

COMPENSATED DENSITY / NEUTRON LOG

Company	DOUBLE D'S, LLC.	
Well	CECIL #1	
Field	WILDCAT	
County	ELLIS	State
State	KANSAS	
Company	DOUBLE D'S, LLC.	
Well	CECIL #1	
Field	WILDCAT	
County	ELLIS	State
State	KANSAS	
Location:	API # : 15-051-26908-0000 1096' FNL & 1818' FVL SE - SW - NE - NW	
Permanent Datum	GROUND LEVEL	Elevation
Log Measured From	KELLY BUSHING 10' A.G.L.	1956
Drilling Measured From	KELLY BUSHING	Elevation
		K.B. 1966 D.F. 1964 G.L. 1956
Date	5/3/18	
Run Number	ONE	
Depth Driller	3669	
Depth Logger	3668	
Bottom Logged Interval	3644	
Top Log Interval	2800	
Casing Driller	8 5/8" @ 1141'	
Casing Logger	1141	
Bit Size	7 7/8"	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 11,400 PPM
Density / Viscosity	9.3/54	
pH / Fluid Loss	10.0/10.0	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	.700 @ 72F	
Rmf @ Meas. Temp	.525 @ 72F	
Rmc @ Meas. Temp	.840 @ 72F	
Source of Rmf / Rmc	MEASUREMENT	
Rm @ BHT	.446 @ 113F	
Time Circulation Stopped	2 HOURS	
Time Logger on Bottom	7:30 P.M.	
Maximum Recorded Temperature	113F	
Equipment Number	922339	
Location	HAYS, KANSAS	
Recorded By	JEFF LUEBBERS	
Witnessed By	MARC DOWNING	DOC BIEKER

<<< 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.

Comments

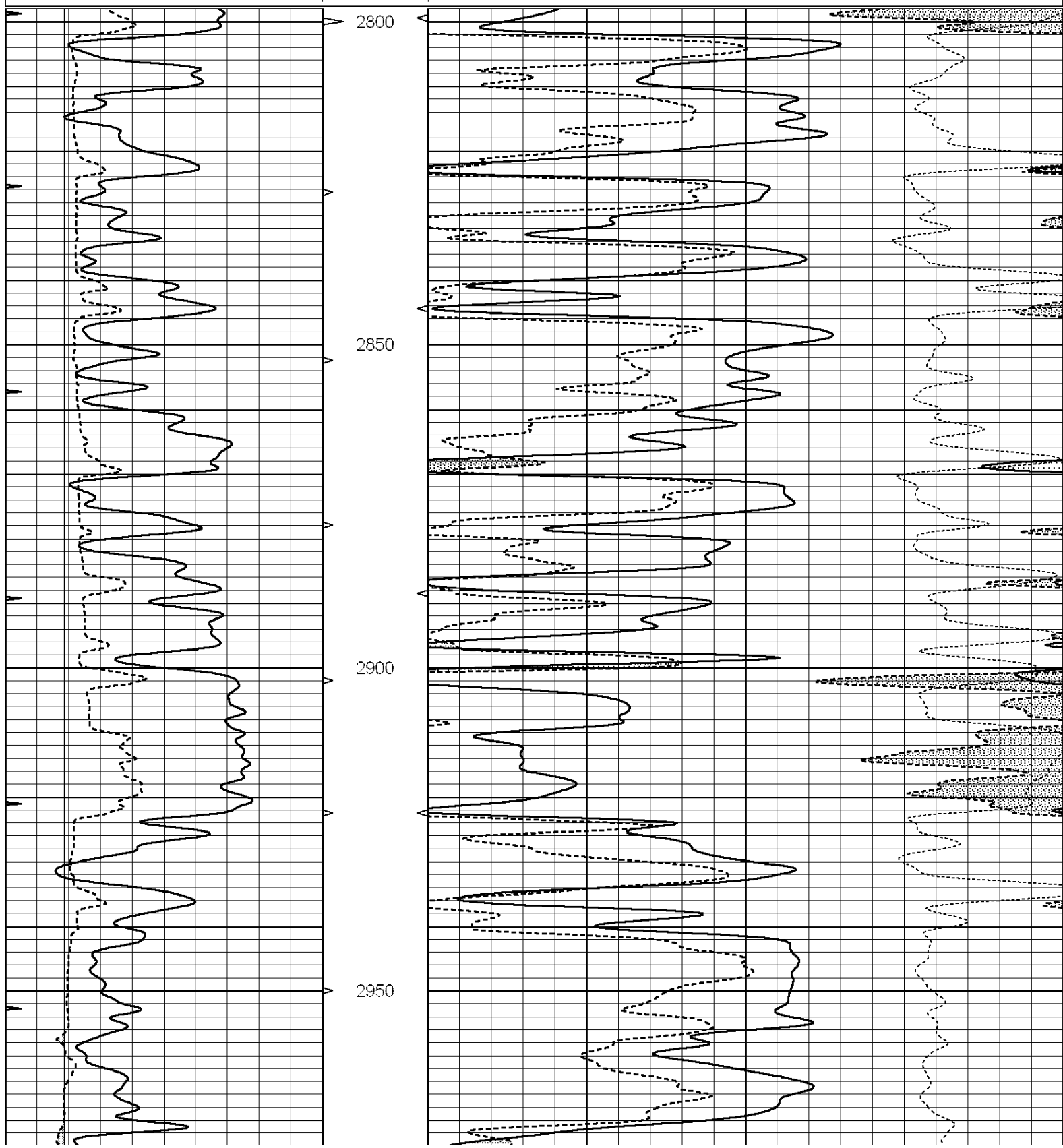
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
SCHOENCHEN, KS. & HWY 183, 1N., 2W., S. INTO AT SAND PIT DRIVE

