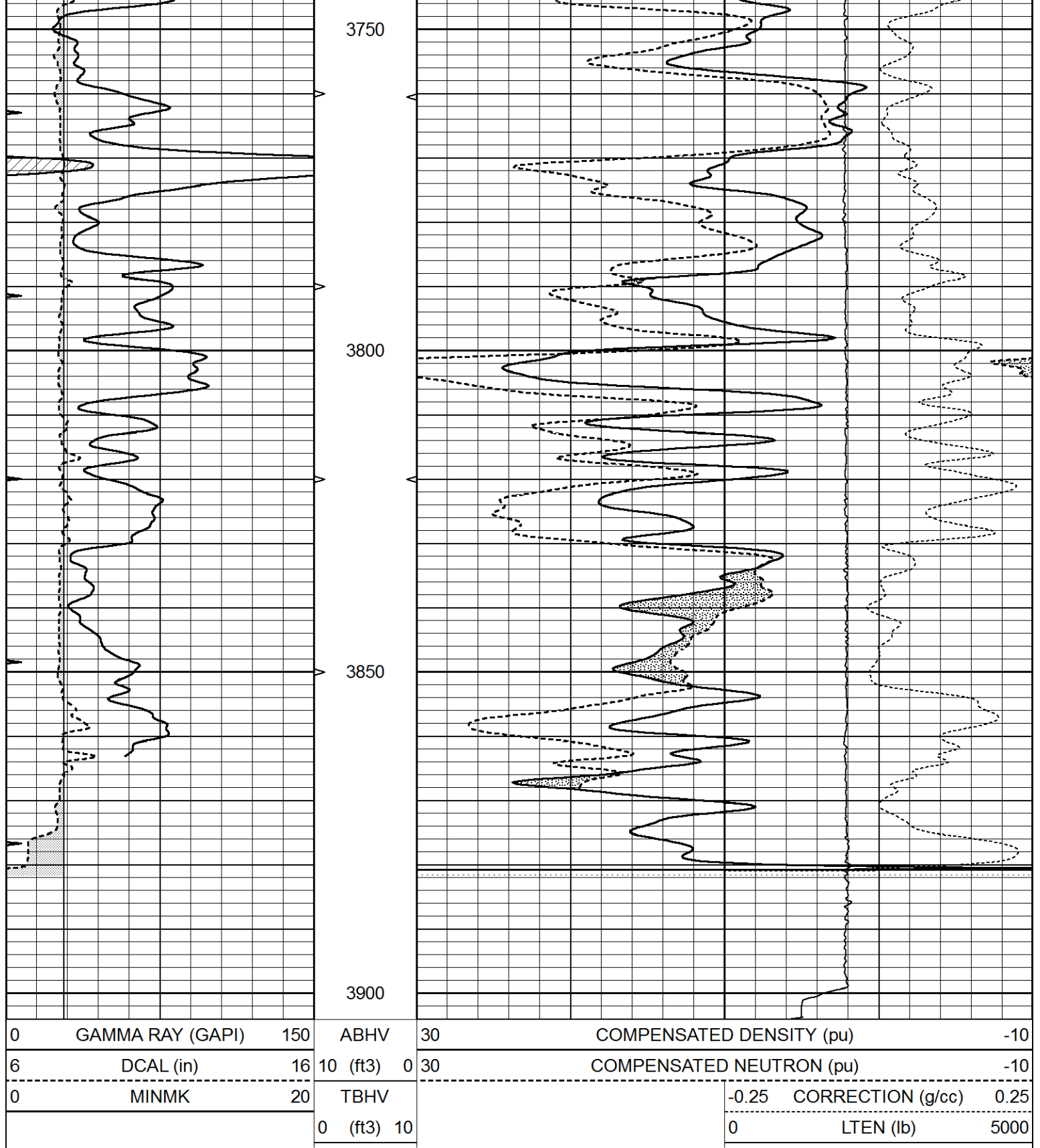
Database File 6261ddn.db
 Dataset Pathname pass2.1R
 Presentation Format den_neu
 Dataset Creation Fri Mar 11 06:04:54 2022
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	DCAL (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10		0 LTEN (lb)	5000



3700





Calibration Report

Database File 6261ddn.db
 Dataset Pathname pass3.1M
 Dataset Creation Fri Mar 11 06:39:21 2022

Dual Induction Calibration Report

Serial-Model:	PROBE9-DILG
Surface Cal Performed:	Fri Mar 11 05:30:58 2022
Downhole Cal Performed:	Wed Mar 11 11:31:19 2020
After Survey Verification Performed:	Wed Mar 11 11:21:22 2020

Surface Calibration								
Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	720.000	-15.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	720.000	-24.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration								
Readings			References			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

After Survey Verification								
Readings			Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report								
Serial: 004			Model: PRB					

Master Calibration					Performed Tue May 18 11:02:48 2021			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1187.1	10004.0	3142.5	2810.8			cps	
Window 2	1084.9	8556.6	2749.3	2502.4			cps	
Window 3	923.1	5129.8	1819.8	1719.3			cps	
Window 4	263.5	263.6	259.7	262.8			cps	
Long Space	0.0	7471.7	1664.4	1417.5			cps	
Short Space	1.5	984.9	645.6	561.2			cps	
Rho		1.7100	2.5900	0.0000			g/cc	
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 44.3	Rib Slope	: 0.976	Density/Spine Ratio			: 0.564	
Spine Angle	: 74.3	Spine Slope	: 3.555	Spine Intercept			: -15.6	

Before Survey Verification					Performed Wed Dec 31 18:00:00 1969			
Window 1	0.0	0.0	0.0	0.0			cps	
Window 2	0.0	0.0	0.0	0.0			cps	
Window 3	0.0	0.0	0.0	0.0			cps	
Window 4	0.0	0.0	0.0	0.0			cps	
Long Space	0.0	0.0	0.0	0.0			cps	
Short Space	0.0	0.0	0.0	0.0			cps	
Measured Rho		0.0000	0.0000	0.0000			g/cc	
Measured Correction		0.0000	0.0000	0.0000			g/cc	

Measured Pe			0.0000	0.0000	
After Survey Verification		Performed Wed Dec 31 18:00:00 1969			
Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	
Compensated Neutron Calibration Report					
		Serial Number:	070808PMC		
		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:		070558			
Tool Model:		OPEN_GR			
Performed:		Wed Mar 02 14:49:46 2022			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		0.2800	GAPI/cps		