

COMPENSATED
DENSITY/NEUTRON
LOG

Company	JASPAR COMPANY, INC.	Company	JASPAR COMPANY, INC.
Well	BJW #4	Well	BJW #4
Field	EDGAR SOUTHWEST	Field	EDGAR SOUTHWEST
County	ROOKS	County	ROOKS
State	KANSAS	State	KANSAS
Location:	API # : 15-163-24485-0000	Other Services	
Permanent Datum	SEC 10 TWP 6S RGE 20W	DIL/MEL SONIC	
Log Measured From	GROUND LEVEL Elevation 2159	Elevation	
Drilling Measured From	KELLY BUSHING 7' A.G.L KELLY BUSHING	K.B. 2166 D.F. 2164 G.L. 2159	
Date	7/17/23		
Run Number	ONE		
Depth Driller	3650		
Depth Logger	3644		
Bottom Logged Interval	3620		
Top Log Interval	3000		
Casing Driller	8 5/8 @ 218		
Casing Logger	218		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 900 PPM	
Density / Viscosity	9.2/58		
pH / Fluid Loss	11/7.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.40 @ 74F		
Rmt @ Meas. Temp	1.05 @ 74F		
Rmc @ Meas. Temp	1.68 @ 74F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.917 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	8:30 P.M.		
Maximum Recorded Temperature	113F		
Equipment Number	8916		
Location	HAYS, KANSAS		
Recorded By	COLE ROBEN		
Witnessed By	CAMERON BRIN		

<<< Fold Here >>>

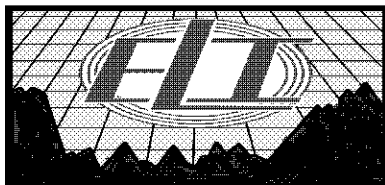
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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:

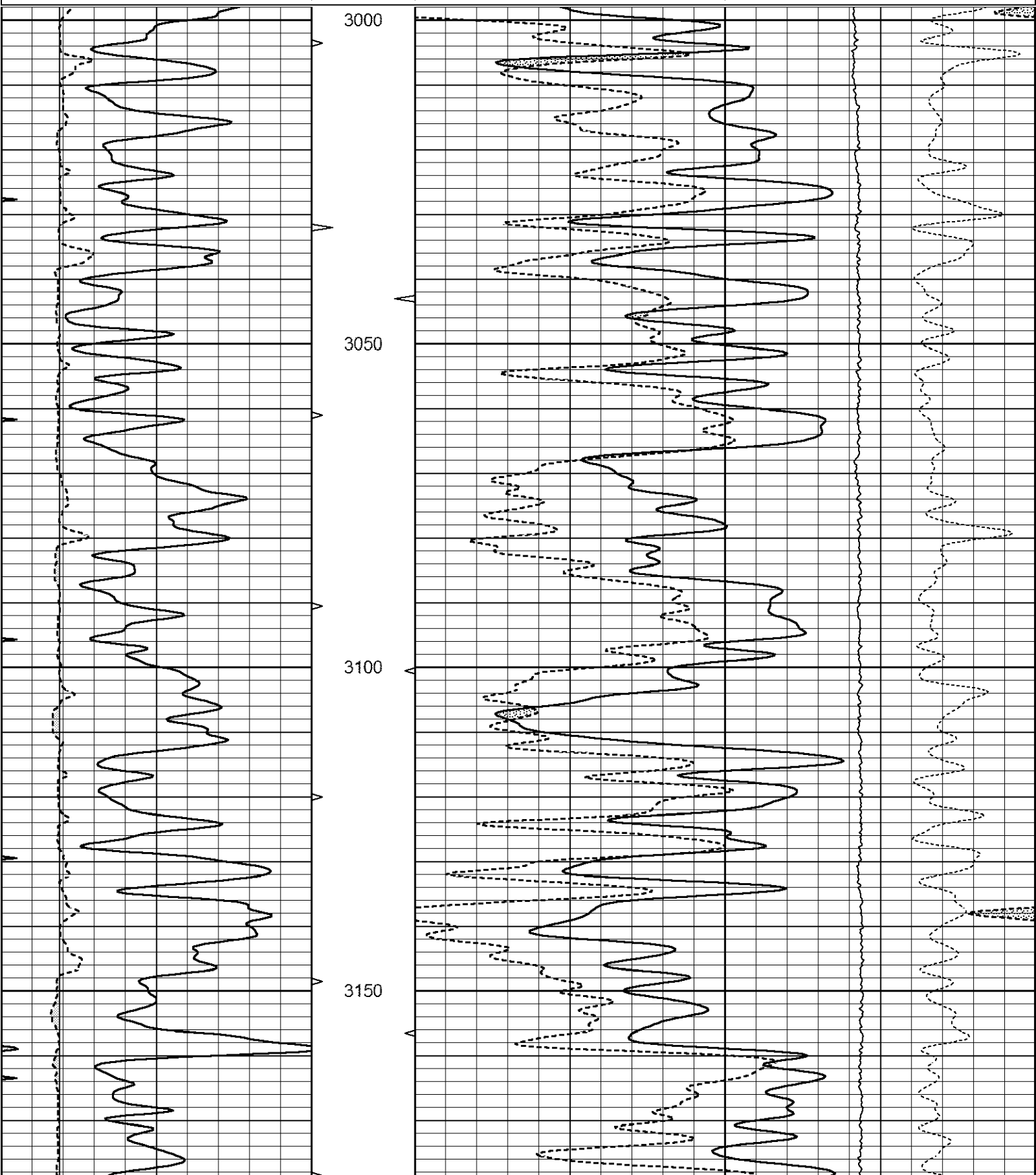
NINE MILES NORTH OF STOCKTON, KANSAS TO 'A' ROAD, WEST THIRTEEN MILES ON 'A' ROAD TO 5 ROAD, SOUTH ON 5 ROAD ONE MILE AND A HALF, WEST INTO

