



COMPENSATED
DENSITY/NEUTRON
LOG

Company	RUSSELL OIL, INC.	
Well	NUSS-DIETZ UNIT #1-33	
Field	NUSS	
County	RUSSELL	State KANSAS
Location:	API # : 15-167-24121-00-00 388' FNL & 264' FEL SE - NE - NE - NW	
Permanent Datum	GROUND LEVEL	Elevation 1895
Log Measured From	KELLY BUSHING 8' A.G.L	
Drilling Measured From	KELLY BUSHING	
SEC 33	TWP 15S	RGE 14W
Elevation		K.B. 1905 D.F. 1903 G.L. 1895
Date	6/8/22	
Run Number	ONE	
Depth Driller	3460	
Depth Logger	3462	
Bottom Logged Interval	3438	
Top Log Interval	2700	
Casing Driller	8 5/8" @ 903	
Casing Logger	903	
Bit Size	7 7/8	
Type Fluid in Hole	CHEMICAL MUD	
Density / Viscosity	9.4/55	
pH / Fluid Loss	10.0/6.4	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	.900@80F	
Rmf @ Meas. Temp	.675@80F	
Rmc @ Meas. Temp	1.08@80F	
Source of Rmf / Rmc	MEASUREMENT	
Rm @ BHT	.649@111F	
Time Circulation Stopped	2.5 HOURS	
Time Logger on Bottom	8:00 P.M.	
Maximum Recorded Temperature	111F	
Equipment Number	3802	
Location	HAYS, KANSAS	
Recorded By	COLE ROBEN	
Witnessed By	KITT NOAH	

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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

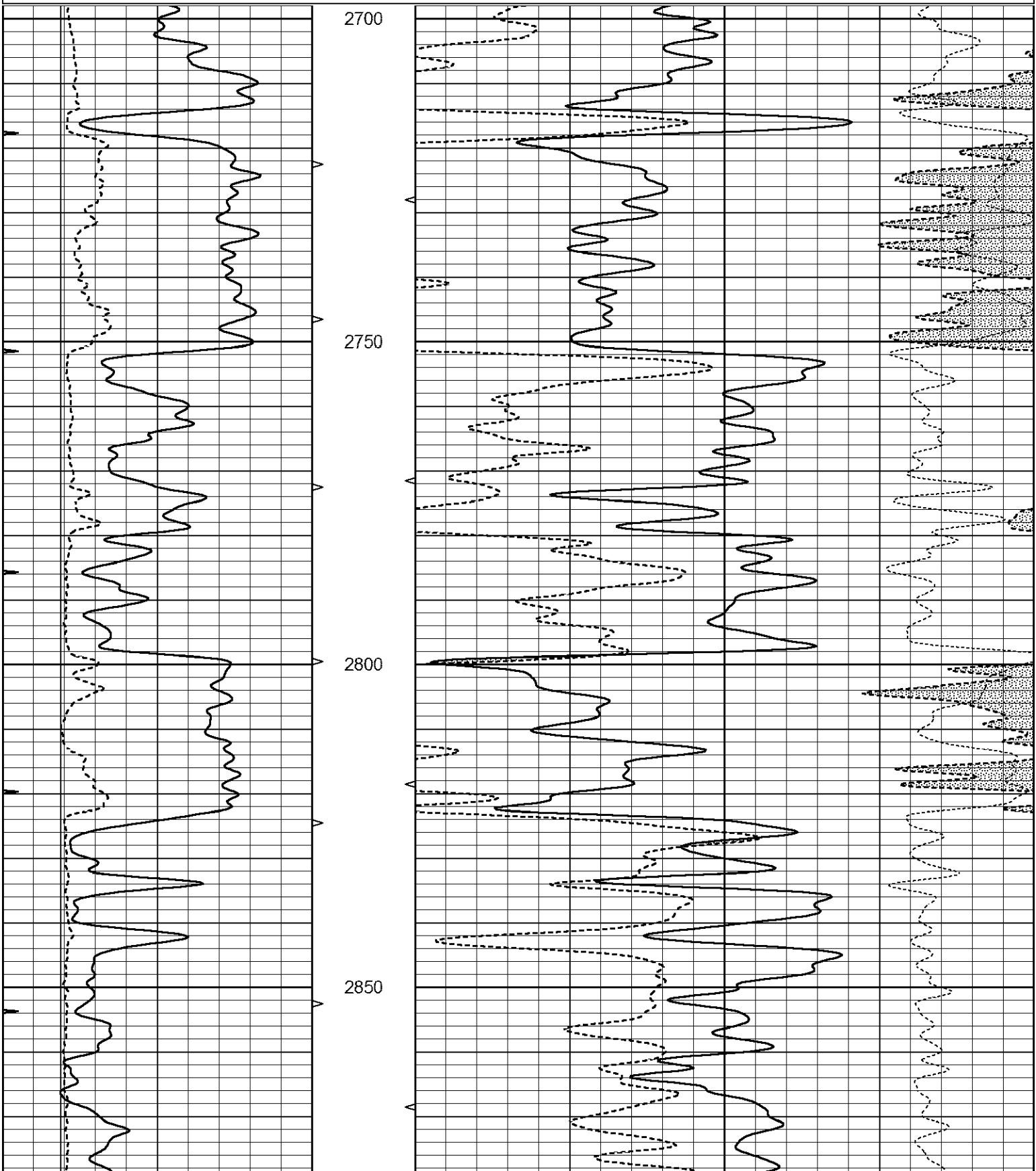
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
ONE MILE EAST OF MILBERGER, KS. ON MICHAELIS ROAD, SOUTH INTO

