Company	FOURWINDS OIL CORPORATION
Well	MARY #2
Field	RAY
County	PHILLILPS
State	KANSAS

COMPENSATED DENSITY/NEUTRON LOG

Company	FOURWINDS OIL CORPORATION
Well	MARY #2
Field	RAY
County	PHILLILPS
State	KANSAS

Location: API # : 15-147-20763-0000

715' FNL & 1765' FWL
NE - SW - NE - NW
SEC 28 TWP 5S RGE 20W

Other Services: DIL/MEL SONIC

Elevation: K.B. 2217, D.F. 2215, G.L. 2209

Permanent Datum: GROUND LEVEL, Elevation 2209
Log Measured From: KELLY BUSHING 8' A.G.L
Drilling Measured From: KELLY BUSHING

Date	9/25/23		
Run Number	ONE		
Depth Driller	3700		
Depth Logger	3699		
Bottom Logged Interval	3675		
Top Log Interval	3000		
Casing Driller	8 5/8" @ 221'		
Casing Logger	221'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,200 PPM	
Density / Viscosity	9.4/46		
pH / Fluid Loss	10.5/8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.60 @ 79F		
Rmf @ Meas. Temp	1.20 @ 79F		
Rmc @ Meas. Temp	1.92 @ 79F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.19 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	2:00 A.M.		
Maximum Recorded Temperature	113F		
Equipment Number	8916		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	CAMERON BRIN		

<<< Fold Here >>>

Comments

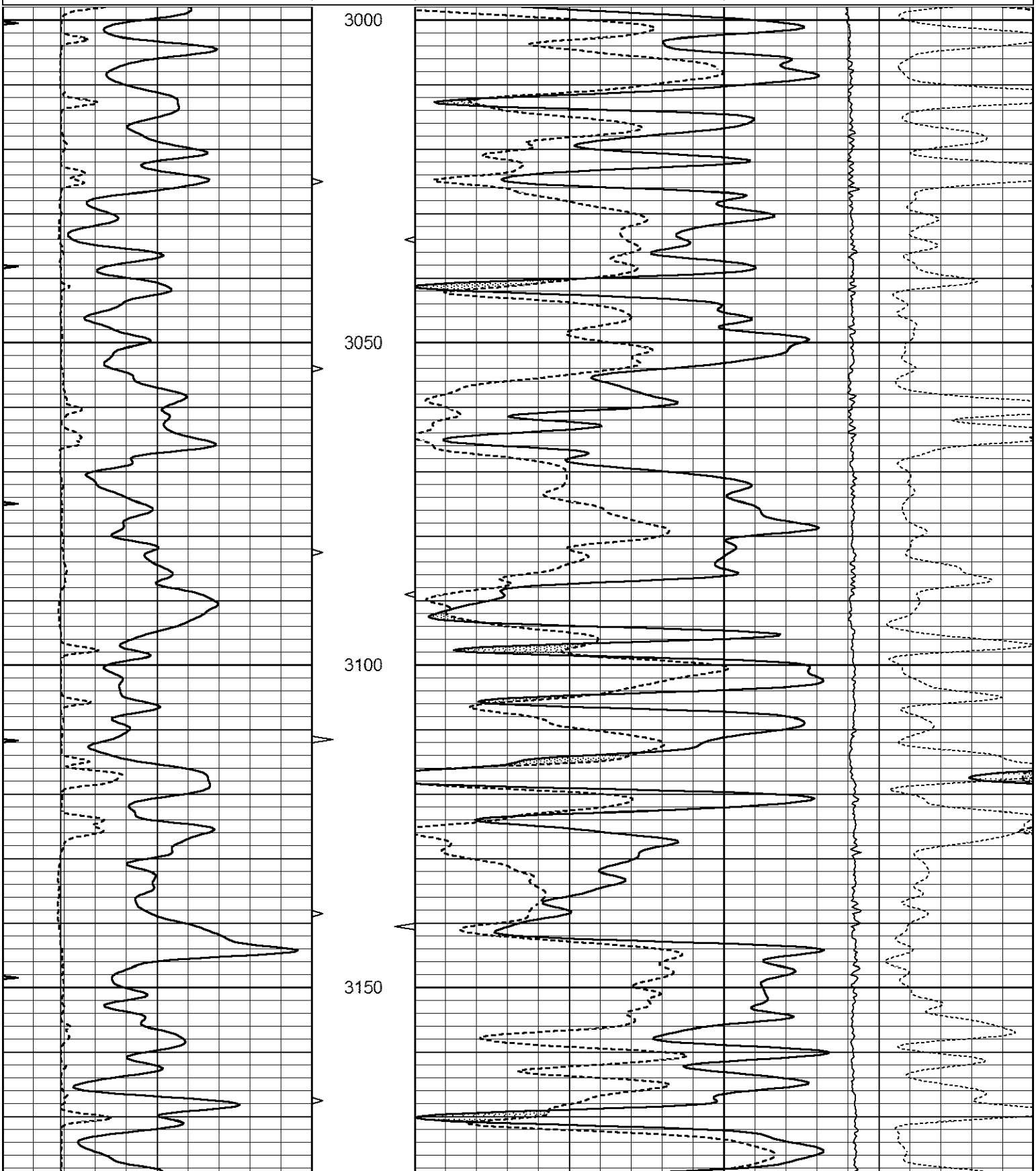
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