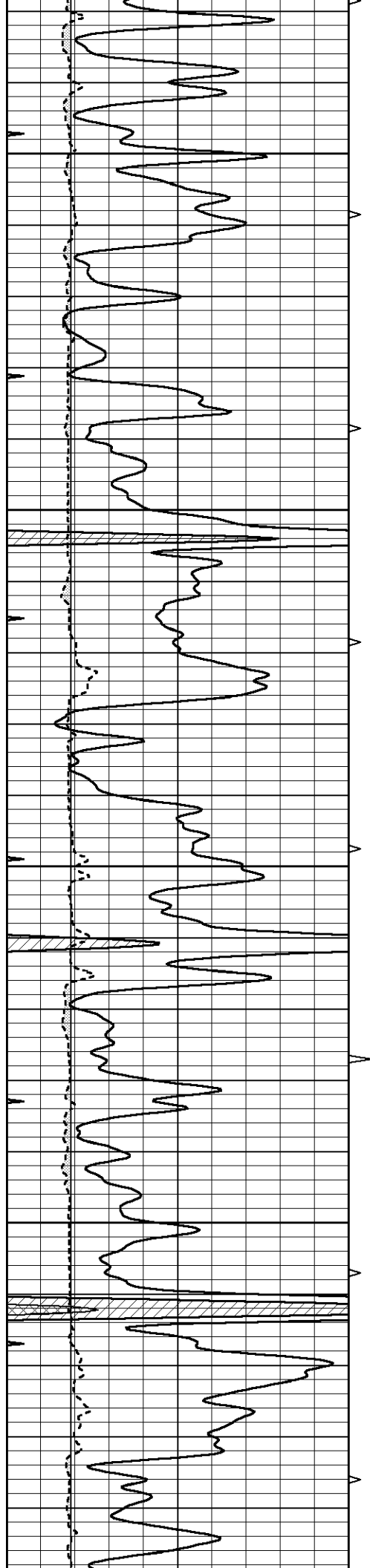


MAIN SECTION

Database File	7704ddn.db
Dataset Pathname	pass3D
Presentation Format	_den_neu
Dataset Creation	Mon Jul 17 21:34:19 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



