



COMPENSATED
DENSITY/NEUTRON
LOG

Company	JASPAR COMPANY	Company	JASPAR COMPANY
Well	LIZA #2	Well	LIZA #2
Field	UNNAMED	Field	UNNAMED
County	ROOKS	County	ROOKS
State	KANSAS	State	KANSAS
Location:	API # : 15-163-24469-0000 2085' FNL & 1500' FEL NE - SE - SW - NE	Other Services DIL/MEL	
Permanent Datum	SEC 29 TWP 9S RGE 19W	Elevation	
Log Measured From	GROUND LEVEL Elevation	K.B. 2173.5	
Drilling Measured From	KELLY BUSHING 7' A.G.L KELLY BUSHING	D.F. 2171.5	
		G.L. 2166.5	
Date	11/10/22		
Run Number	ONE		
Depth Driller	3730		
Depth Logger	3732		
Bottom Logged Interval	3708		
Top Log Interval	3000		
Casing Driller	8 5/8" @ 263		
Casing Logger	263		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4.000 PPM	
Density / Viscosity	9/56		
pH / Fluid Loss	9/8.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.30 @ 68F		
Rmf @ Meas. Temp	.975 @ 68F		
Rmc @ Meas. Temp	1.56 @ 68F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.775 @ 114F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	3.00 A.M.		
Maximum Recorded Temperature	114F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	JEFF LAWLER		

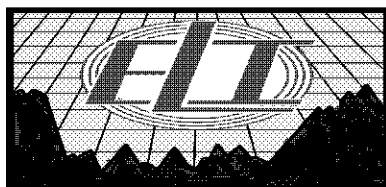
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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

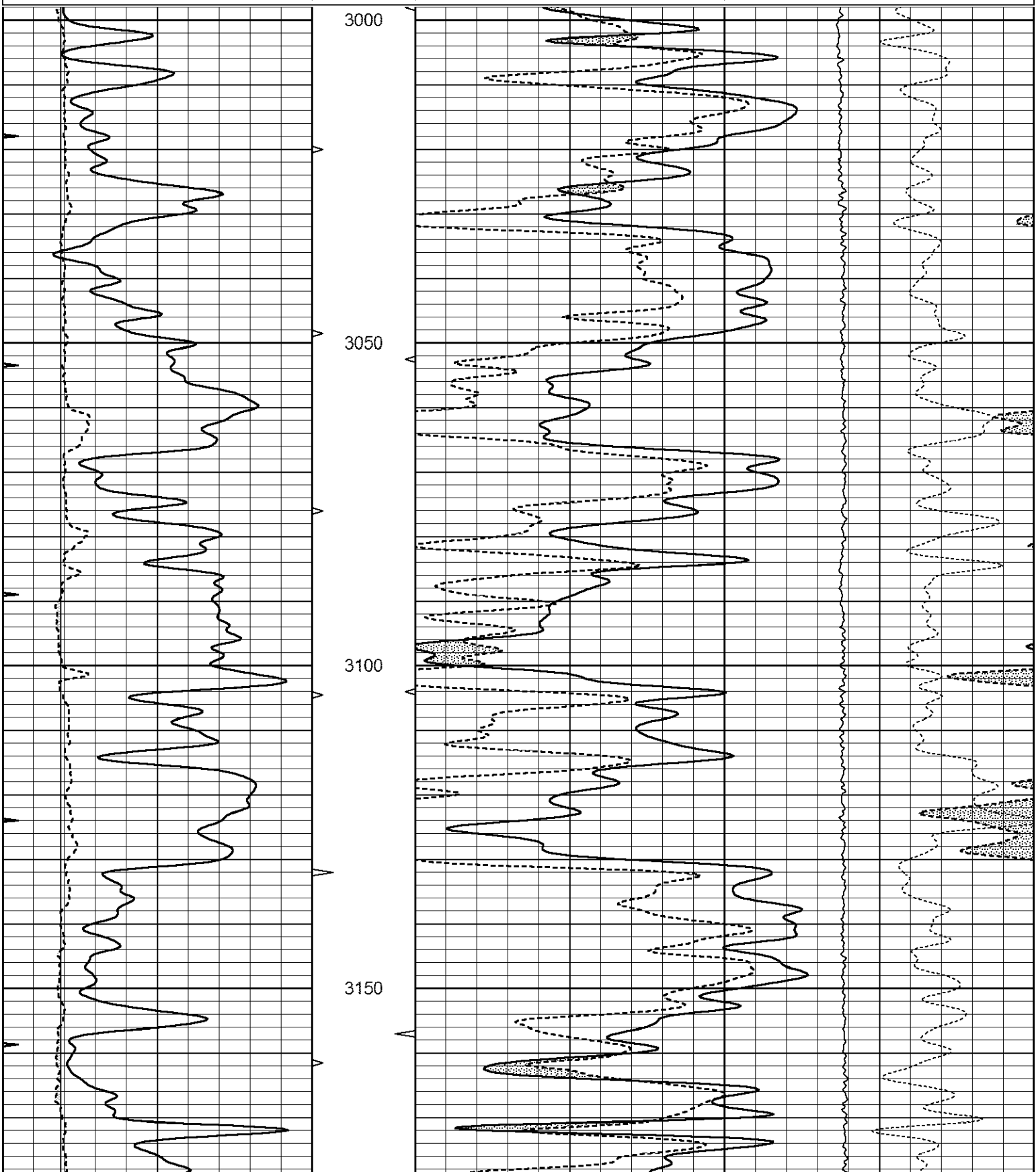
DIRECTIONS:
FROM ZURICH, KANSAS ONE MILE WEST TO NINE ROAD, 3/4 MILE NORTH, WEST INTO