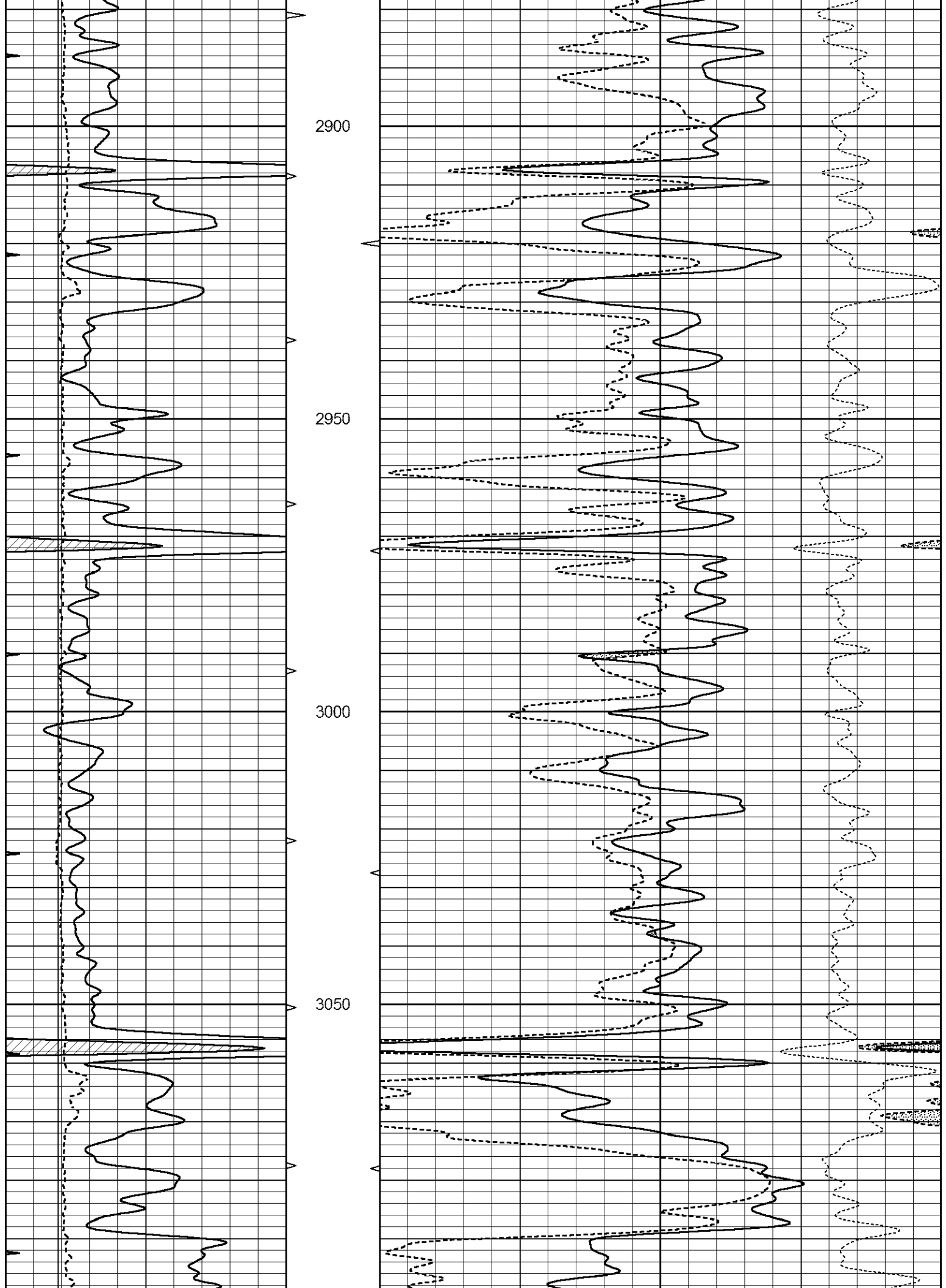


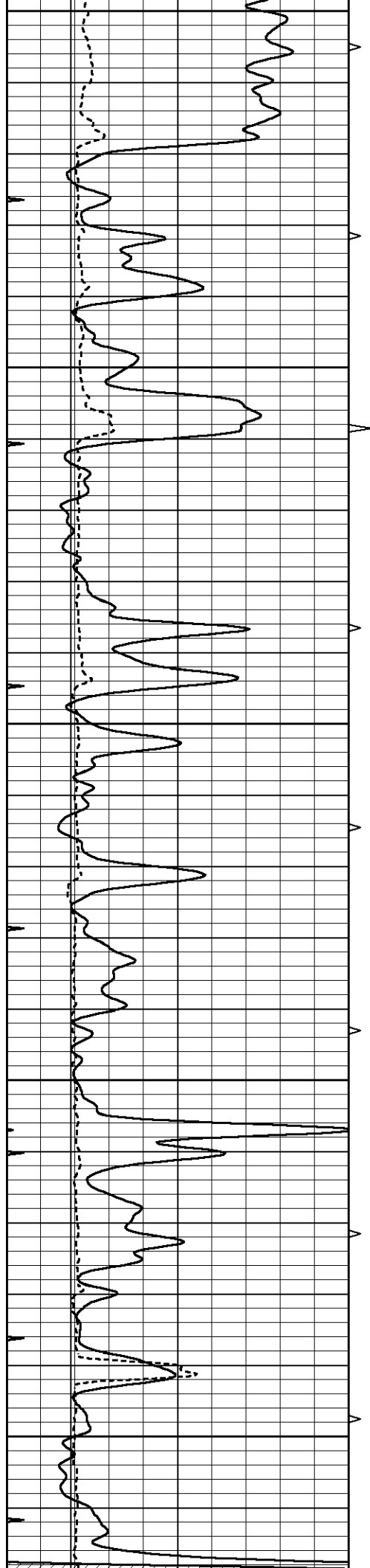
MAIN SECTION

Database File	6539ddn.db
Dataset Pathname	pass4.3M
Presentation Format	den_neu
Dataset Creation	Wed Jun 08 22:15:48 2022
Charted by	Depth in Feet scaled 1:240

