COMPENSATED DENSITY/NEUTRON LOG

Company LYNN PACKARD
Well PACKARD JAYNE #5
Field NURSE
County BARBER State KANSAS

Company	LYNN PACKARD
Well	PACKARD JAYNE #5
Field	NURSE
County	BARBER
State	KANSAS

Location: API # : 15-007-24483-0000
1040 FSL & 2350 FWL
NE - NE - SE - SW
SEC 22 TWP 31S RGE 13W

Other Services: DIL/MEL

Permanent Datum GROUND LEVEL Elevation 1584
Log Measured From KELLY BUSHING 11' A.G.L
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1595
D.F. 1593
G.L. 1584

Date	1/9/24				
Run Number	ONE				
Depth Driller	3467				
Depth Logger	3467				
Bottom Logged Interval	3443				
Top Log Interval	2400				
Casing Driller	8.625 @ 222				
Casing Logger	222				
Bit Size	7.875				
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7,000 PPM			
Density / Viscosity	8.9/61				
pH / Fluid Loss	11.0/8.8				
Source of Sample	FLOWLINE				
Rm @ Meas. Temp	.900 @ 58F				
Rmf @ Meas. Temp	.675 @ 58F				
Rmc @ Meas. Temp	1.08 @ 58F				
Source of Rmf / Rmc	MEASUREMENT				
Rm @ BHT	.470 @ 111F				
Time Circulation Stopped	2 HOURS				
Time Logger on Bottom	2:45 P.M.				
Maximum Recorded Temperature	111F				
Equipment Number	3802				
Location	HAYS, KANSAS				
Recorded By	COLE ROBBEN				
Witnessed By	AARON YOUNG				

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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

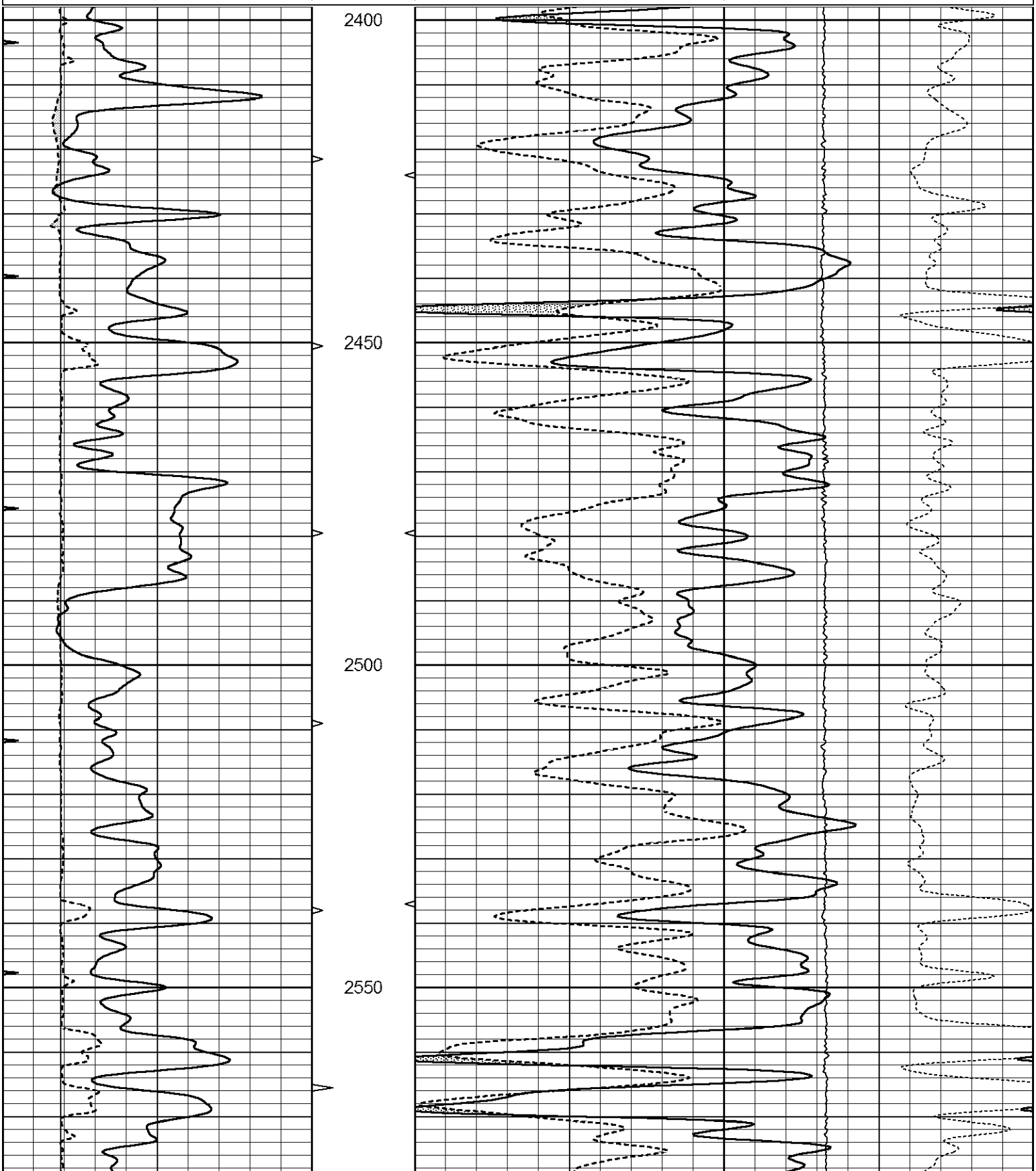
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