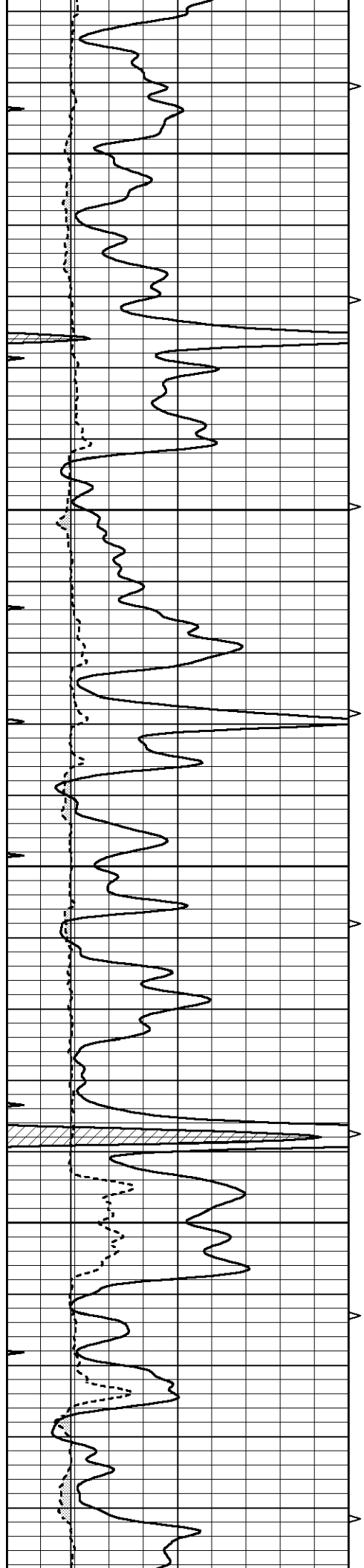


MAIN SECTION

Database File	7248ddn.db
Dataset Pathname	pass3D
Presentation Format	_den_neu
Dataset Creation	Thu Nov 10 04:28:55 2022
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		0 LTEN (lb)	5000



