



**COMPENSATED
DENSITY/NEUTRON
LOG**

Company JASPAR CO. INC.
Well LARRY #2
Field WANKER
County ROOKS State KANSAS

Location: API #: 15-163-24450-0000
330' FSL & 1650' FEL
SE/SW/SE
SEC 20 TWP 9S RGE 19W
Permanent Datum GROUND LEVEL Elevation 2167
Log Measured From KELLY BUSHING 7' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services DIL/MEL
Elevation
K.B. 2174
D.F. 2172
G.L. 2167

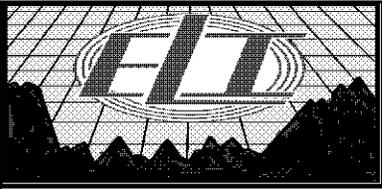
Date	4/19/22		
Run Number	ONE		
Depth Driller	3700		
Depth Logger	3699		
Bottom Logged Interval	3675		
Top Log Interval	3050		
Casing Driller	8 5/8" @ 223		
Casing Logger	223		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2000 PPM	
Density / Viscosity	9.1/70		
pH / Fluid Loss	9.5/8.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.2 @ 70F		
Rmt @ Meas. Temp	.9 @ 70F		
Rmc @ Meas. Temp	1.44 @ 70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.74 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	113F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	TJ DREILING		
Witnessed By	CAMERON BRIN		

<<< 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

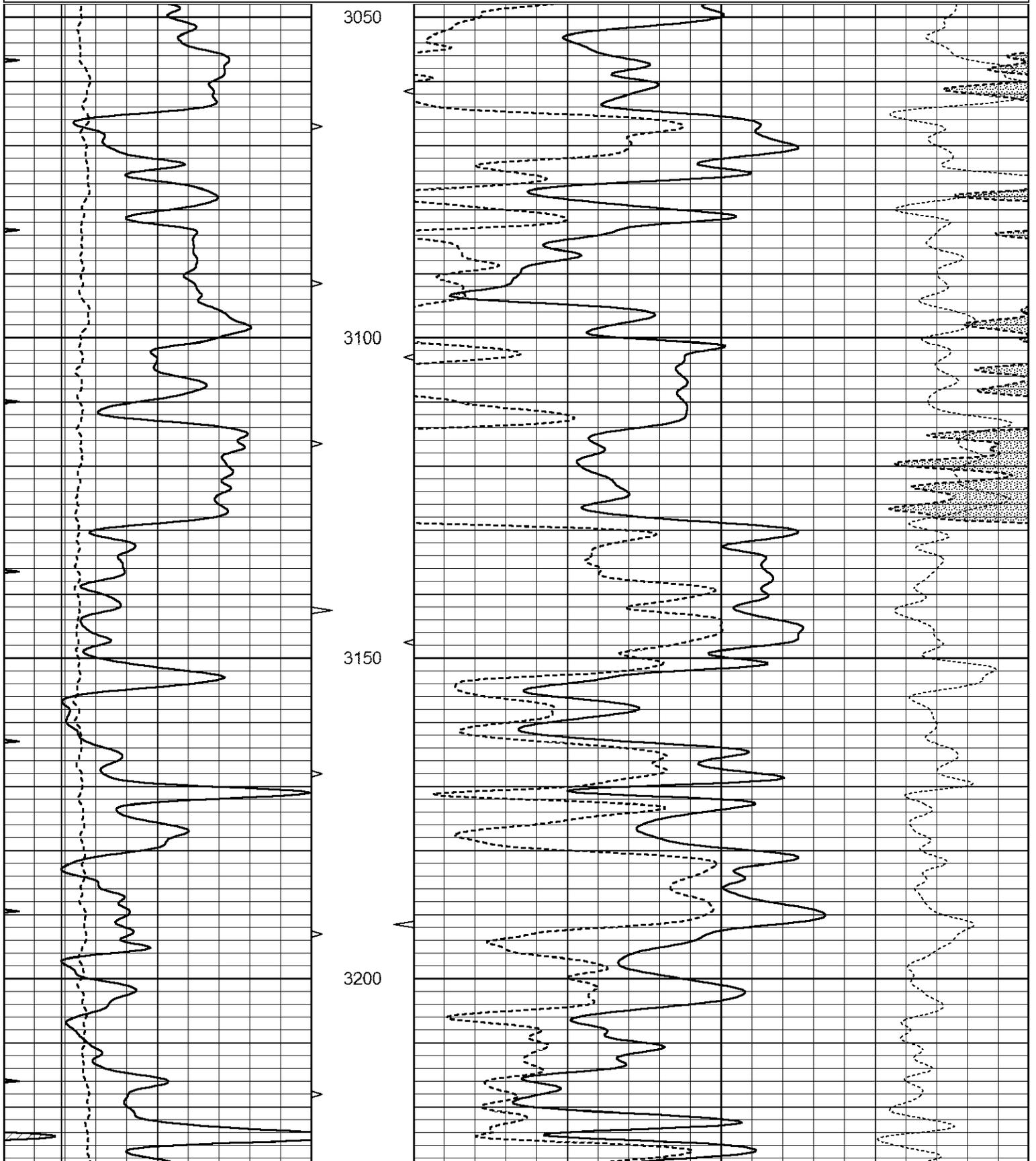
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
-ZURICH KANSAS, NORTH 1 MILE, -WEST 1-1/4 MILE,
-NORTH INTO BY TANK BATTERIES