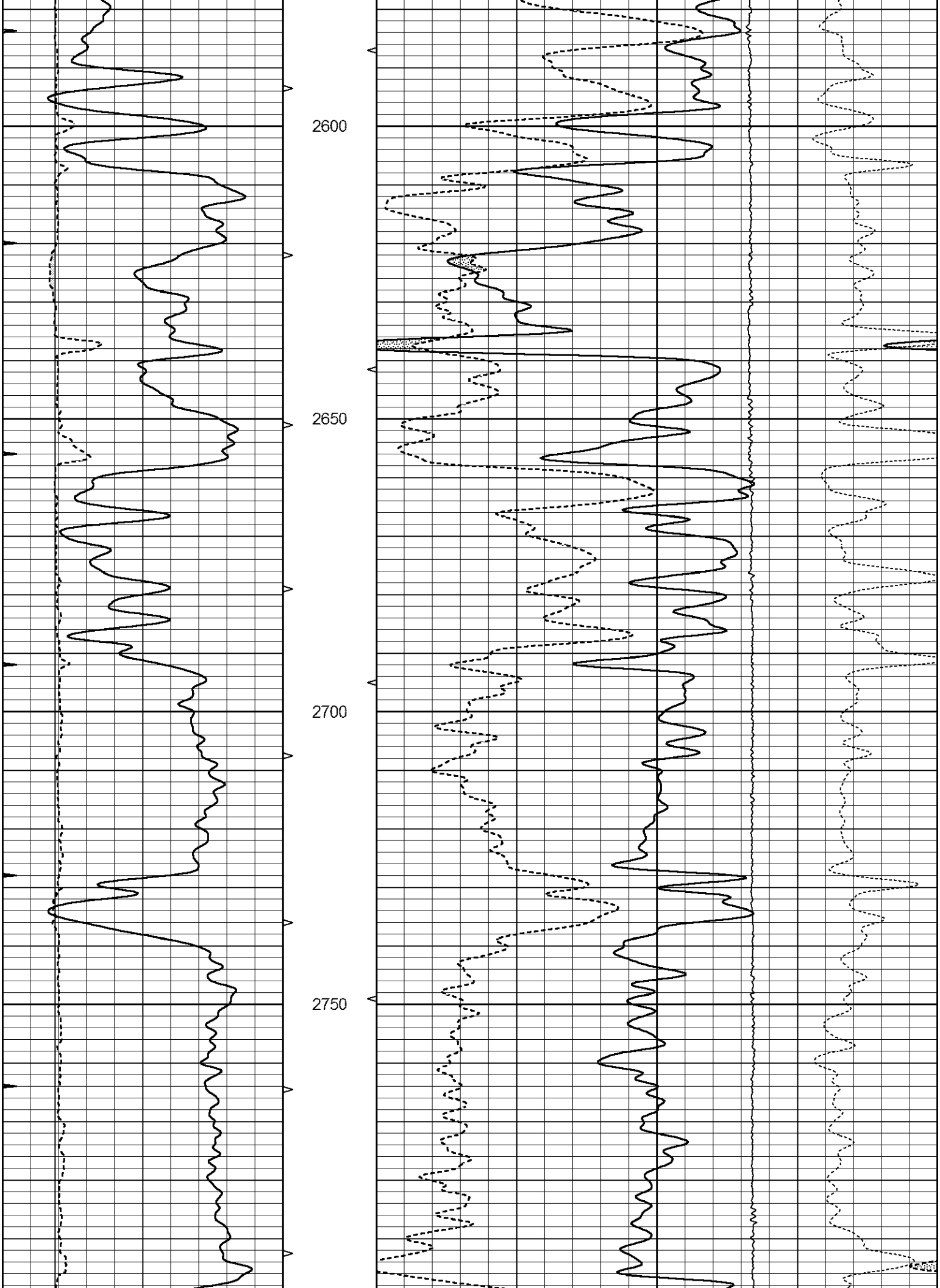
DIRECTIONS:
TAKE 'NW RIVER RD' WEST FROM HIGHWAY 281 IN MEDICINE LODGE, KANSAS FOR 8 MILES, NORTH INTO OVER CATTLE GUARD