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







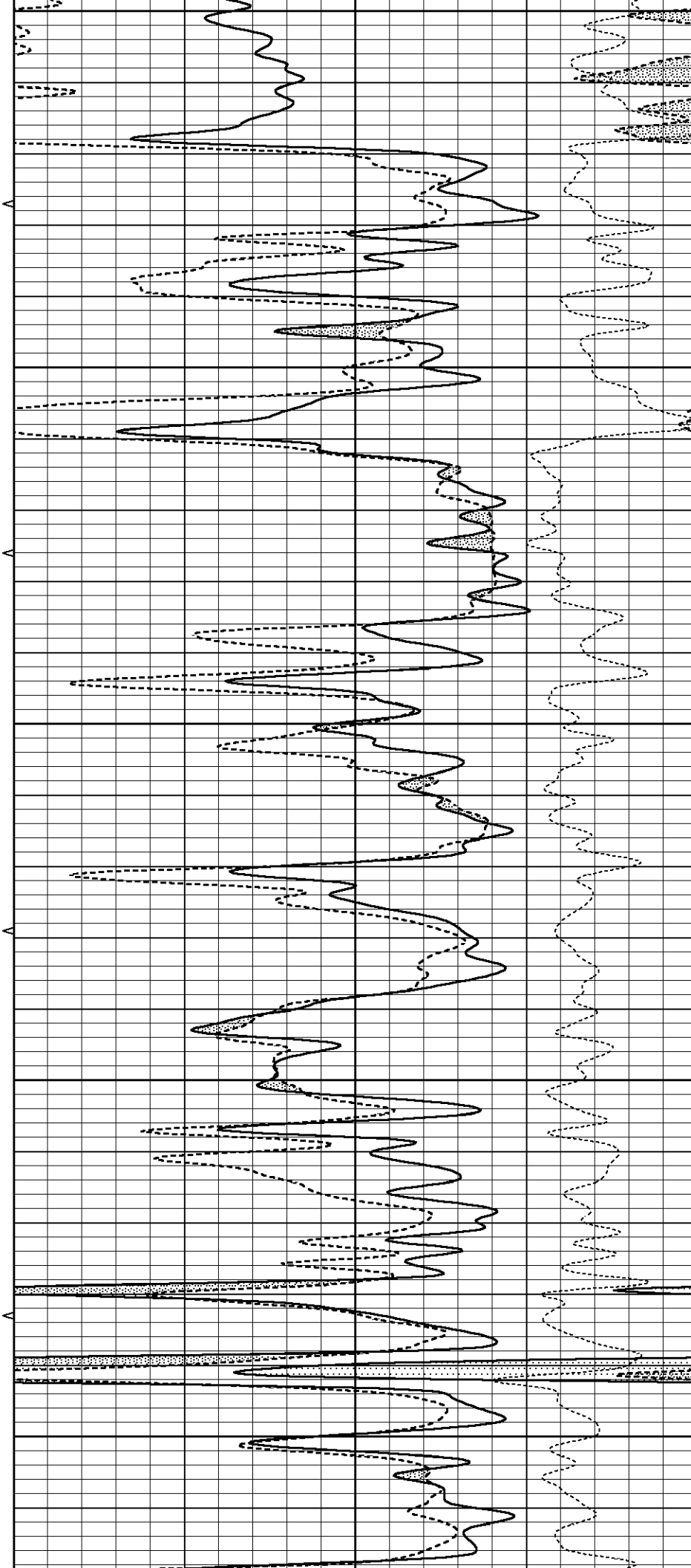
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