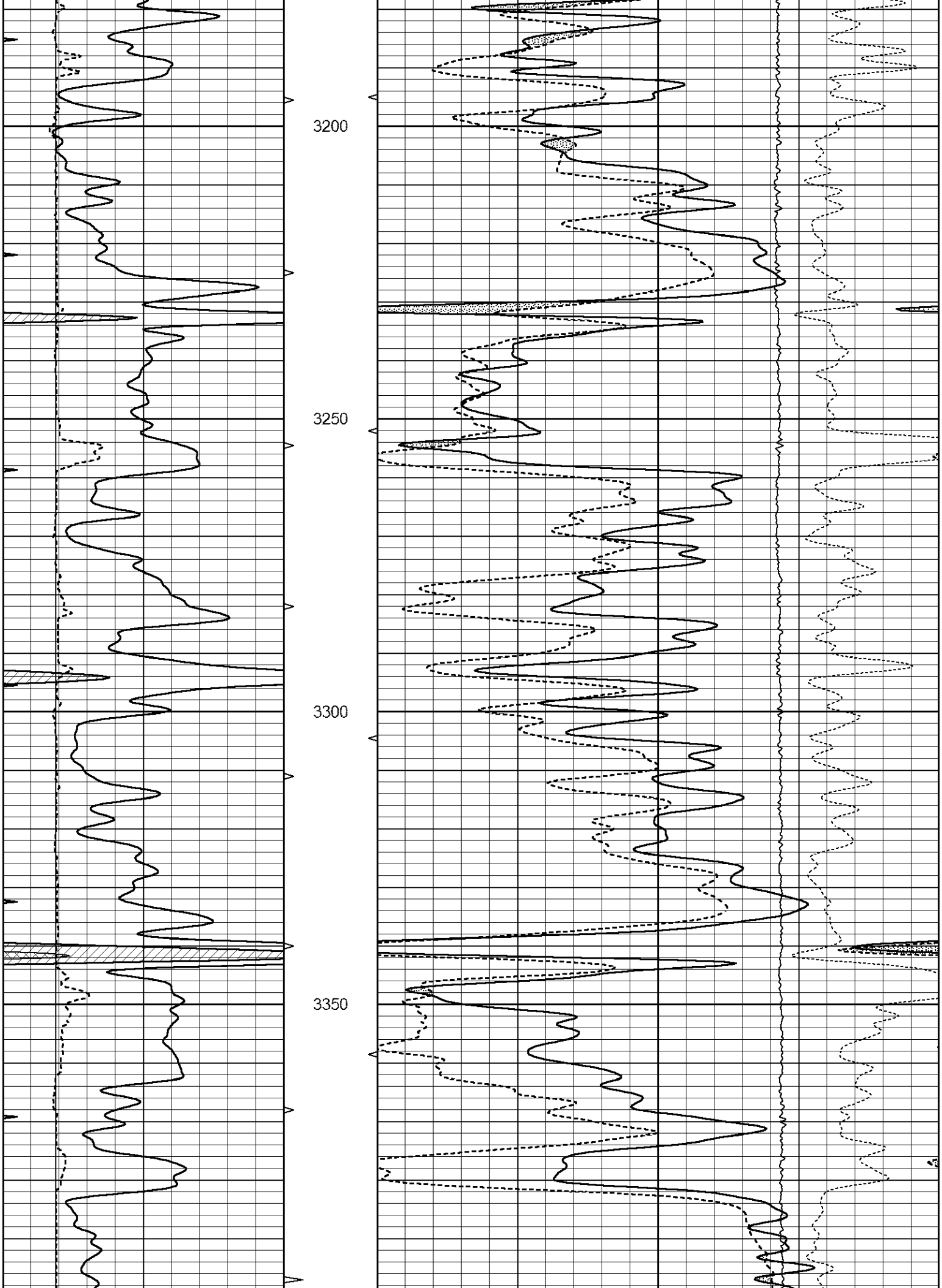
DIRECTIONS:
FROM STOCKTON, KANSAS GO 11 MILES NORTH TO COZY COVE ROAD, WEST 15 MILES, SOUTH INTO OVER CATTLE GUARD ON WEST SIDE OF TANK BATTERY