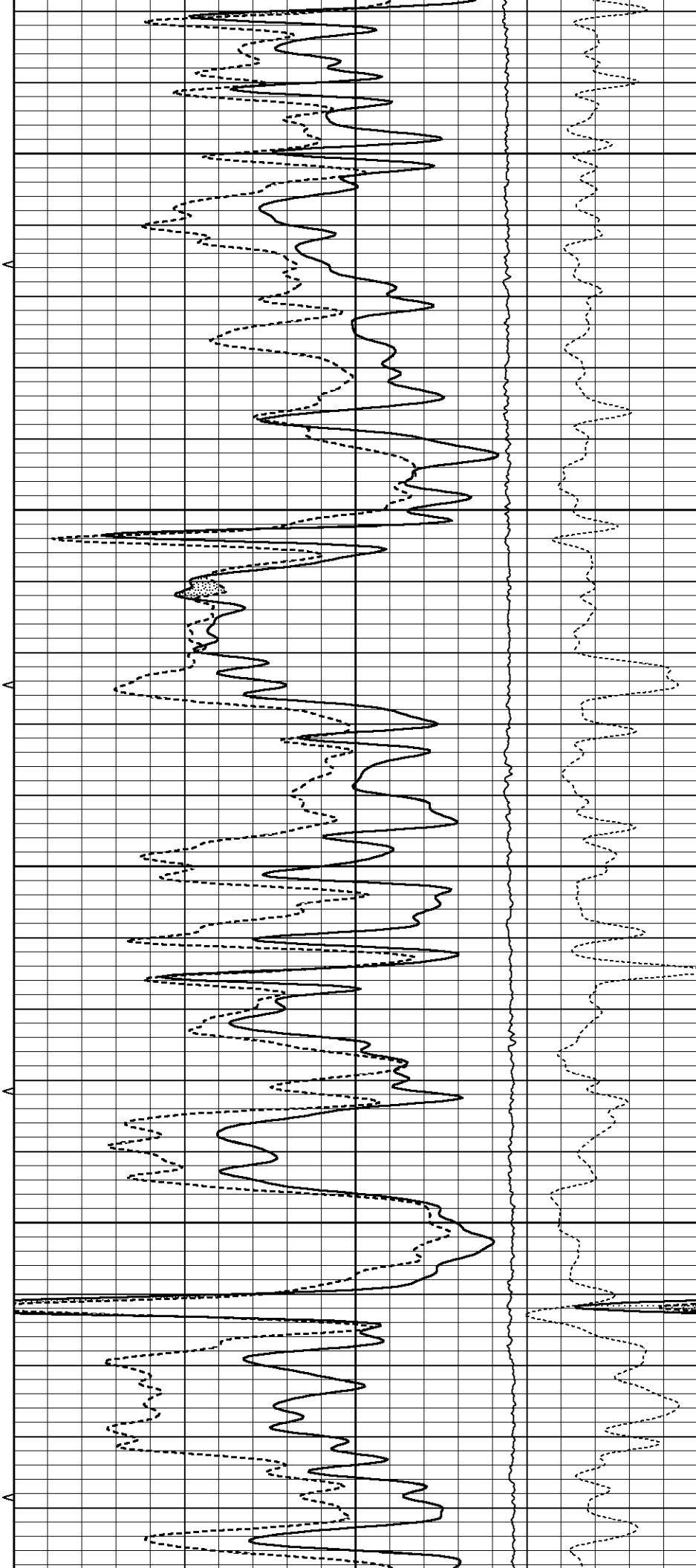


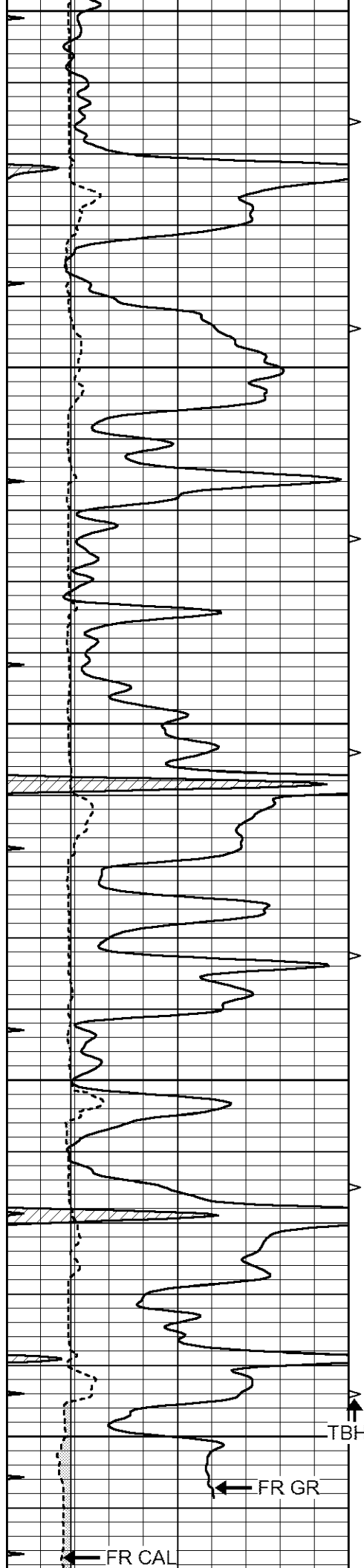
3200

3250