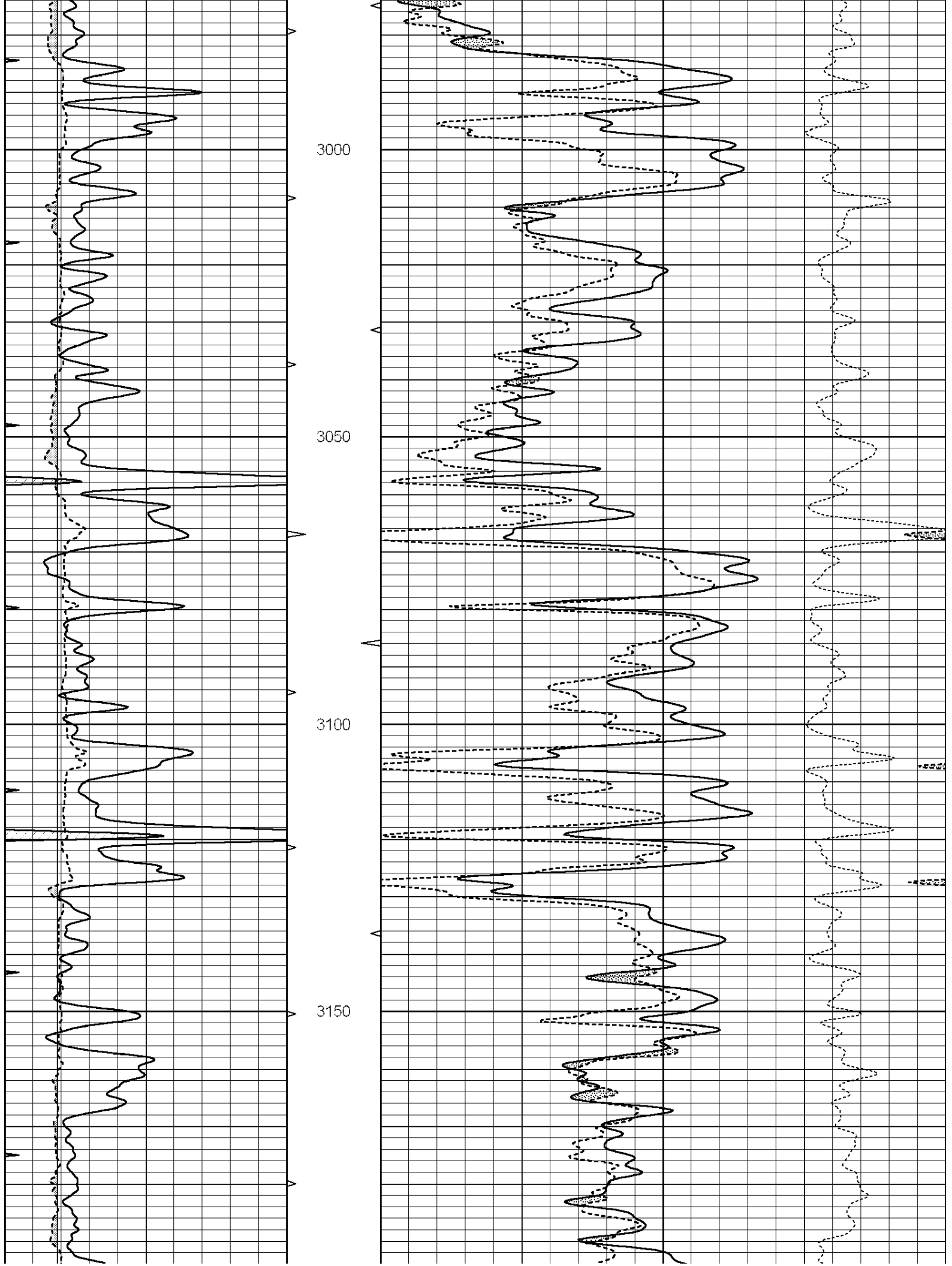


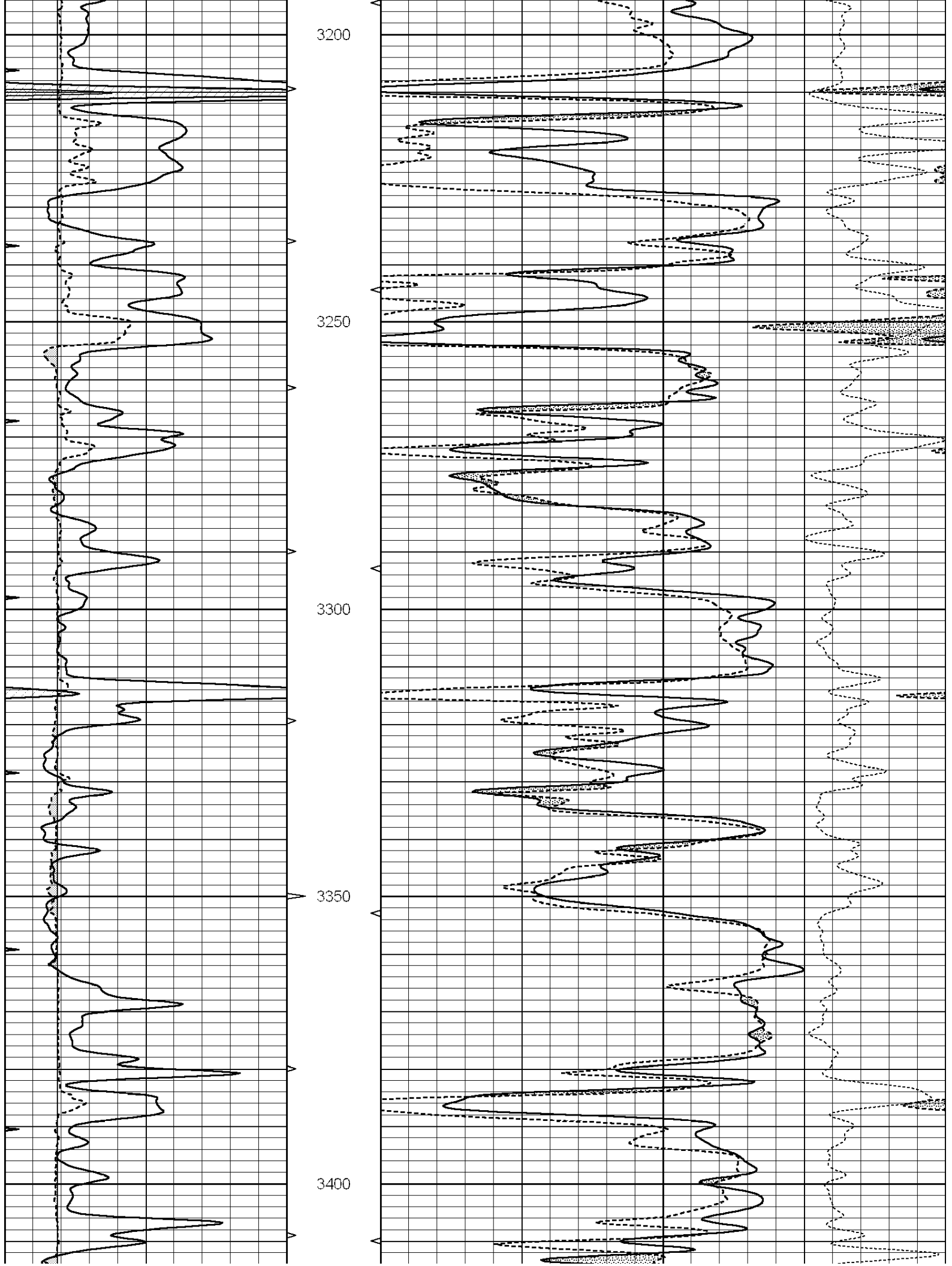
MAIN SECTION

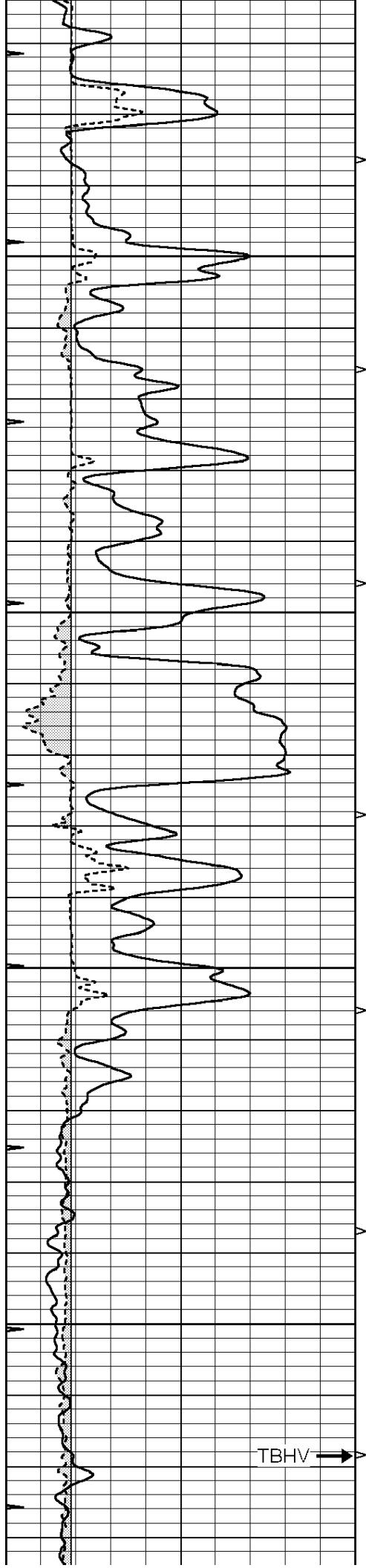
Database File: 2489ddn.db
Dataset Pathname: pass3.3
Presentation Format: den_neu
Dataset Creation: Thu May 03 20:37:31 2018
Charted by: Depth in Feet scaled 1:240