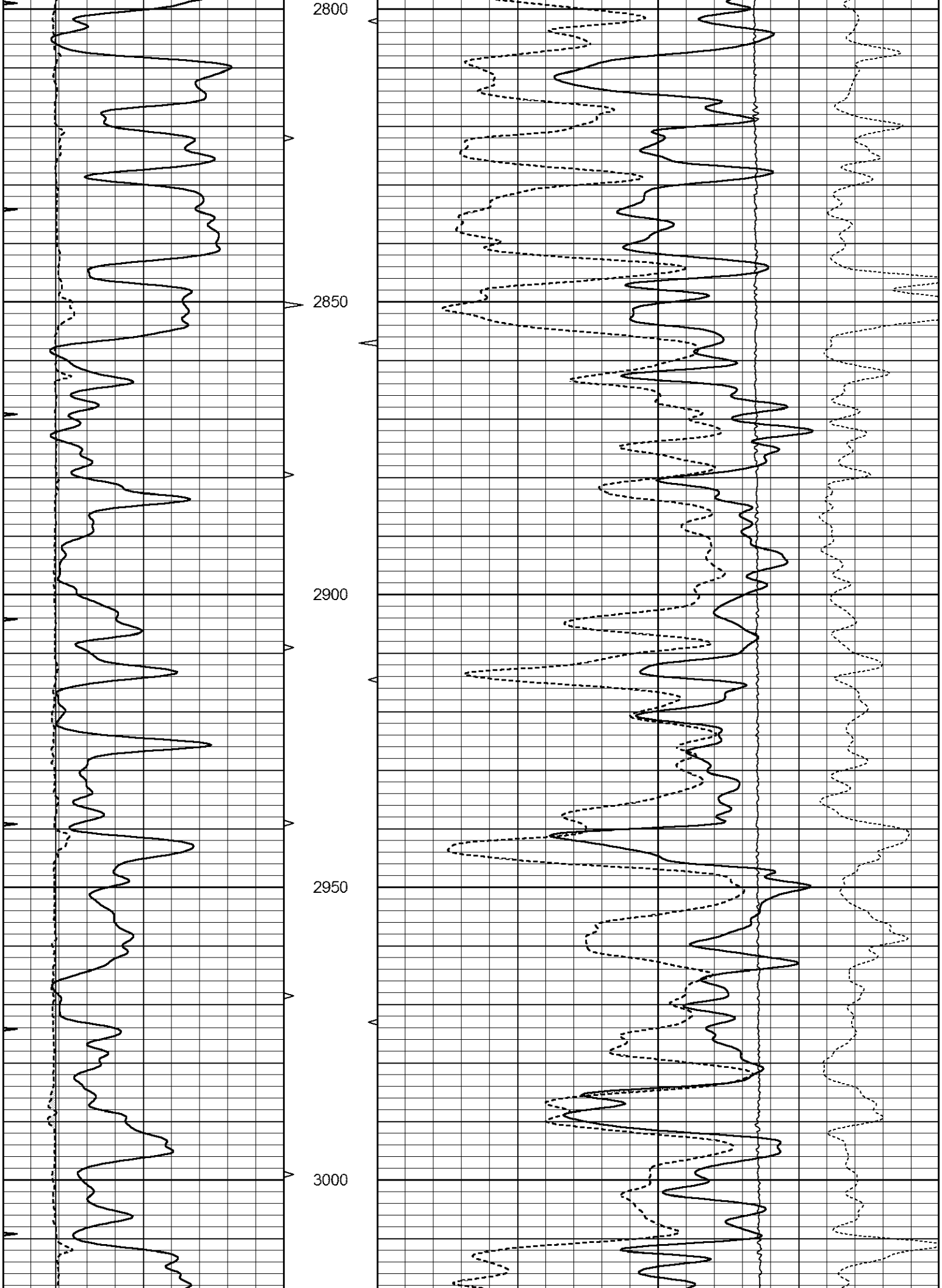
MAIN SECTION

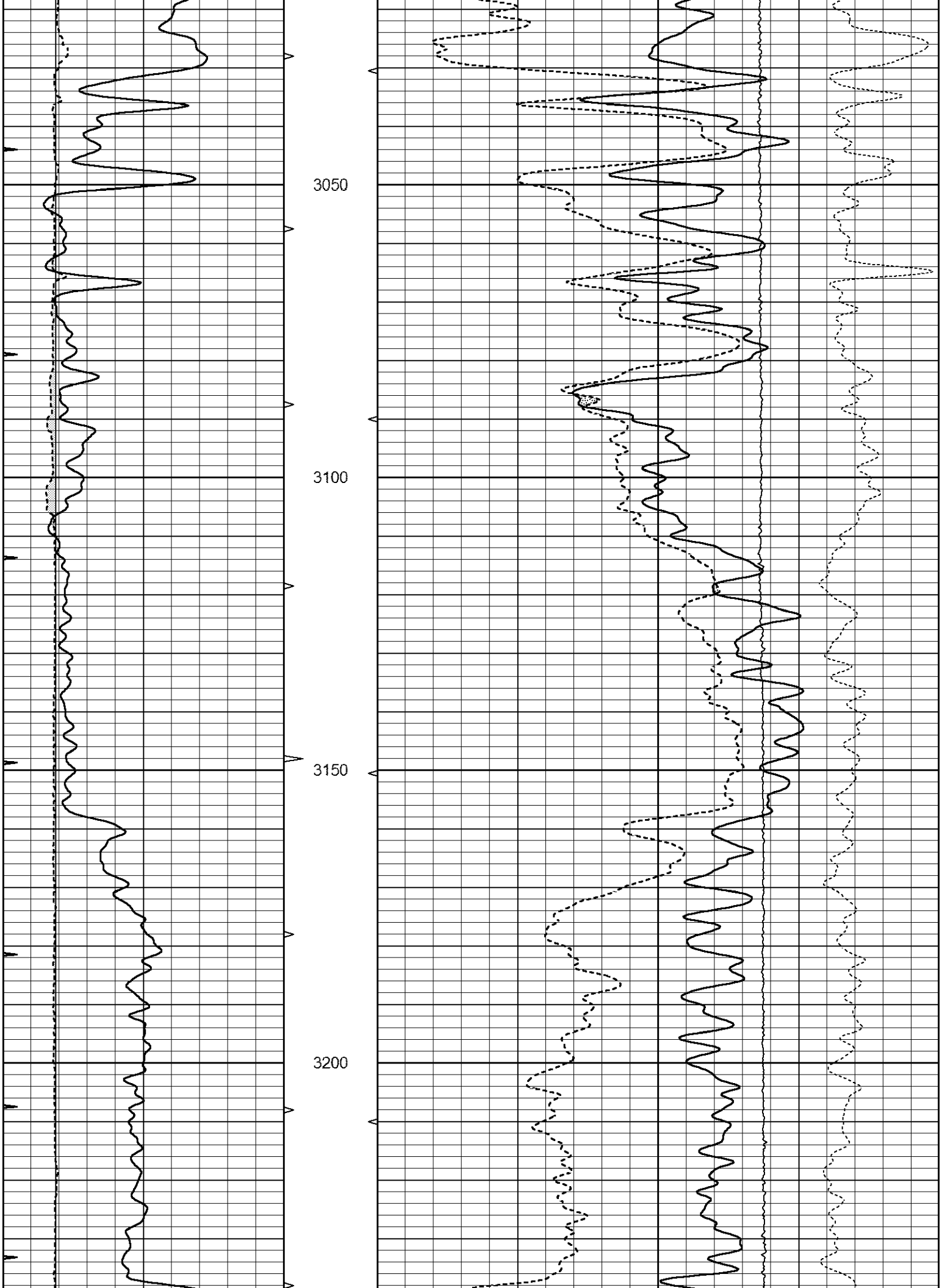
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Dataset Pathname	pass3D
Presentation Format	_den_neu
Dataset Creation	Tue Jan 09 15:37:46 2024
Charted by	Depth in Feet scaled 1:240