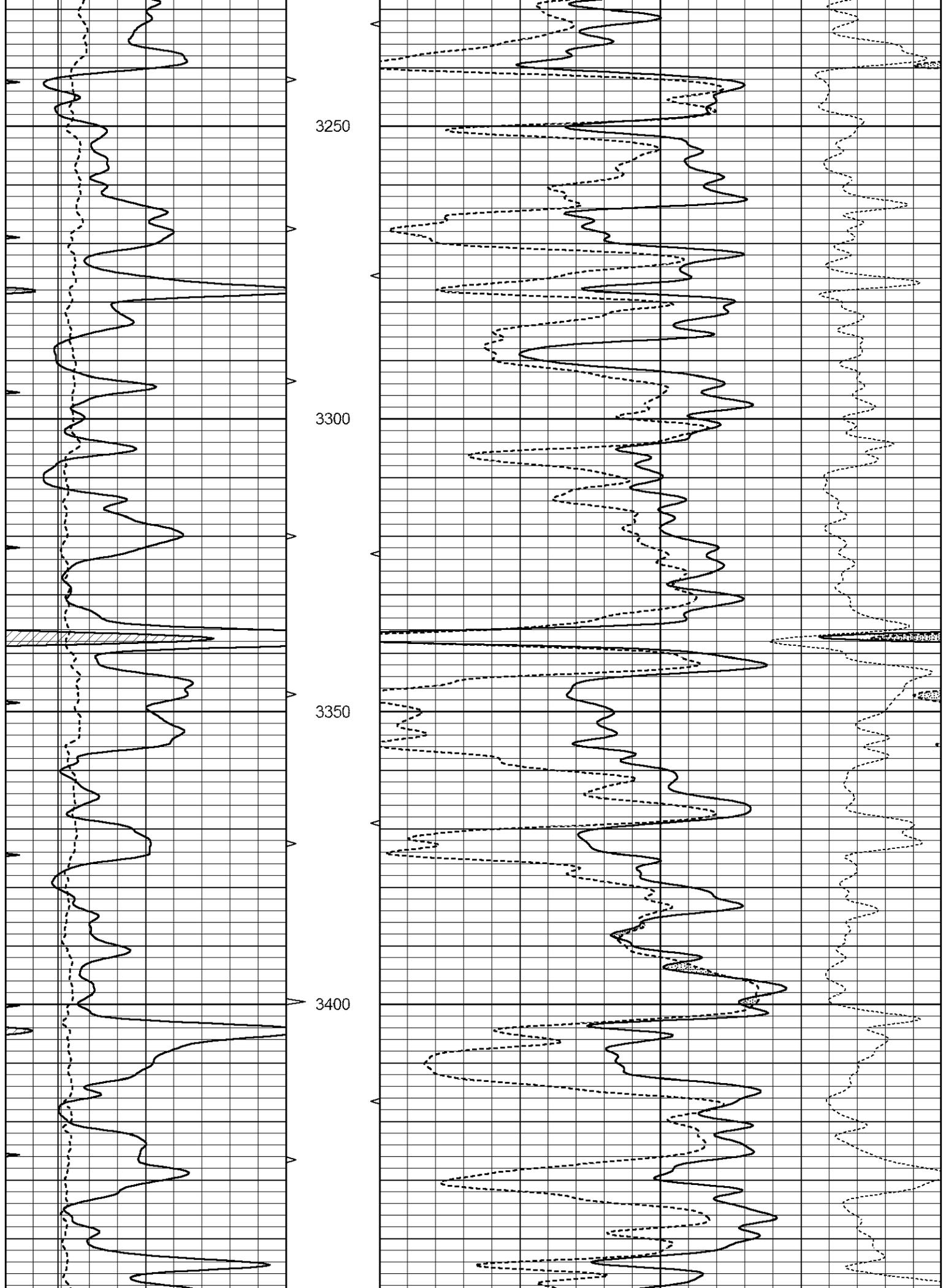


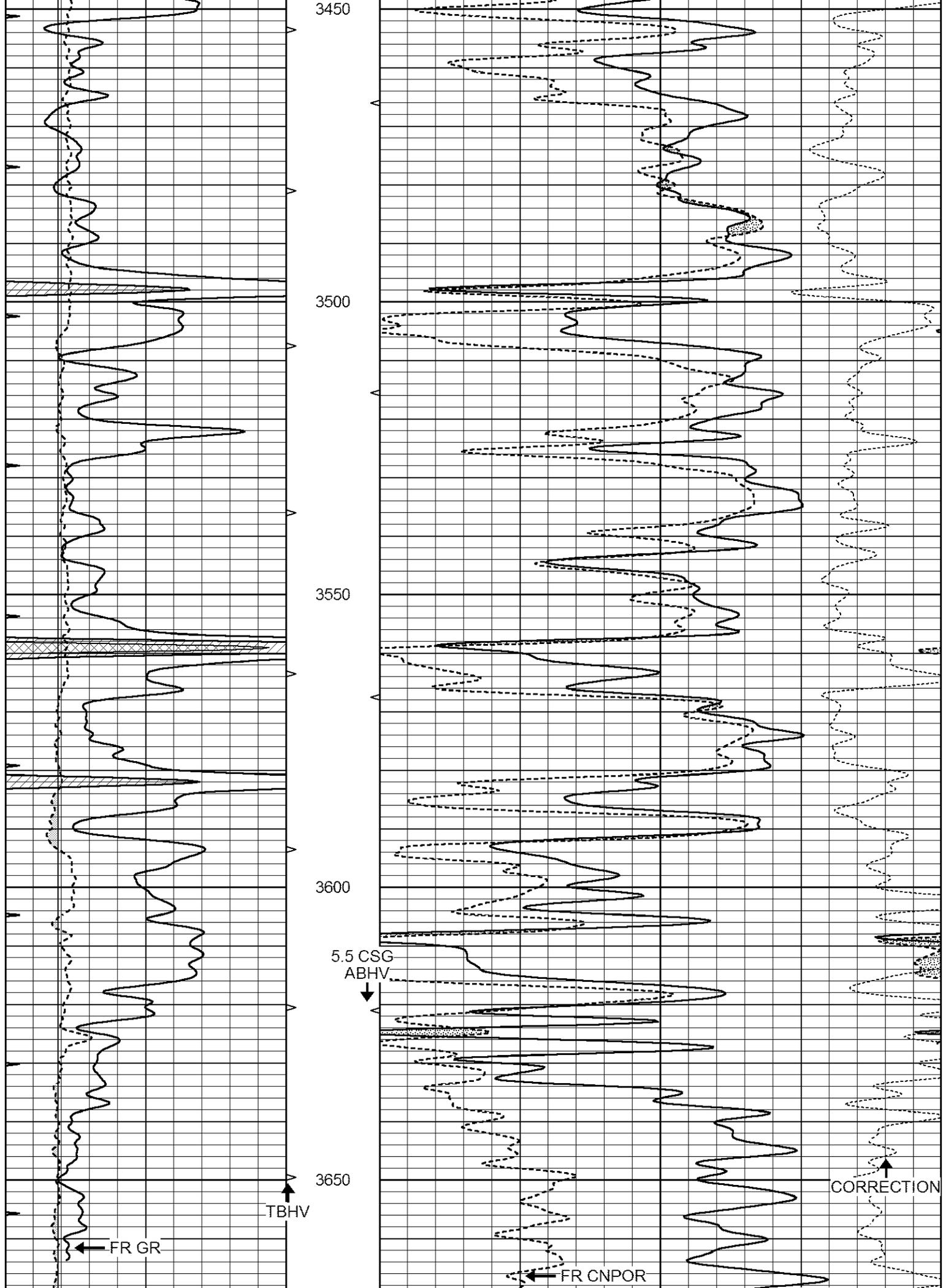
MAIN SECTION