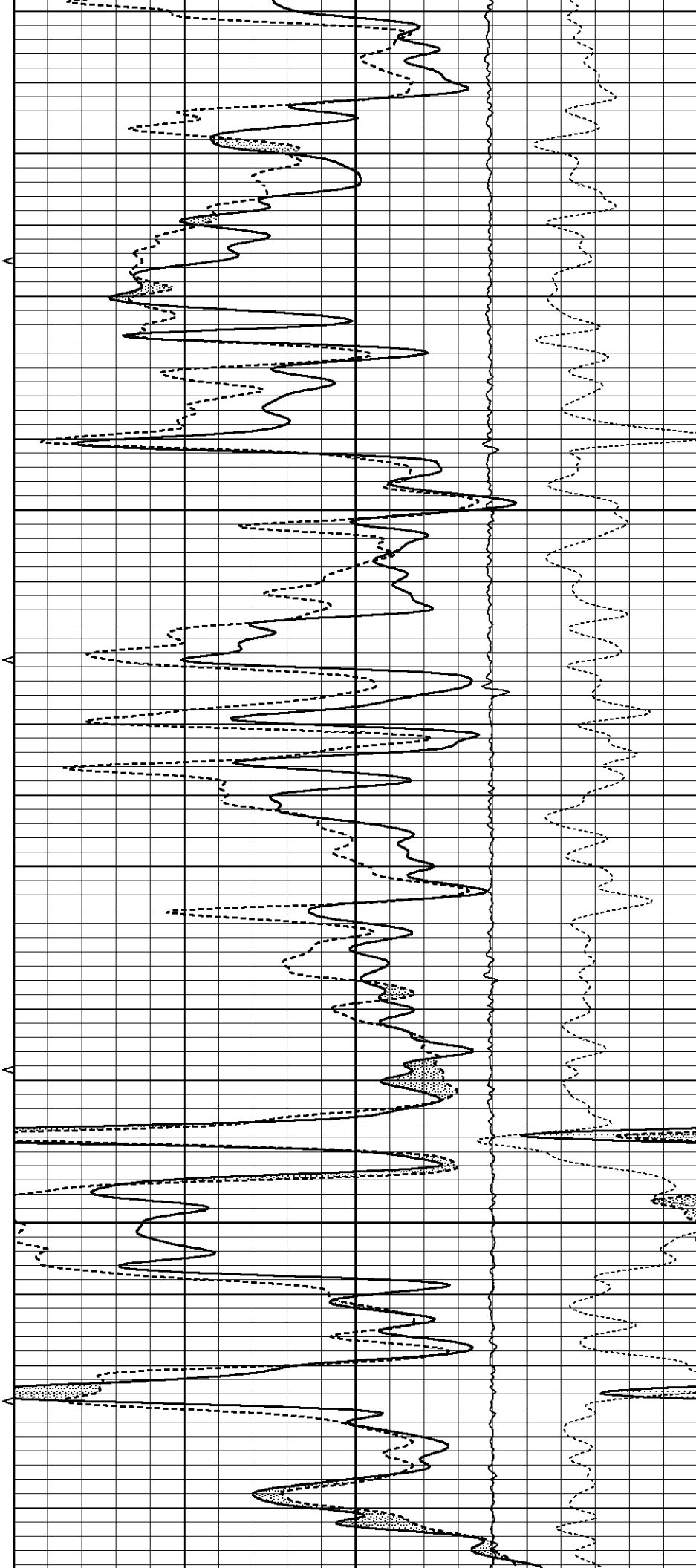


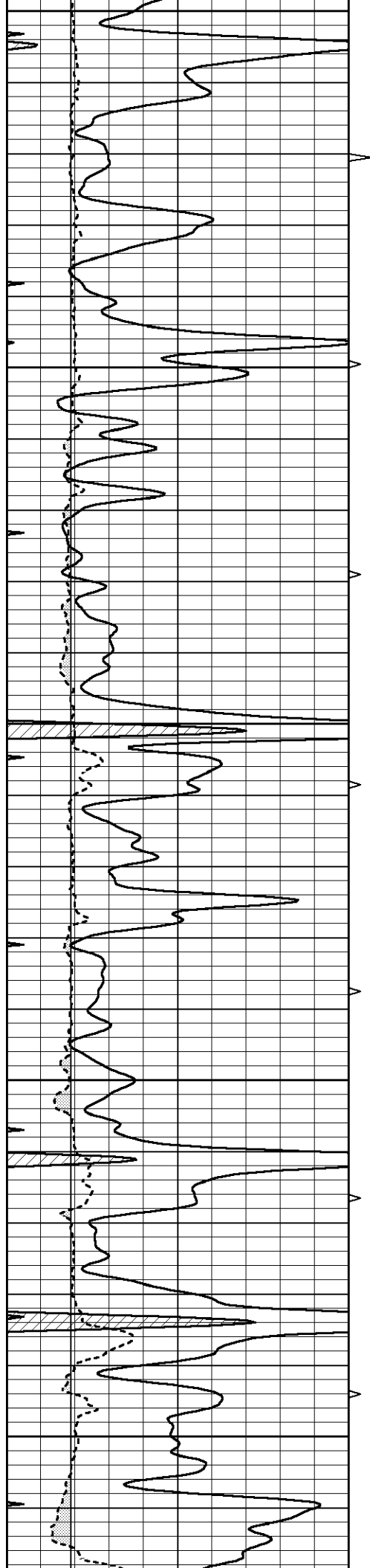
3200

3250

3300

3350