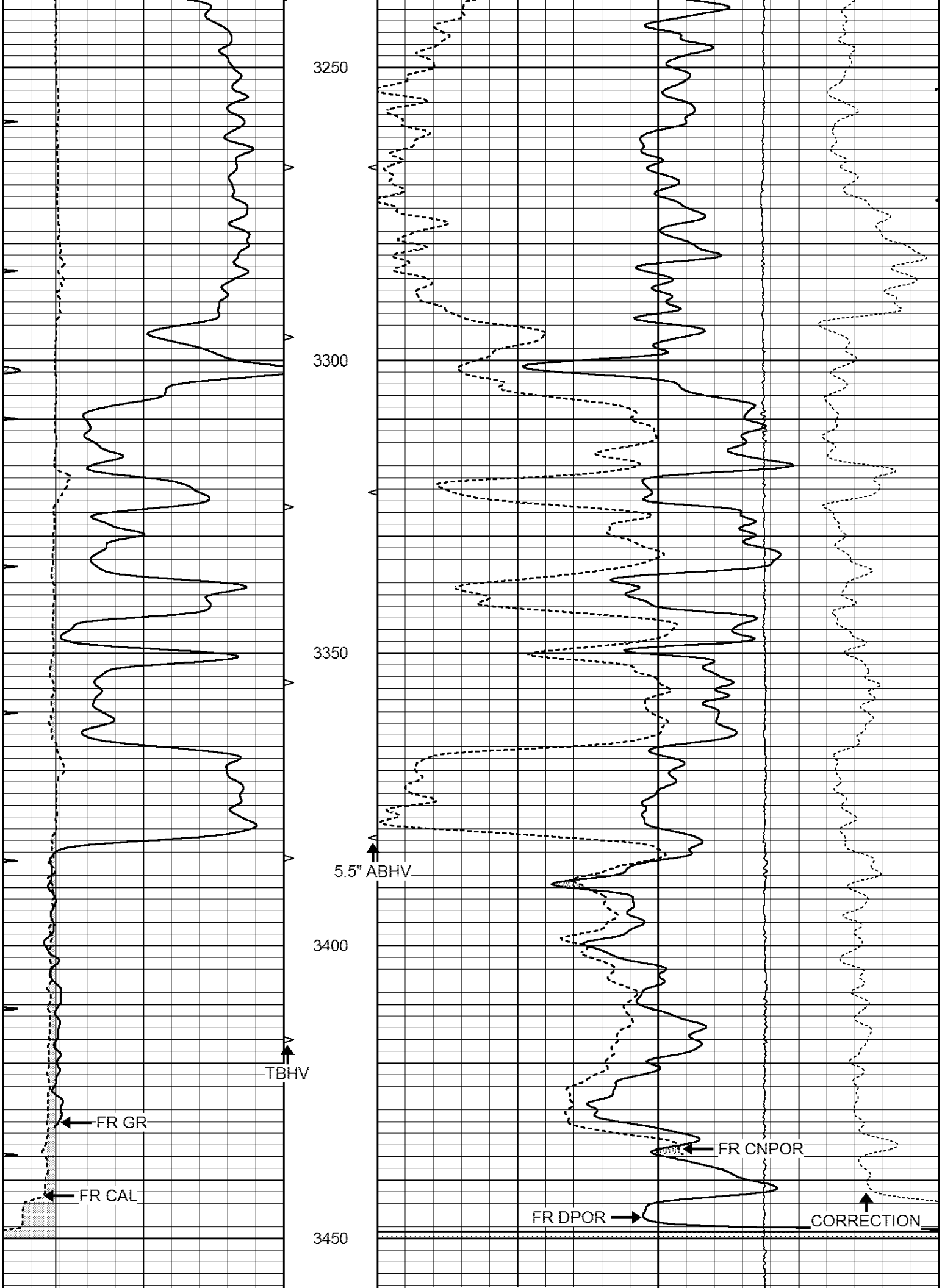
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10		0 LTEN (lb)	5000