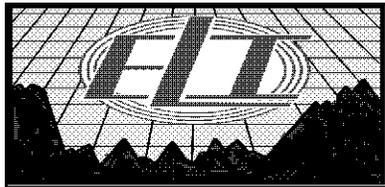
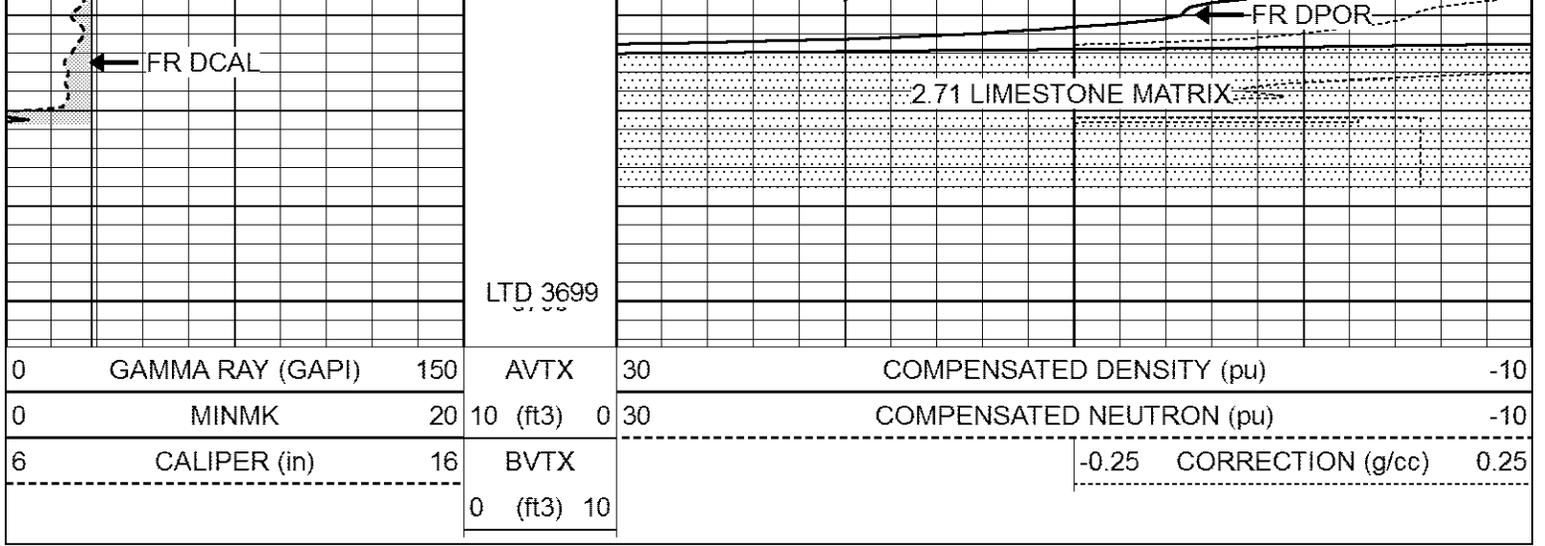
Database File 6389ddn.db
 Dataset Pathname pass3.1
 Presentation Format _den_neu
 Dataset Creation Wed Apr 20 00:56:16 2022
 Charted by Depth in Feet scaled 1:240