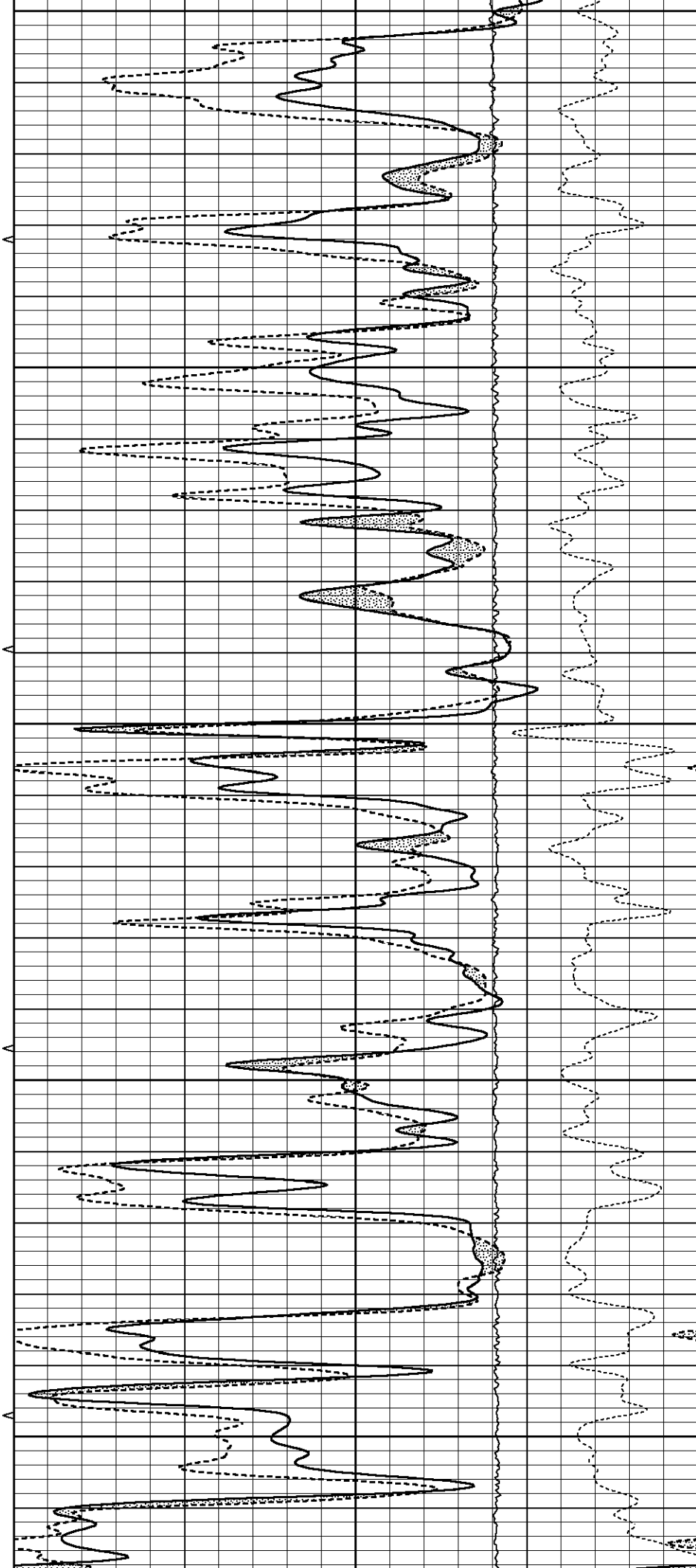
3400

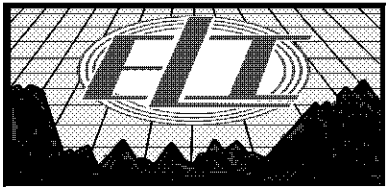
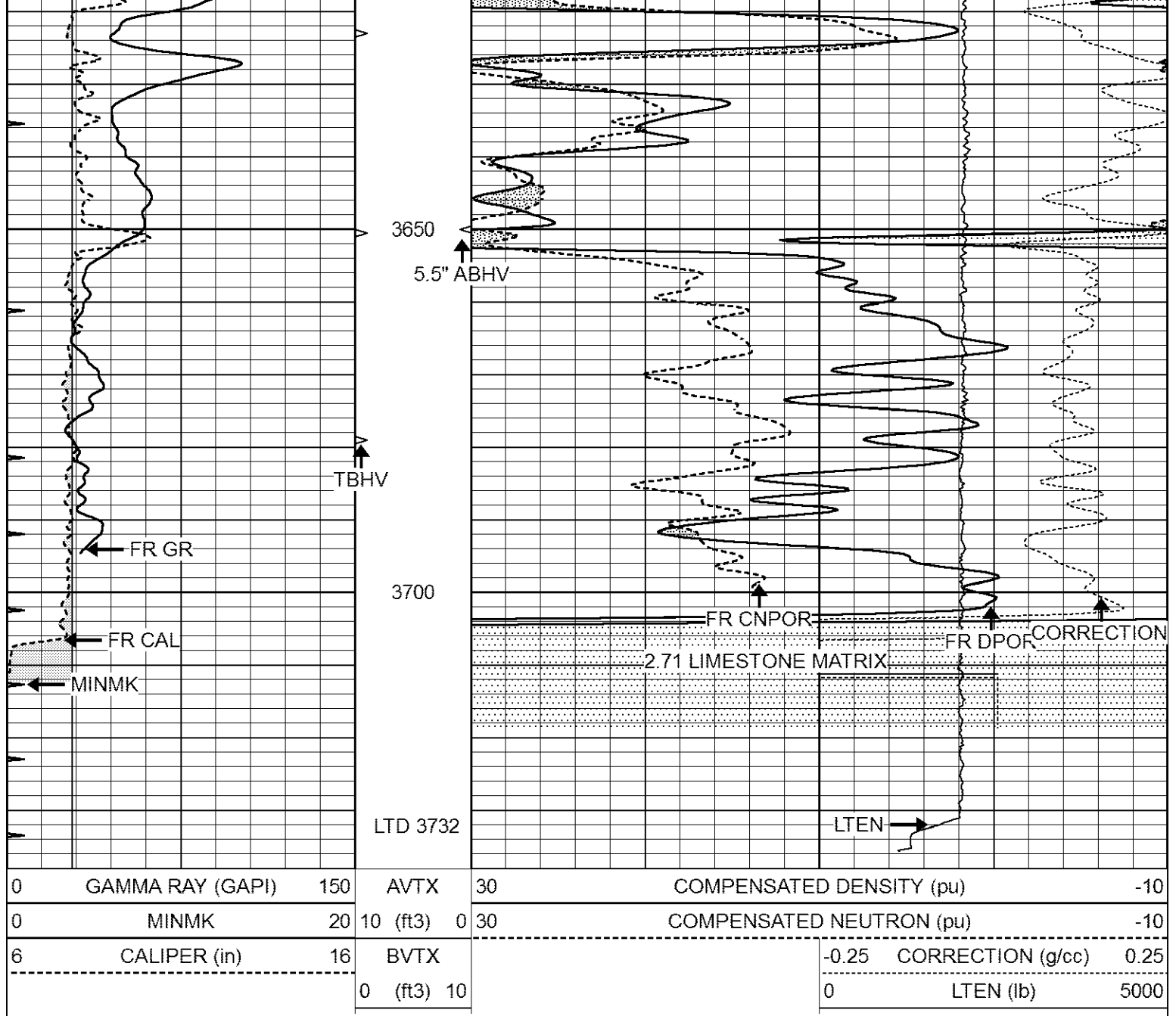
3450

3500

3550

3600

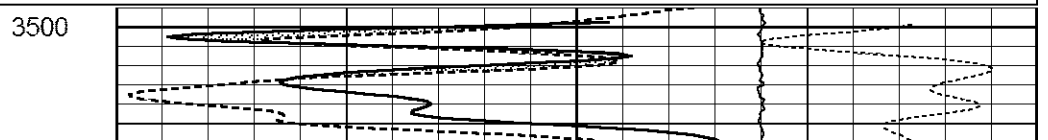
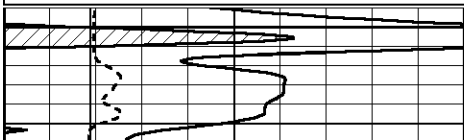