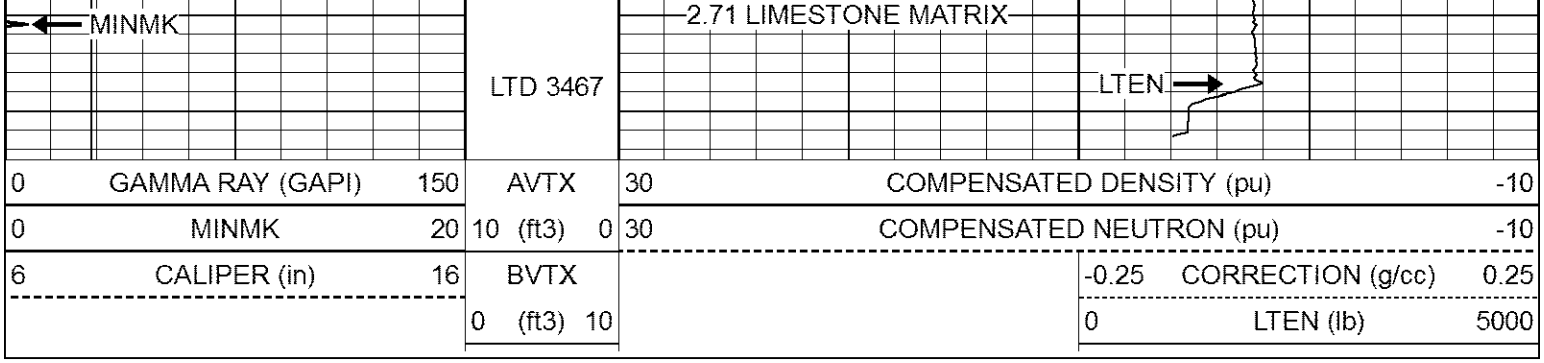



2600
2650
2700
2750


2800
2850
2900
2950
3000

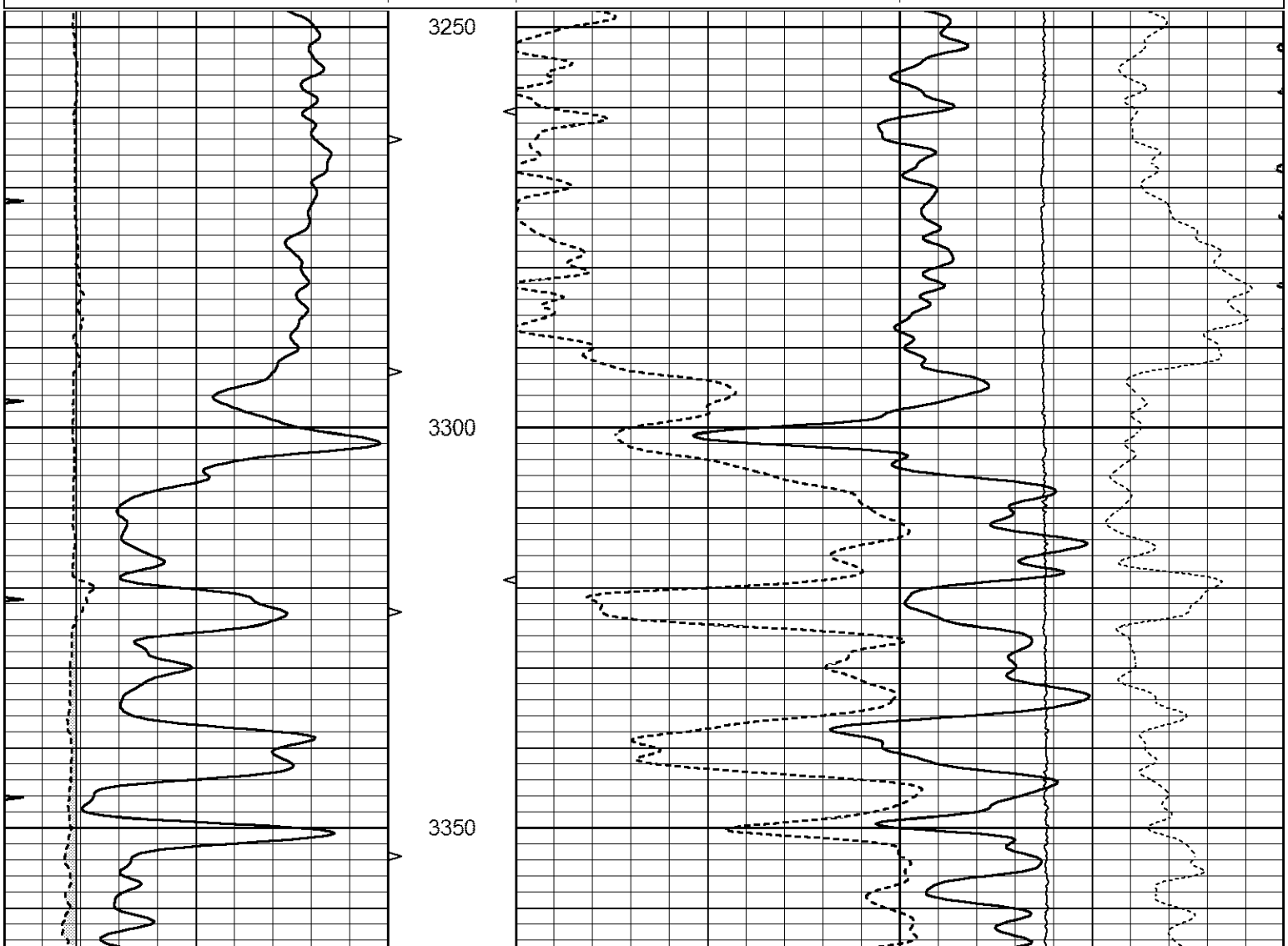

3050
3100
3150
3200

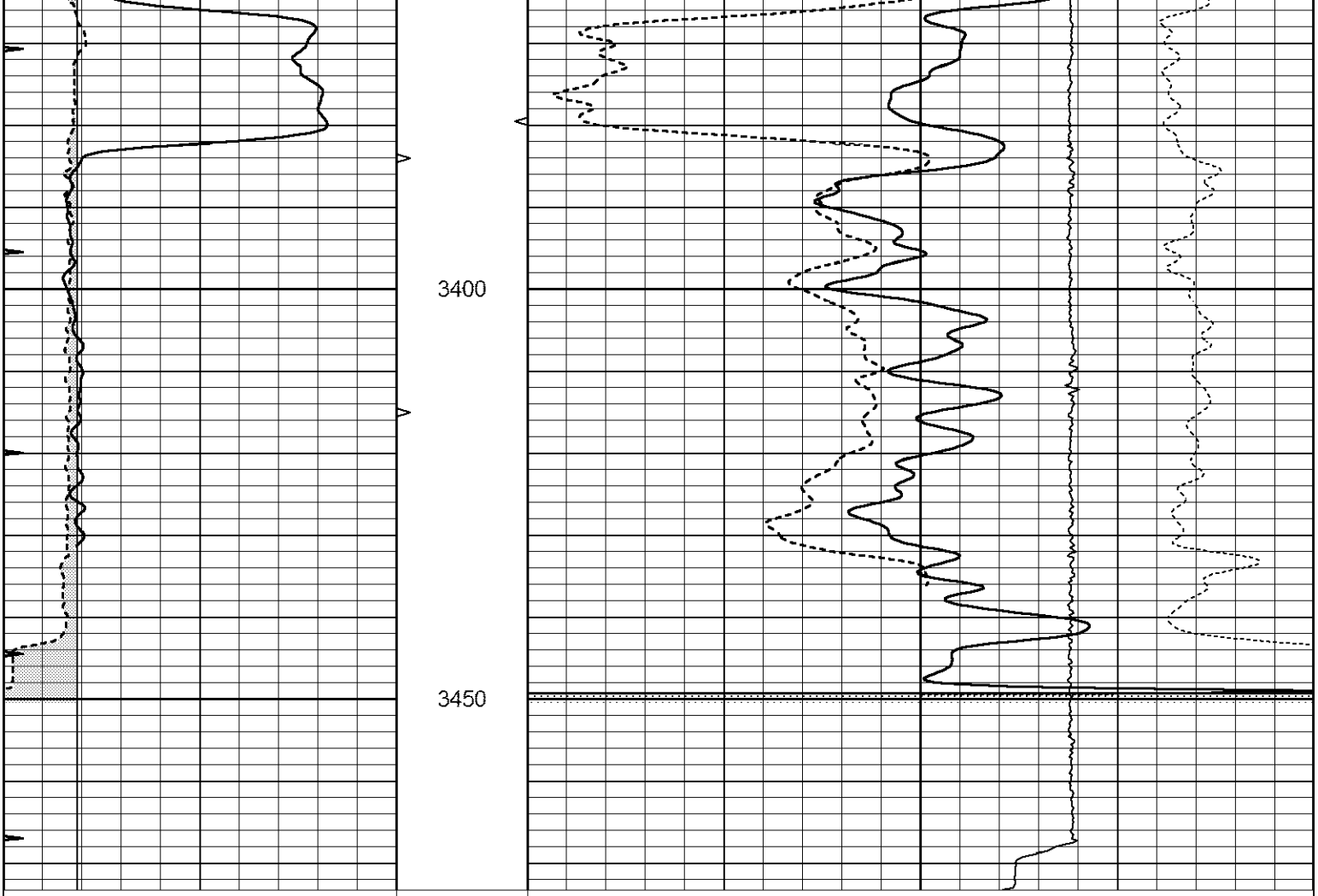

3250
3300
3350
3400
3450
5.5" ABHV
TBHV
FR GR
FR CAL
FR CNPOR
FR DPOR
CORRECTION



REPEAT SECTION

Database File	7059ddn.db
Dataset Pathname	pass2R
Presentation Format	_den_neu
Dataset Creation	Tue Jan 09 15:23:36 2024
Charted by	Depth in Feet scaled 1:240





Calibration Report

Database File	7059ddn.db
Dataset Pathname	pass3D
Dataset Creation	Tue Jan 09 15:37:46 2024

Dual Induction Calibration Report

Serial-Model:	FW1410-55-Probe
Surface Cal Performed:	Sat Jul 29 01:57:42 2023
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	565.000	-7.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-10.000
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: 003 Model: PRB

Master Calibration — Performed Mon May 22 11:42:40 2023

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1512.3	7465.7	2749.0	2519.6	cps
Window 2	1398.8	6705.7	2507.3	2313.8	cps
Window 3	1289.2	5259.5	2124.1	2009.6	cps
Window 4	351.1	351.6	351.8	353.2	cps
Long Space	0.0	5306.9	1108.5	915.0	cps
Short Space	3.3	2239.9	1441.2	1212.0	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	

Rib Angle	: 44.3	Rib Slope	: 0.975	Density/Spine Ratio	: 0.541
Spine Angle	: 74.3	Spine Slope	: 3.551	Spine Intercept	: -18.8

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:	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:	46001	
Tool Model:	Probe1	
Performed:	Thu Apr 20 09:55:57 2023	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.4300	GAPI/cps