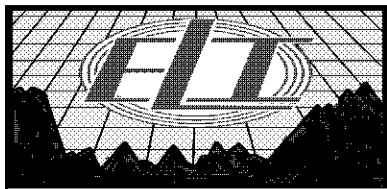
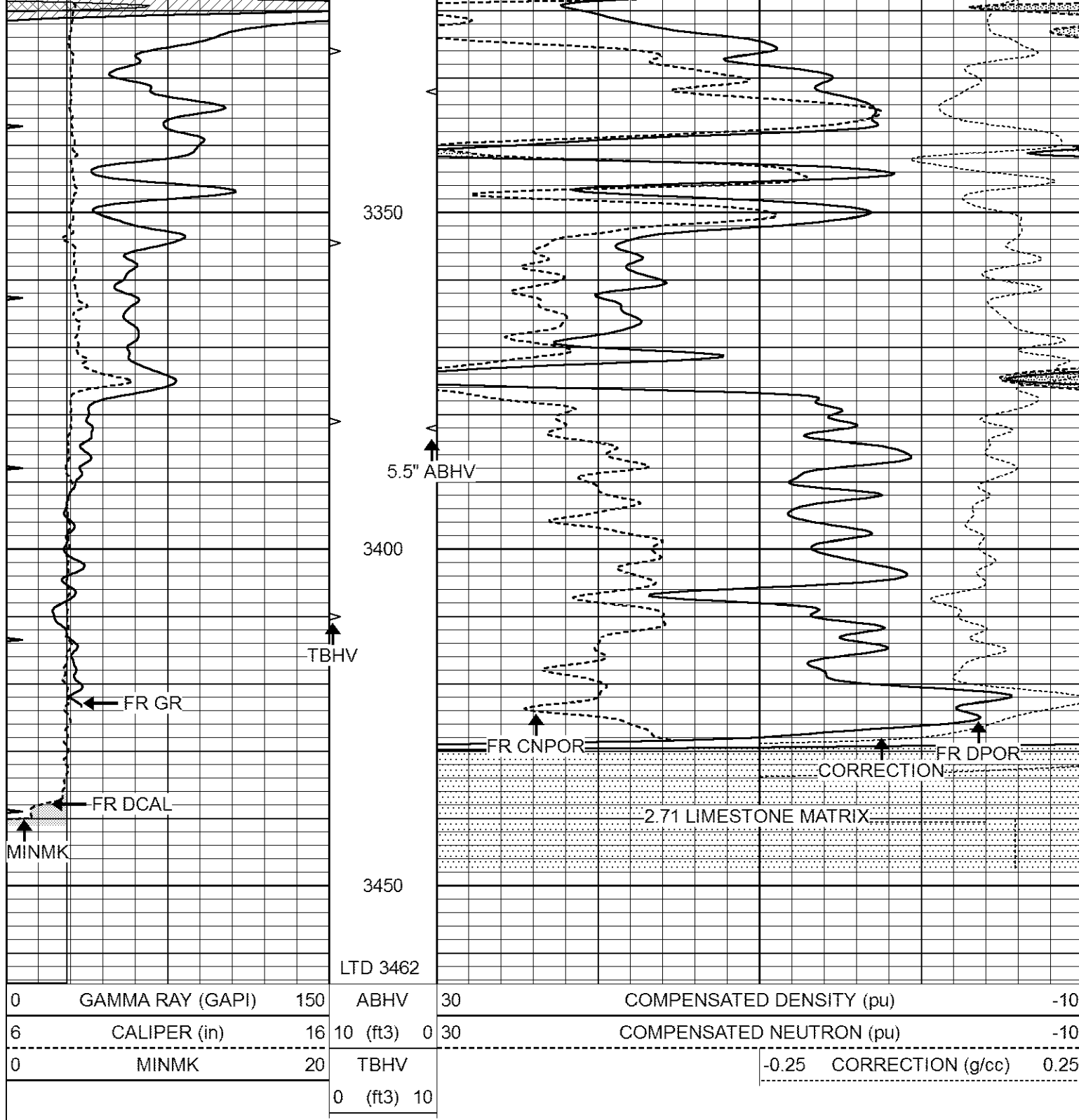
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3200