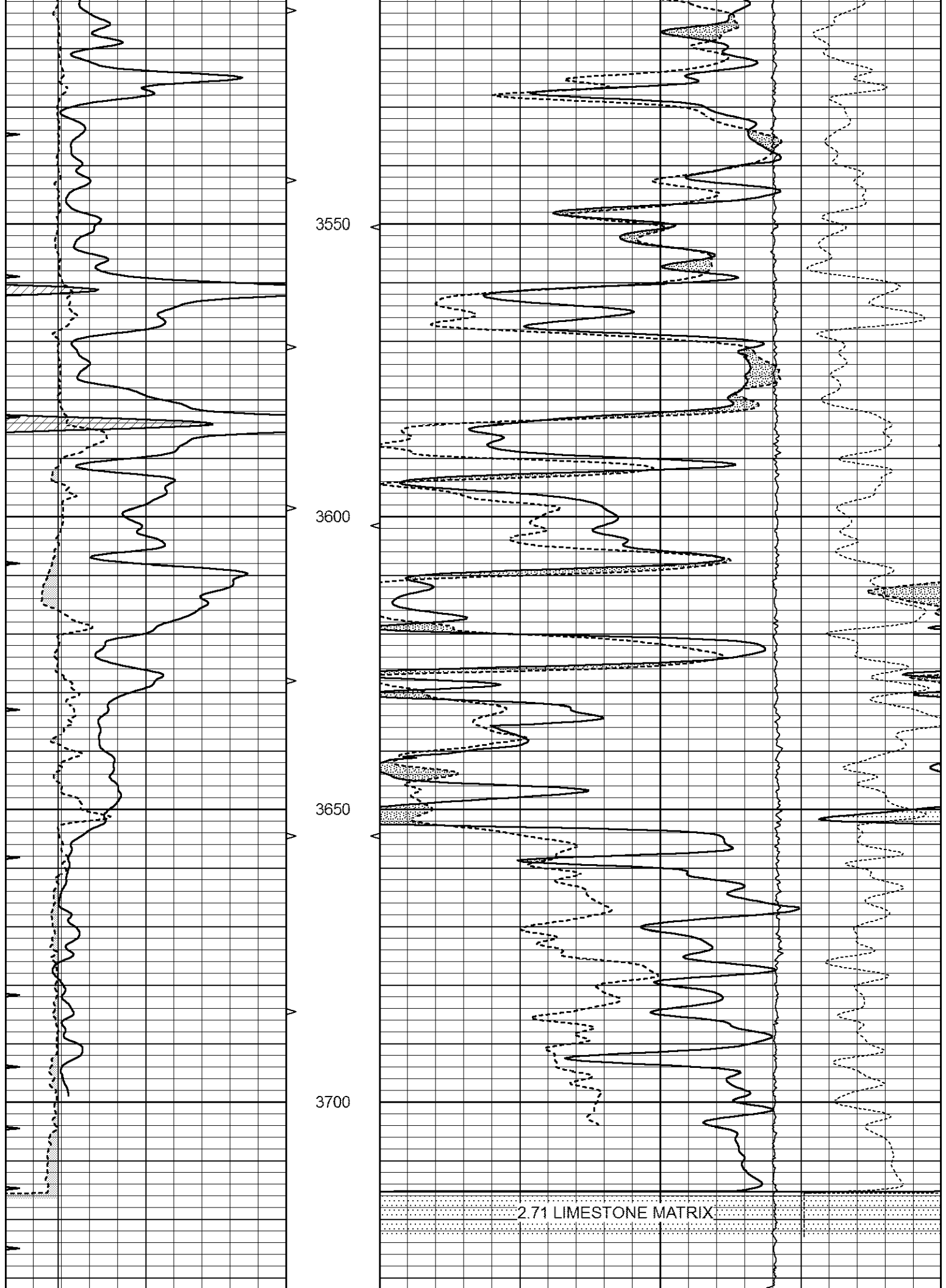


2.71 LIMESTONE REPEAT

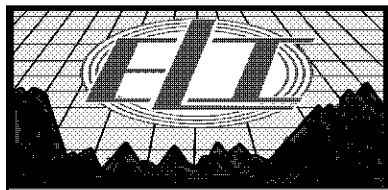
Database File 7248ddn.db
 Dataset Pathname pass2R
 Presentation Format _den_neu
 Dataset Creation Thu Nov 10 04:17:11 2022
 Charted by Depth in Feet scaled 1:240