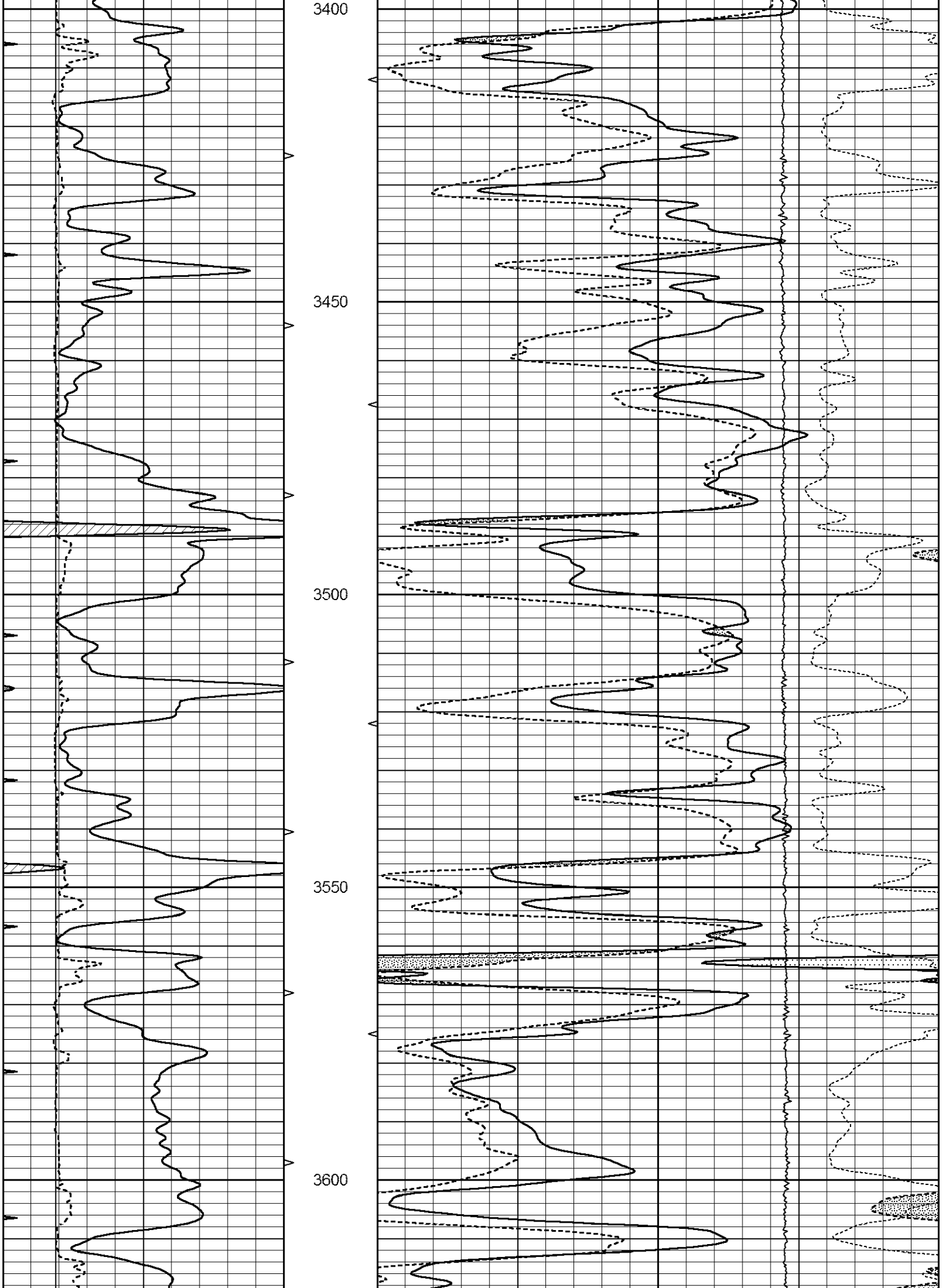
MAIN SECTION

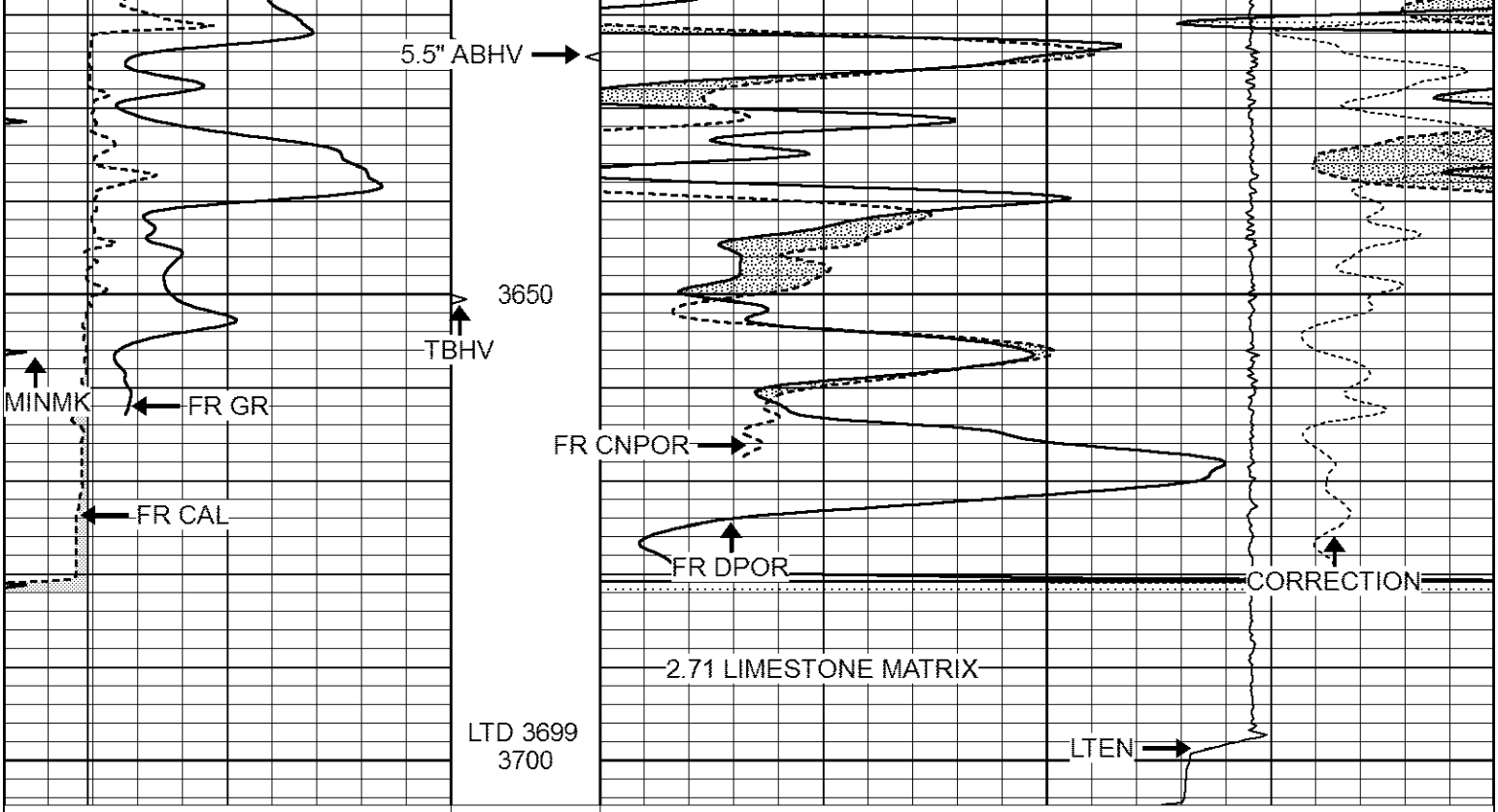
Database File	8351ddn.db
Dataset Pathname	pass4D
Presentation Format	_den_neu
Dataset Creation	Mon Sep 25 03:11:55 2023
Charted by	Depth in Feet scaled 1:240