3250

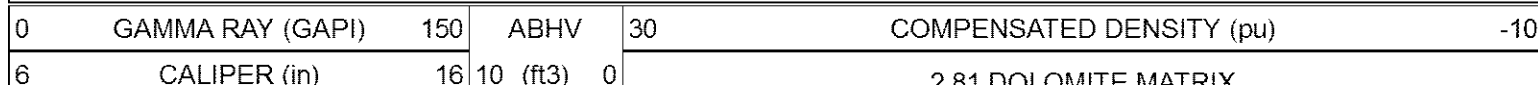
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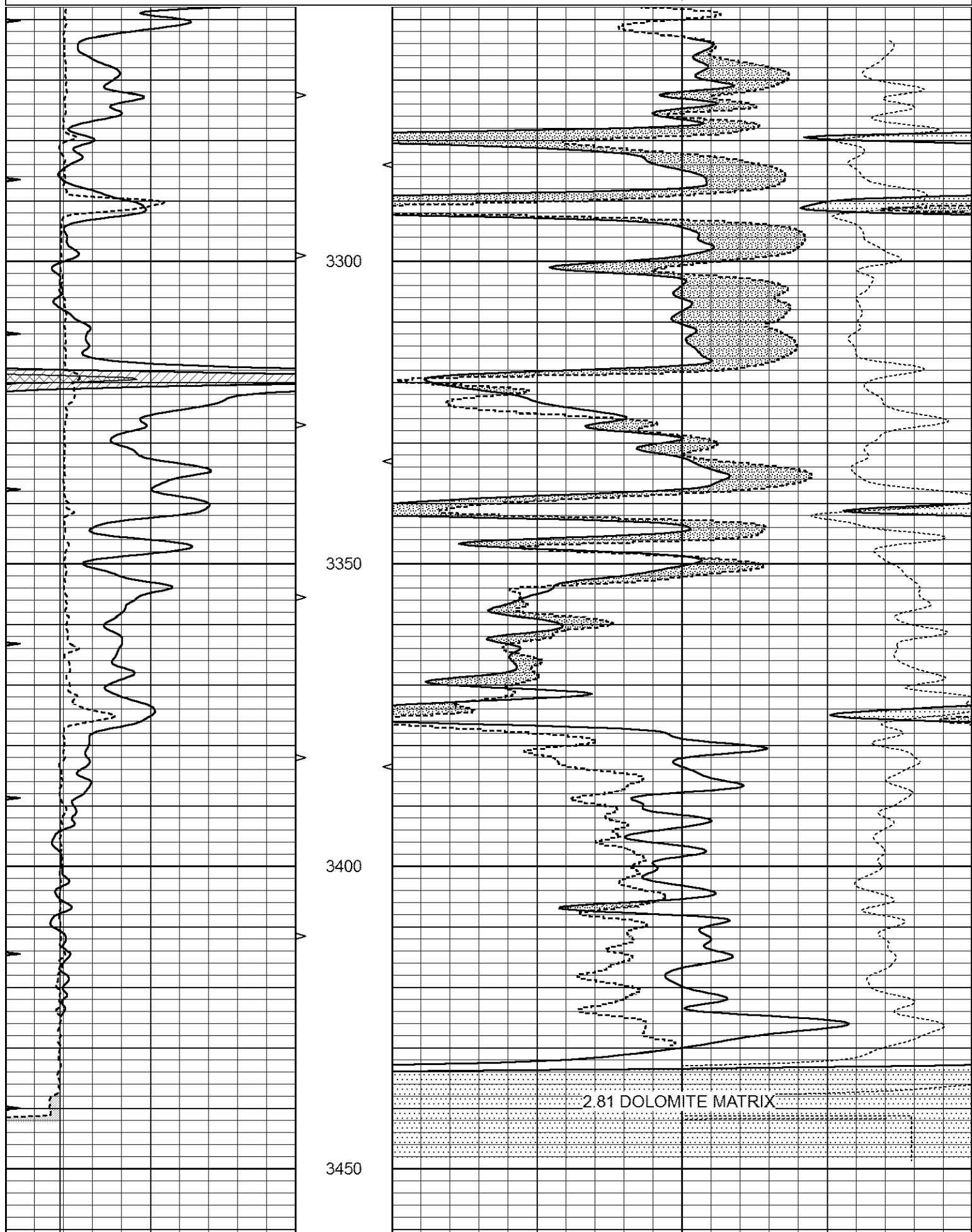


DOLOMITE MATRIX REPEAT

Database File 6539ddn.db
 Dataset Pathname pass3D
 Presentation Format den_neu
 Dataset Creation Wed Jun 08 22:54:10 2022
 Charted by Depth in Feet scaled 1:240