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		









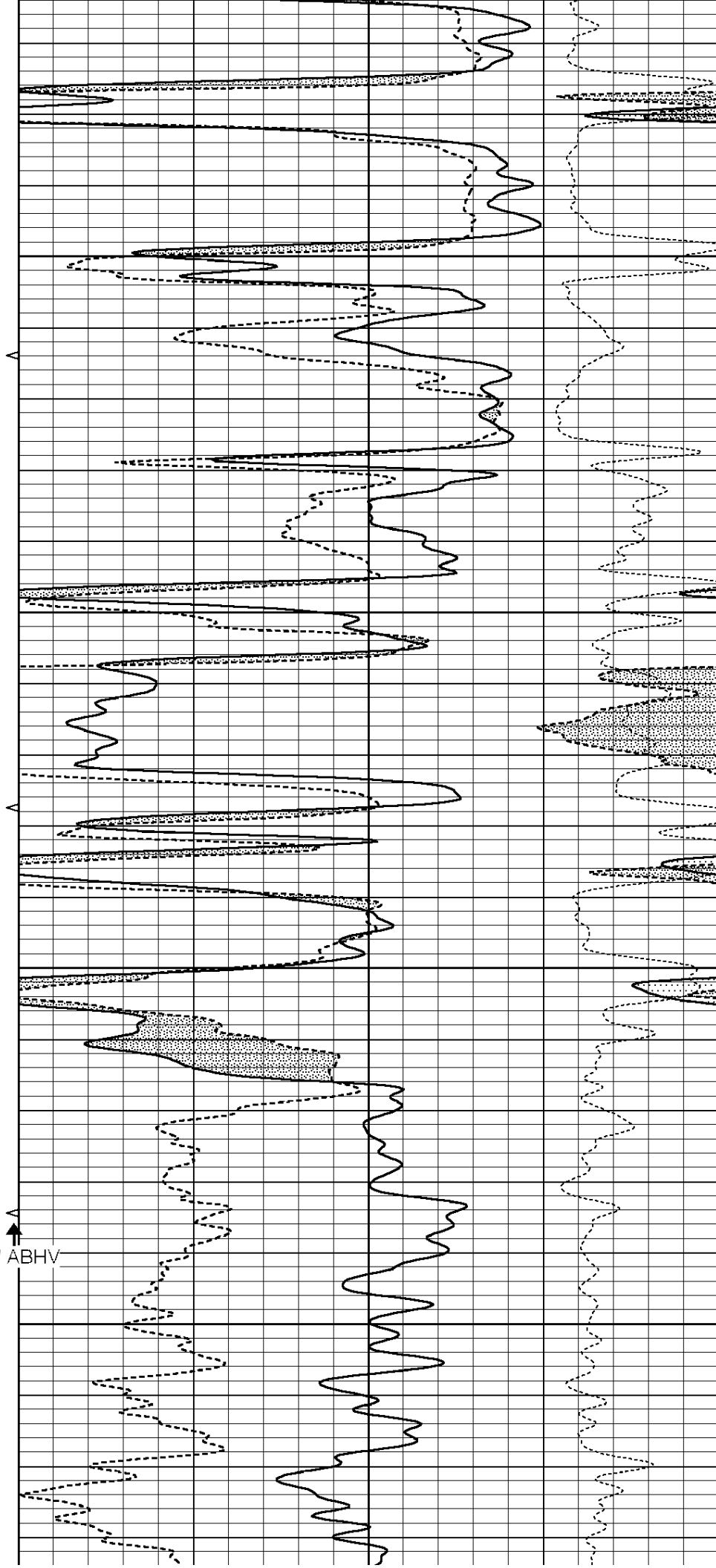