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

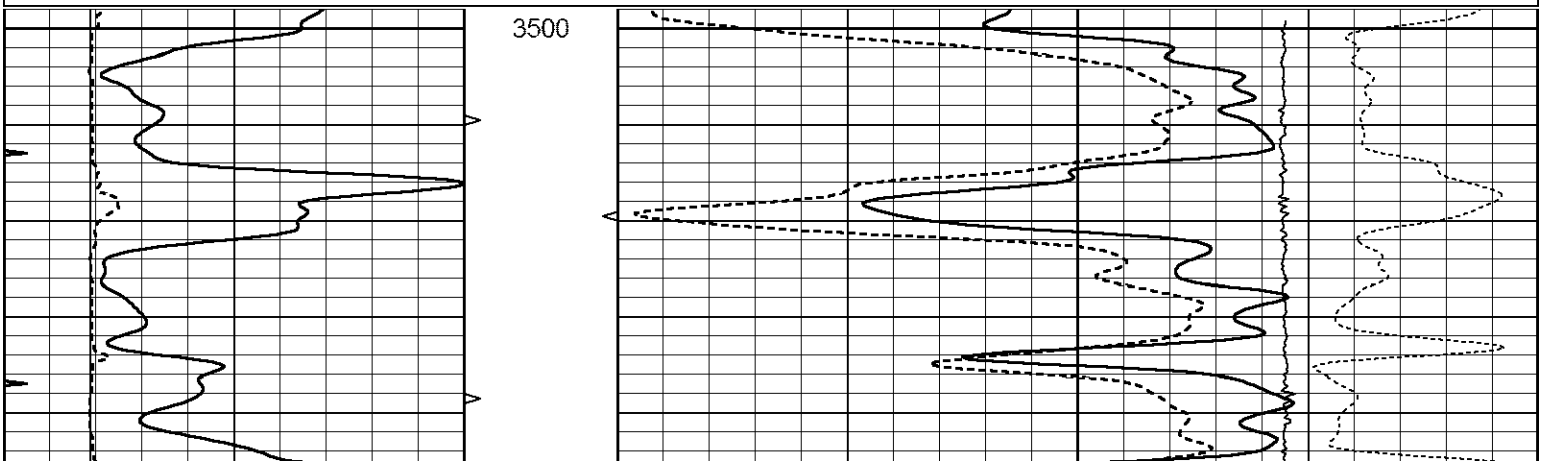


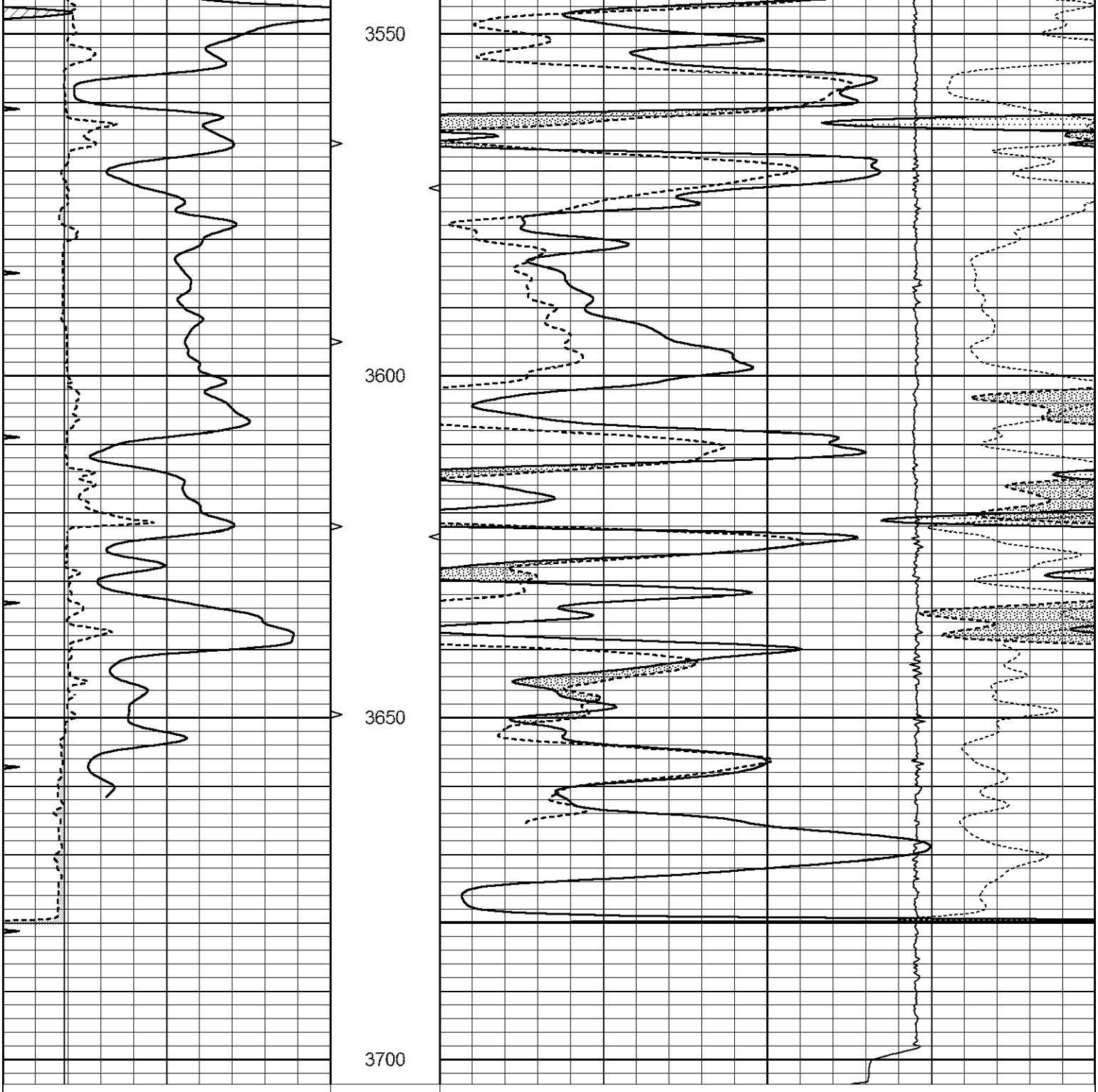
0	GAMMA RAY (GAPI) 150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK 20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in) 16	BVTX		-0.25 CORRECTION (g/cc)	0.25
		0 (ft3) 10		0 LTEN (lb)	5000

REPEAT SECTION

Database File	8351ddn.db
Dataset Pathname	pass2R.1
Presentation Format	_den_neu
Dataset Creation	Mon Sep 25 03:34:23 2023
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	8351ddn.db
Dataset Pathname	pass4D
Dataset Creation	Mon Sep 25 03:11:55 2023

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

After Survey Verification Performed: Tue Feb 19 11:44:27 2019

Surface Calibration

Loop:	Readings Air	Readings Loop		References Air	References Loop		Results m	Results b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	565.000	-9.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-11.000
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 Zero	Readings Cal		References Zero	References Cal		Results m'	Results 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 Zero	Readings Cal		Targets Zero	Targets Cal		Results m'	Results 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