0	MINMK	20	TBHV	2.81 DOLOMITE MATRIX COMPENSATED NEUTRON		
			0 (ft3) 10 30	(pu)	-10	
				-0.25	CORRECTION (g/cc)	0.25



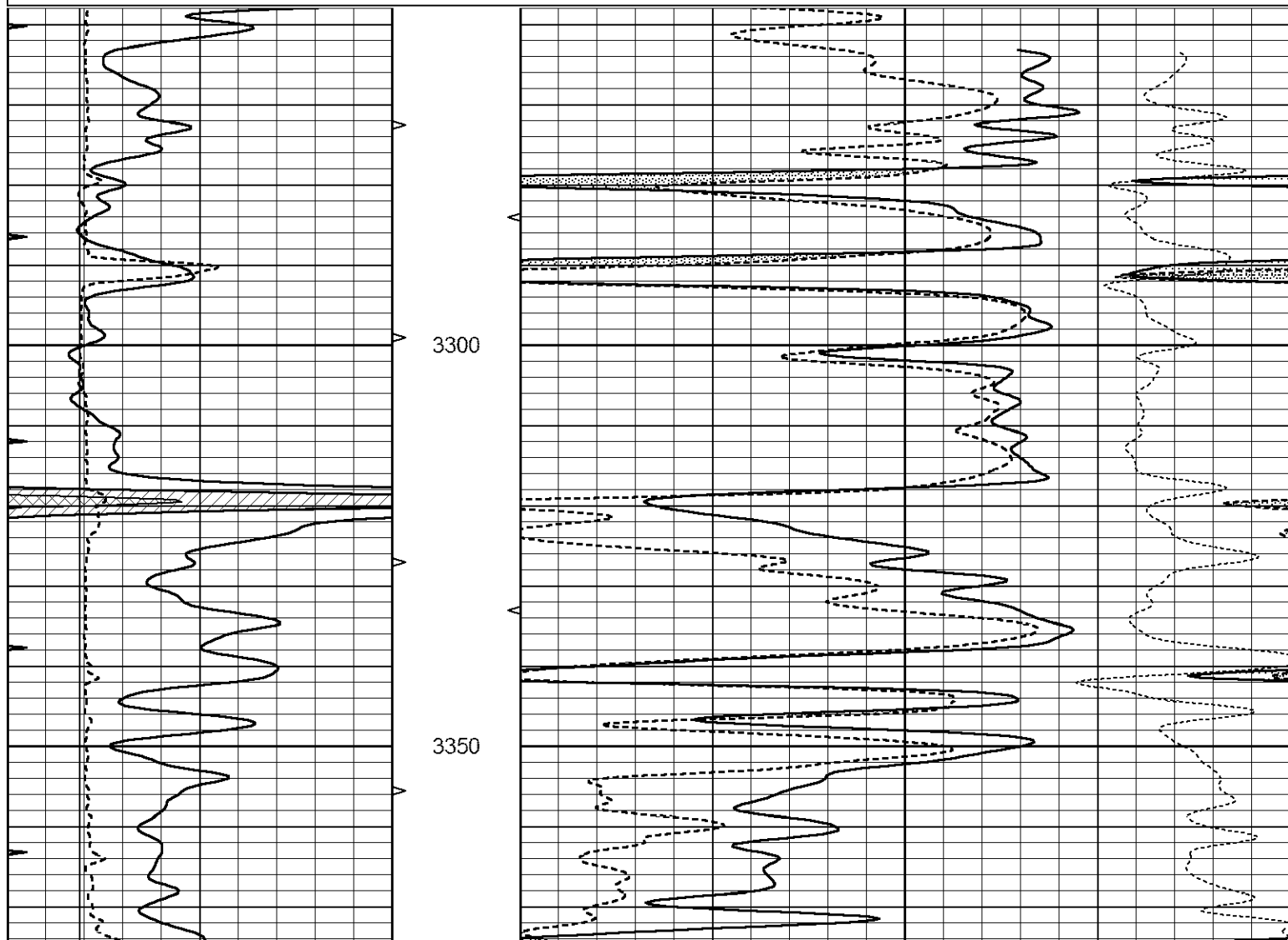
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	2.81 DOLOMITE MATRIX COMPENSATED NEUTRON		
0	MINMK	20	TBHV			
			0 (ft3) 10 30	(pu)	-10	
				-0.25	CORRECTION (g/cc)	0.25