3450

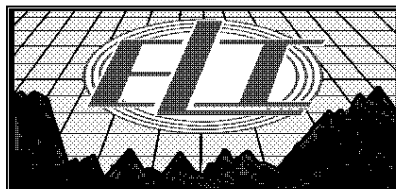
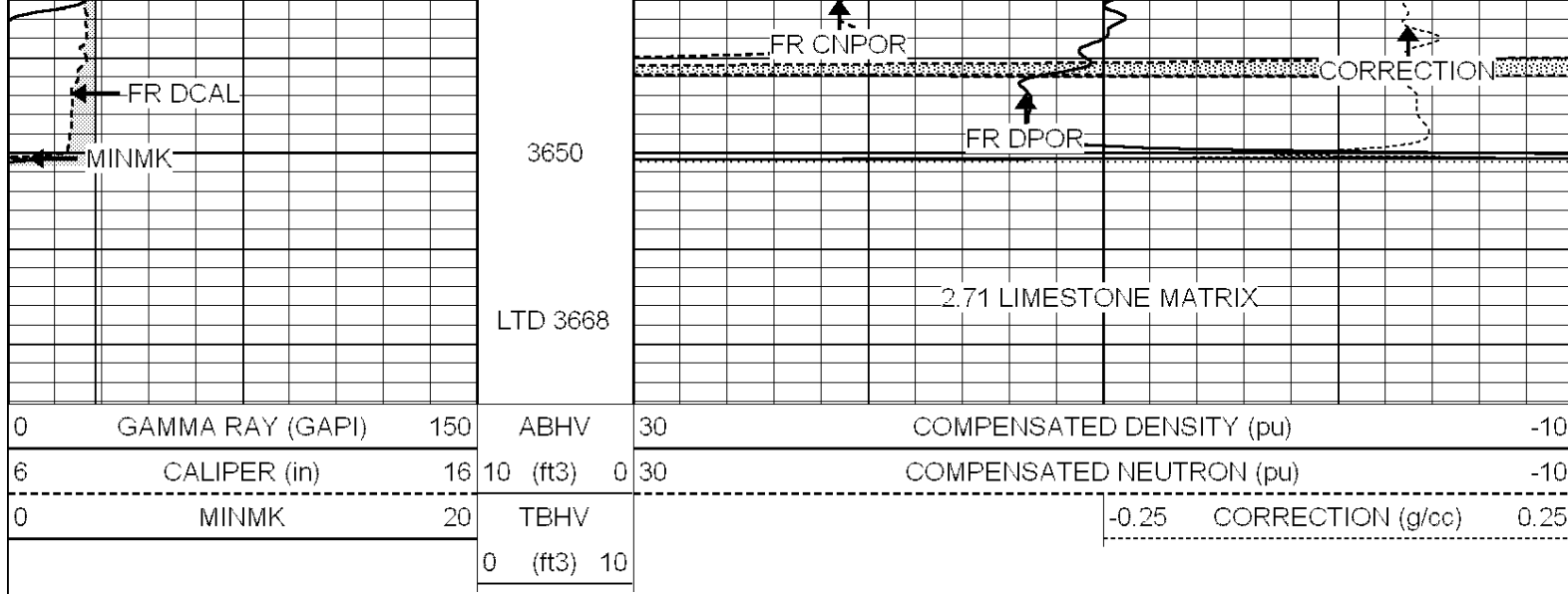
3500