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		0 LTEN (lb)	5000





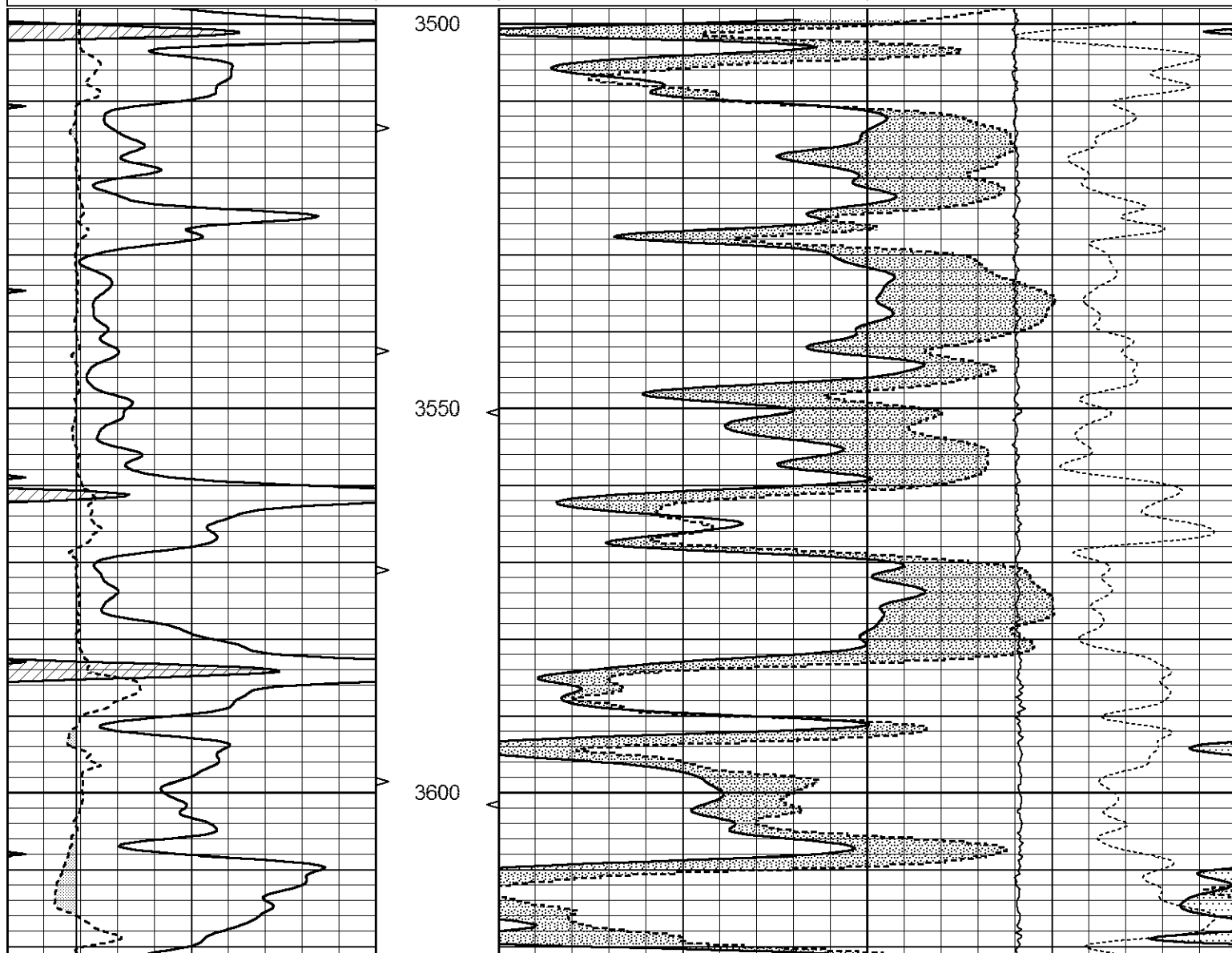
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0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10		0 LTEN (lb)	5000