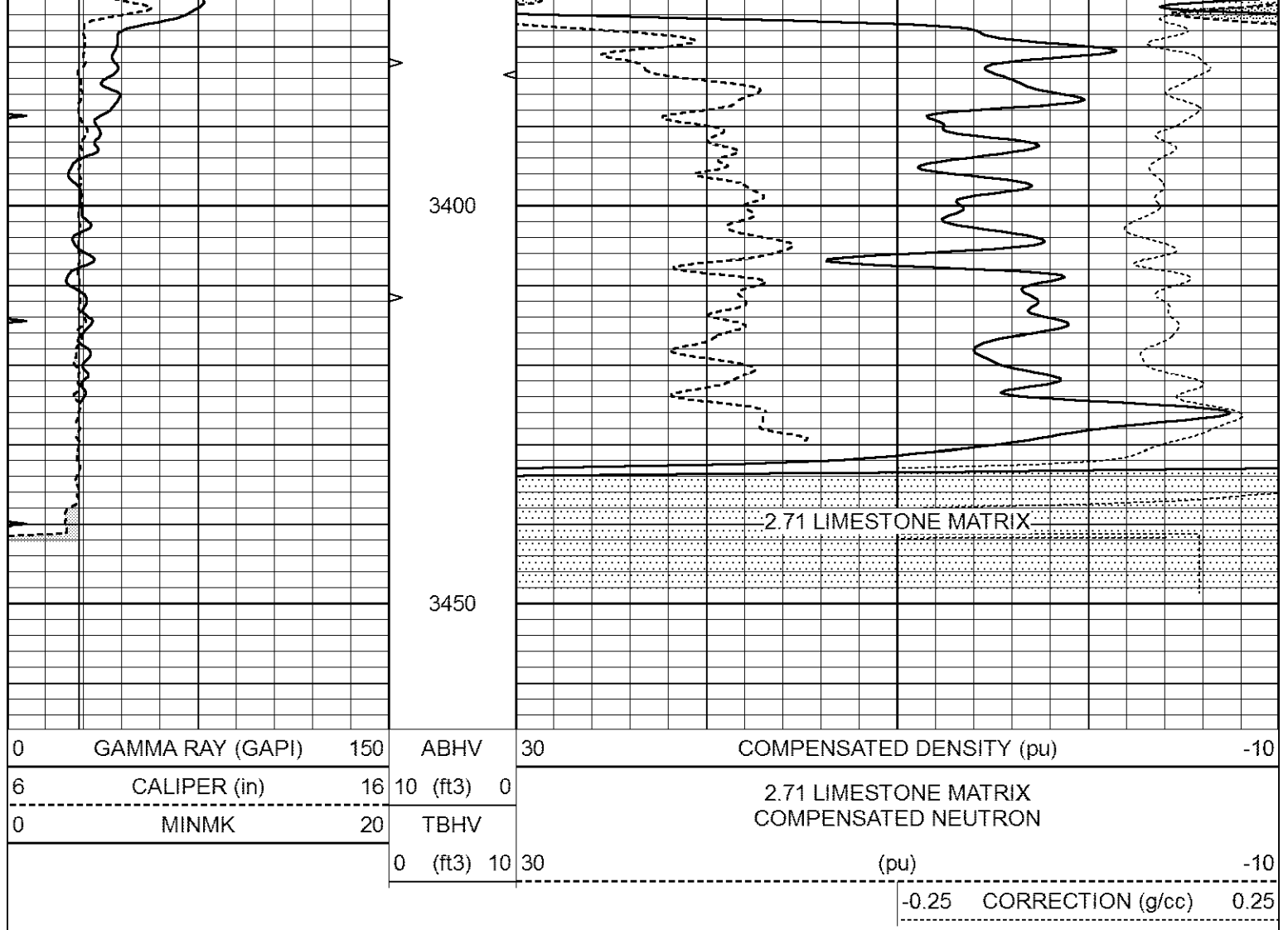


REPEAT SECTION

Database File 6539ddn.db
 Dataset Pathname pass3.1
 Presentation Format den_neu
 Dataset Creation Wed Jun 08 22:21:17 2022
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	2.71 LIMESTONE MATRIX COMPENSATED NEUTRON		
0	MINMK	20	TBHV			
			0 (ft3) 10 30	(pu)	-10	
				-0.25	CORRECTION (g/cc)	0.25





Calibration Report									
Database File	6539ddn.db								
Dataset Pathname	pass4.3M								
Dataset Creation	Wed Jun 08 22:15:48 2022								
Dual Induction Calibration Report									
Serial-Model:					FW1410-55-Probe				
Surface Cal Performed:					Sun May 15 19:17:36 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	-2.000	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	-8.500	
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: Mon May 23 14:22:47 2022			
	Background		Aluminum		Magnesium			
Window 1	511.07		5437.36		23664.68	cps		
Window 2	40.76		1220.39		5745.34	cps		
Window 4	223.73		1233.64		5301.27	cps		
Window 5	531.57		7878.13		15405.81	cps		
Window 6	48.52		1245.17		2497.97	cps		
Window 8	246.02		2578.14		4974.07	cps		
Bulk Density	-		2.6020		1.6830	g/cc		
Pe	-		3.0000		2.5070	b/e		
LS Alpha:	: -1.8413		SS Alpha:	: -0.8034		LS CPE:	: 1.1579	
LS Beta:	: 124864.8423		SS Beta:	: 19537.1506		SS CPE:	: 1.6371	
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 May 23 14:22:47 2022			
Results	Readings		References (in)					
	Low	High	Low	High		Gain		Offset
	8210.8	12139.3	7.0	14.0		0.0		7.3

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