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			





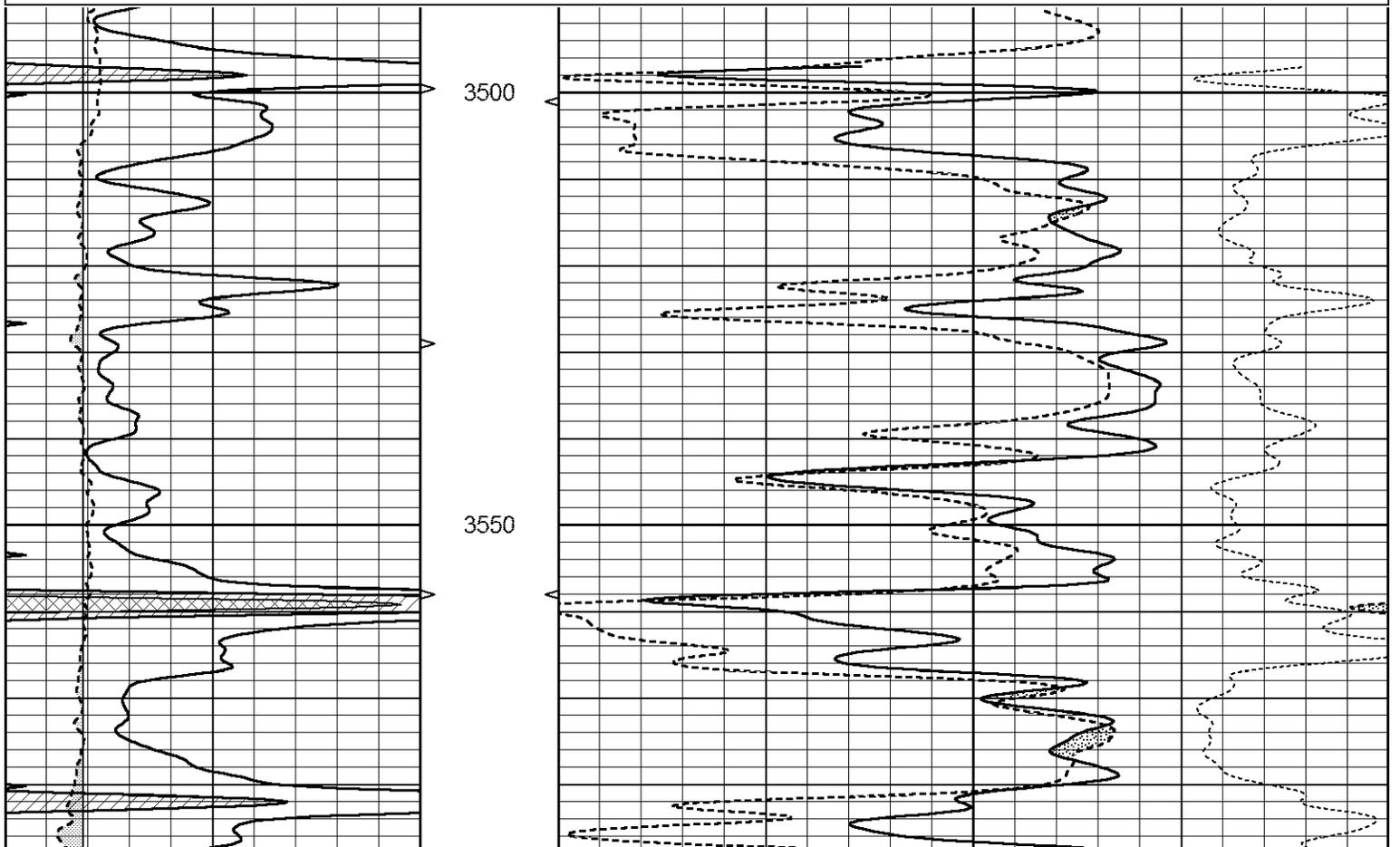


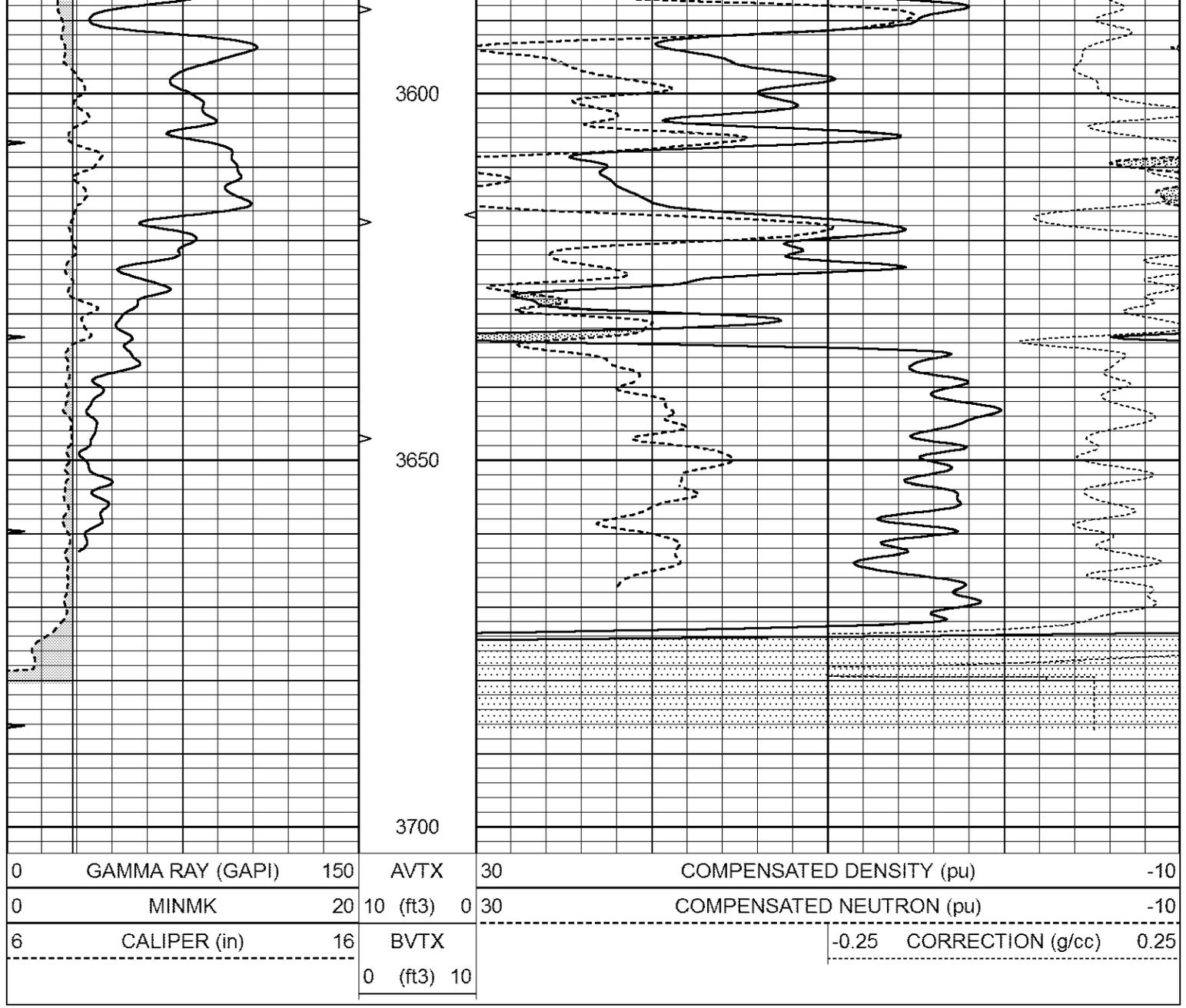


REPEAT SECTION

Database File 6389ddn.db
 Dataset Pathname pass2.1
 Presentation Format _den_neu
 Dataset Creation Wed Apr 20 00:49:40 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	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			

Calibration Report

Database File 6389ddn.db
 Dataset Pathname pass3.1
 Dataset Creation Wed Apr 20 00:56:16 2022

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
 Surface Cal Performed: Sat Jan 29 11:57:42 2022
 Downhole Cal Performed: Tue Feb 19 11:44:24 2019
 After Survey Verification Performed: Tue Feb 19 11:44:27 2019

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop	V	Air	Loop	mmho/m	m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	618.595	-5.524
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197
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: Fri Feb 18 15:41:27 2022			
	Background	Aluminum		Magnesium			
Window 1	515.75	5443.58		23734.91	cps		
Window 2	41.45	1226.32		5757.32	cps		
Window 4	224.78	1223.03		5315.97	cps		
Window 5	549.25	7983.61		15349.73	cps		
Window 6	43.12	1271.88		2496.98	cps		
Window 8	261.02	2595.65		4928.92	cps		
Bulk Density	-	2.6020		1.6830	g/cc		
Pe	-	3.0000		2.5070	b/e		
LS Alpha:	:-1.8571		SS Alpha:	:-0.7875		LS CPE:	: 1.1396
LS Beta:	: 128618.9672		SS Beta:	: 18780.4869		SS CPE:	: 1.5966

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			

Results		Readings		References (in)		Gain	Offset
Low	High	Low	High				
8107.9	11082.1	8.0	14.0			0.0	-7.4

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: Tue Jan 19 17:50:08 2021

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.5300 GAPI/cps