3550

5.5" ABHV

3600

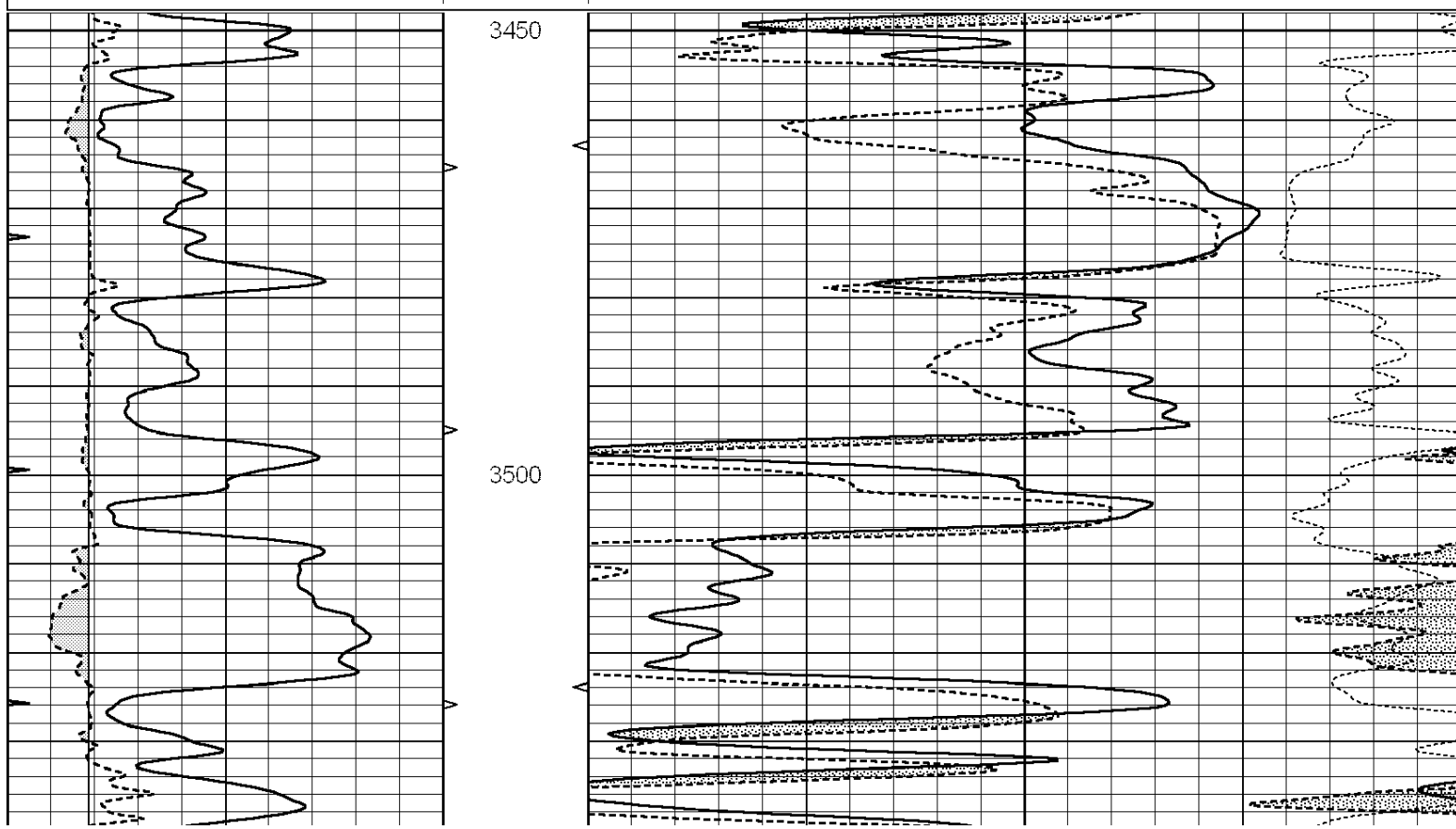


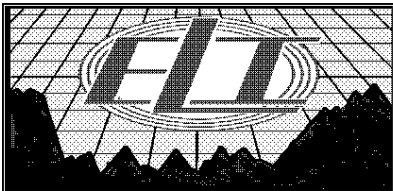
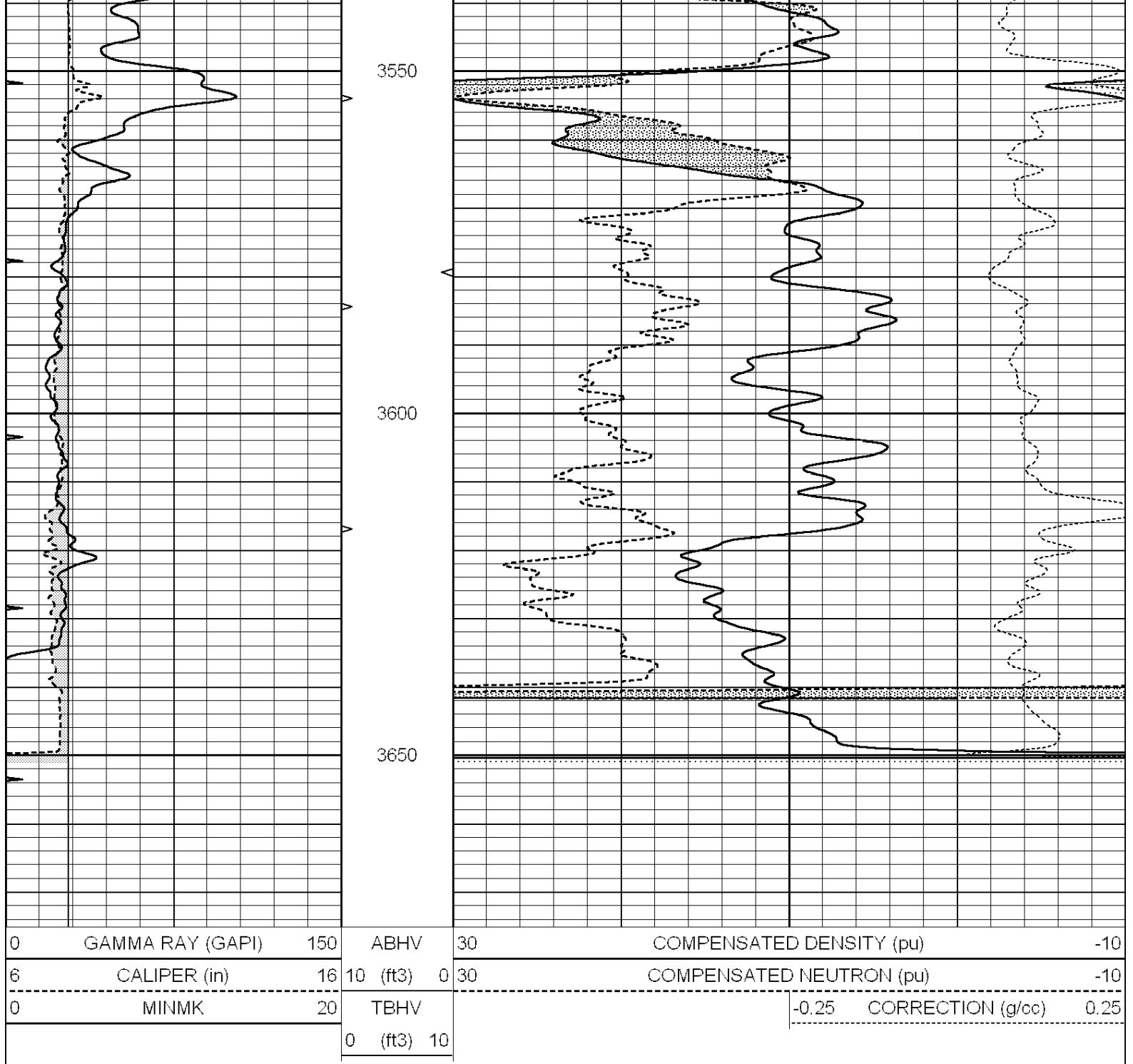


REPEAT SECTION

Database File: 2489ddn.db
 Dataset Pathname: pass2.4
 Presentation Format: den_neu
 Dataset Creation: Thu May 03 19:30:38 2018 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

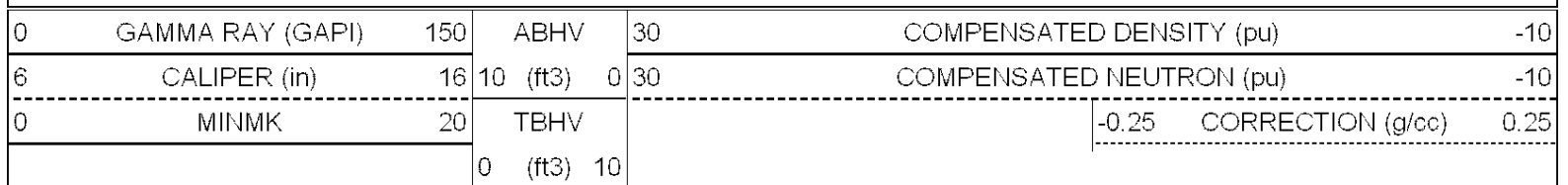
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)			-10
-----			-----					
0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3) 10		-----			