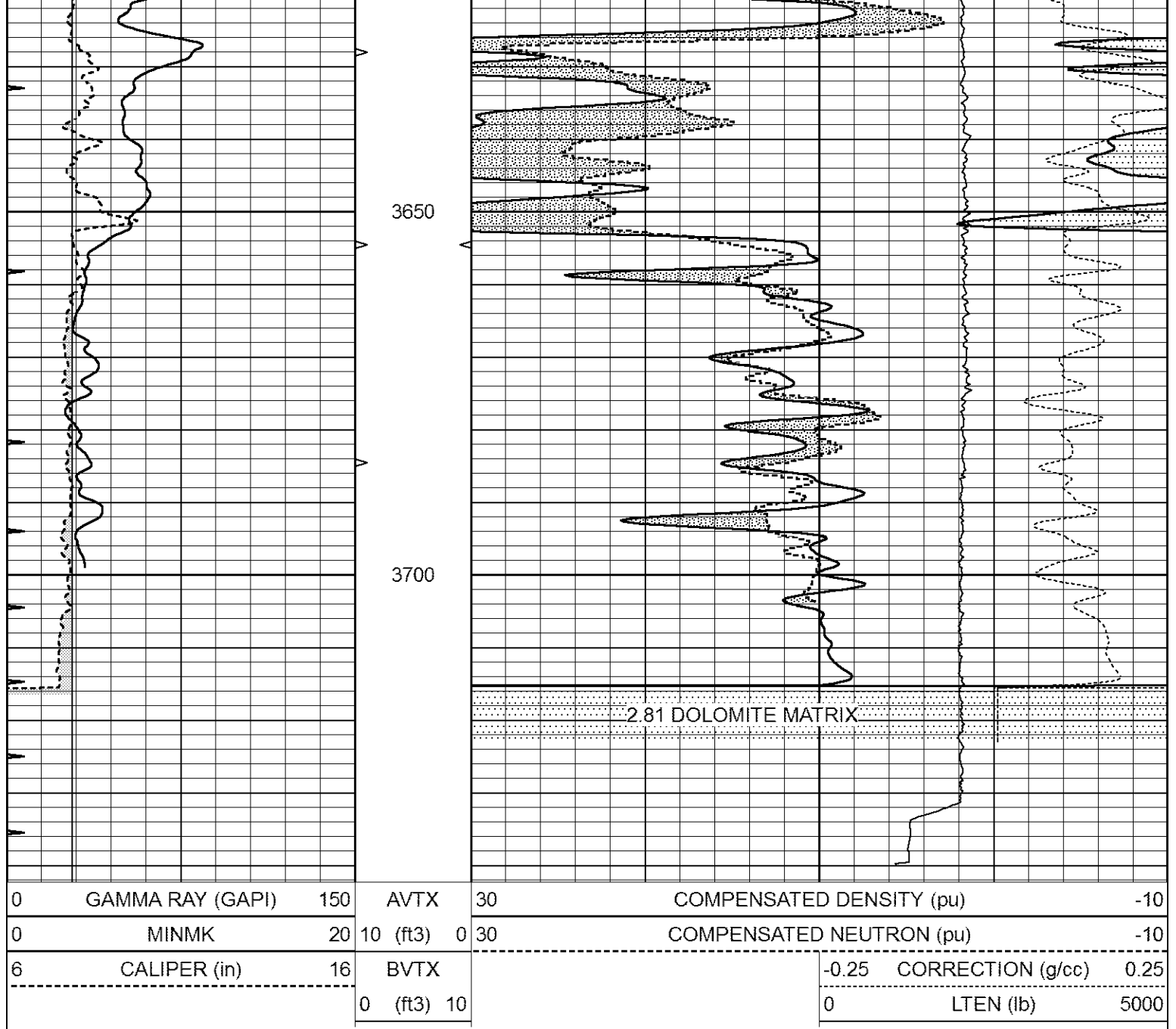


2.81 DOLOMITE REPEAT

Database File 7248ddn.db
 Dataset Pathname pass2DOL
 Presentation Format _den_neu
 Dataset Creation Thu Nov 10 07:47:22 2022
 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		0 LTEN (lb)	5000





Calibration Report								
Database File	7248ddn.db							
Dataset Pathname	pass3D							
Dataset Creation	Thu Nov 10 04:28:55 2022							
Dual Induction Calibration Report								
Serial-Model:			FW1410-55-Probe					
Surface Cal Performed:			Thu Jun 30 01:48:00 2022					
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	650.000	-3.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	-10.500
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: Tue Oct 25 14:02:07 2022					
	Background	Aluminum	Magnesium					
Window 1	501.98	5377.33	23235.87	cps				
Window 2	38.66	1167.13	5462.52	cps				
Window 4	219.95	1265.38	5296.65	cps				
Window 5	535.47	7345.58	14269.59	cps				
Window 6	42.48	1172.64	2113.12	cps				
Window 8	252.82	2368.74	4743.90	cps				
Bulk Density	-	2.6020	1.6830	g/cc				
Pe	-	3.0000	2.5070	b/e				
LS Alpha:	: -1.8018	SS Alpha:	: -0.8503	LS CPE:	: 1.2527			
LS Beta:	: 116585.8005	SS Beta:	: 19984.2984	SS CPE:	: 1.5732			
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						

Window 3

0.000 cps

Lithodensity Caliper Calibration

Performed: Tue Oct 25 14:02:07 2022

Results	Readings	References (in)			
Low	High	Low	High	Gain	Offset
9378.6	12243.0	8.0	14.0	0.0	-11.8

Before Survey Caliper Verification

Performed:

	Reference	Reading
Caliper (in)		

After Survey Caliper Verification

Performed:

	Reference	Reading
Caliper (in)		

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:	Thu May 26 08:56:46 2022
Calibrator Value:	1.0 GAPI
Background Reading:	0.0 cps
Calibrator Reading:	1.0 cps
Sensitivity:	0.5500 GAPI/cps