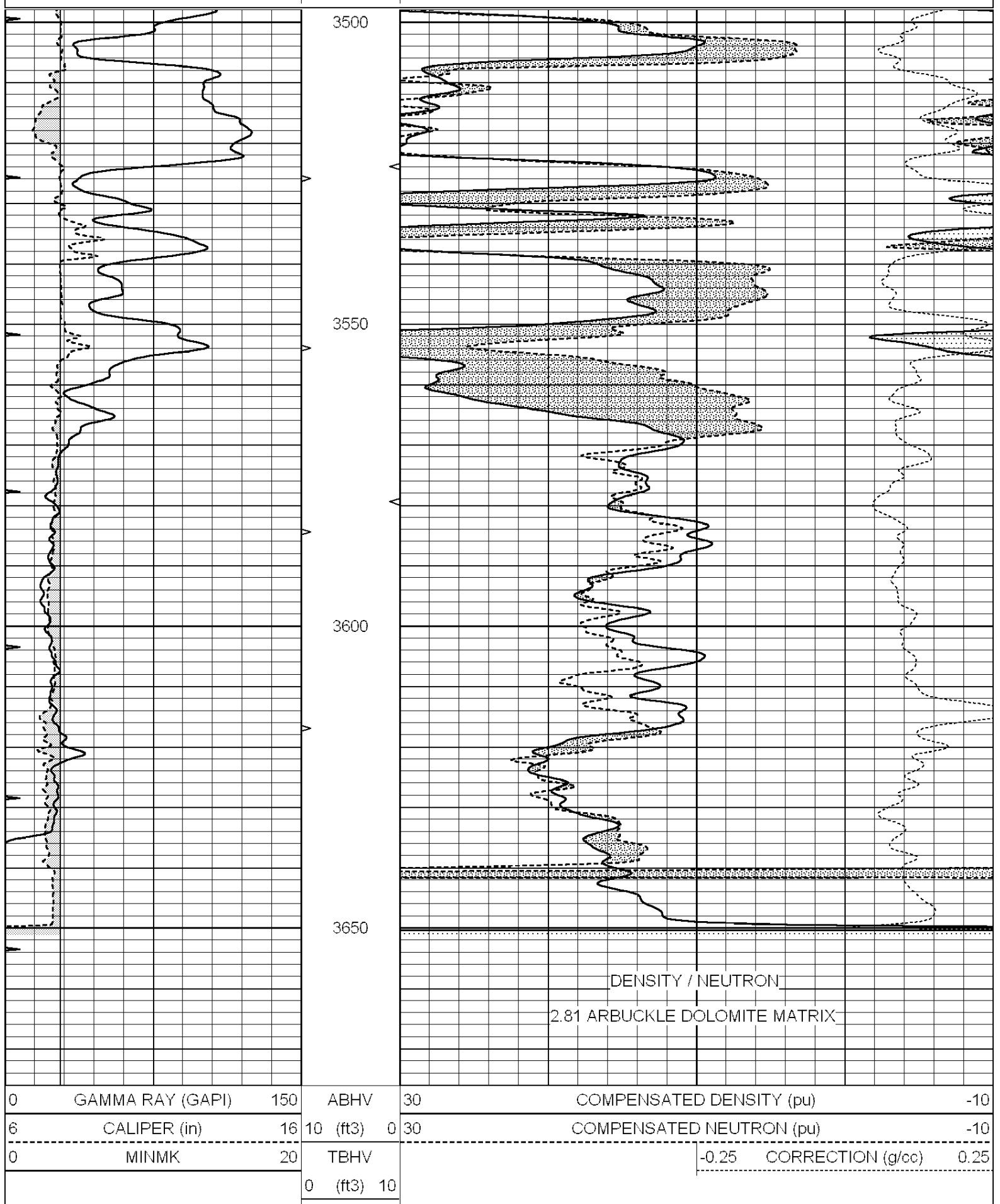




DOLOMITE MATRIX

Database File: 2489ddn.db
 Dataset Pathname: pass2.4D
 Presentation Format: den_neu
 Dataset Creation: Thu May 03 19:32:13 2018
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 1598ddn.db
Dataset Pathname: pass4
Dataset Creation: Wed Aug 30 02:13:00 2017 by Log SOC 120430

Dual Induction Calibration Report								
Serial-Model:			PROBE7-DILG					
Surface Cal Performed:			Wed Aug 30 00:06:33 2017					
Downhole Cal Performed:			Mon Jul 28 12:02:56 2008					
After Survey Verification Performed:			Mon Jul 28 12:02:56 2008					

Surface Calibration								
Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	620.000	0.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	675.000	-44.000
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: 002			Model: PRB					

Master Calibration					Performed Mon Aug 21 11:27:42 2017			
	Background	Magnesium	Aluminum	Sandstone				
Window 1	837.1	10632.5	2945.1	12110.1	cps			
Window 2	772.0	9117.4	2570.1	10197.3	cps			
Window 3	631.7	4669.0	1481.9	5042.9	cps			
Window 4	187.0	187.5	185.9	189.9	cps			
Long Space	0.0	8345.4	1798.1	9425.3	cps			
Short Space	1.1	1927.9	1285.9	2050.2	cps			
Rho		1.7100	2.5960	1.3800	g/cc			
Pe		0.0000	2.5700	1.5500				
Rib Angle	: 45.2	Rib Slope	: 1.008	Density/Spine Ratio	: 0.558			
Spine Angle	: 75.2	Spine Slope	: 3.790	Spine Intercept	: -19.6			

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:	070808
Tool Model:	Probe

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 May 31 00:09:32 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2800	GAPI/cps