3300

3350





3400

3450

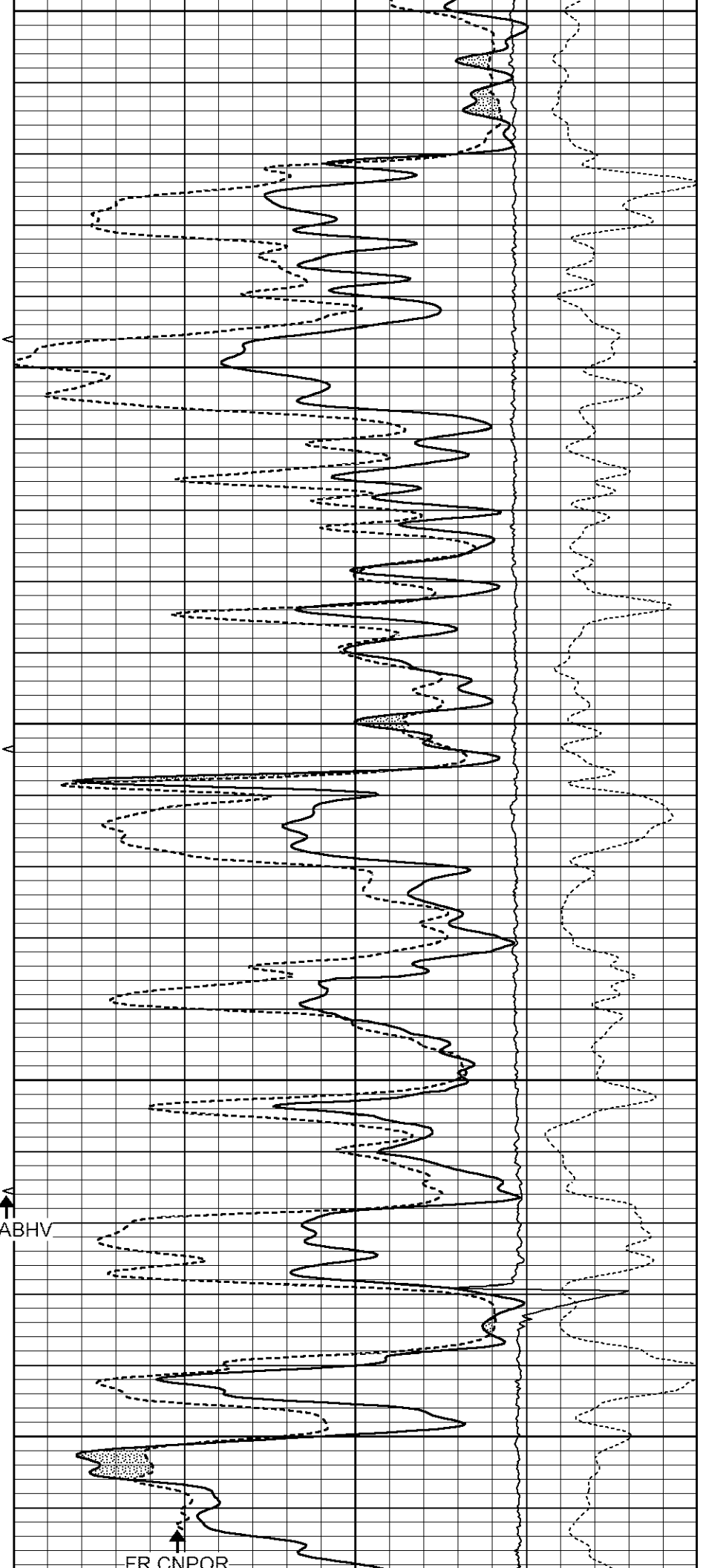
3500

3550

TBHV 3600

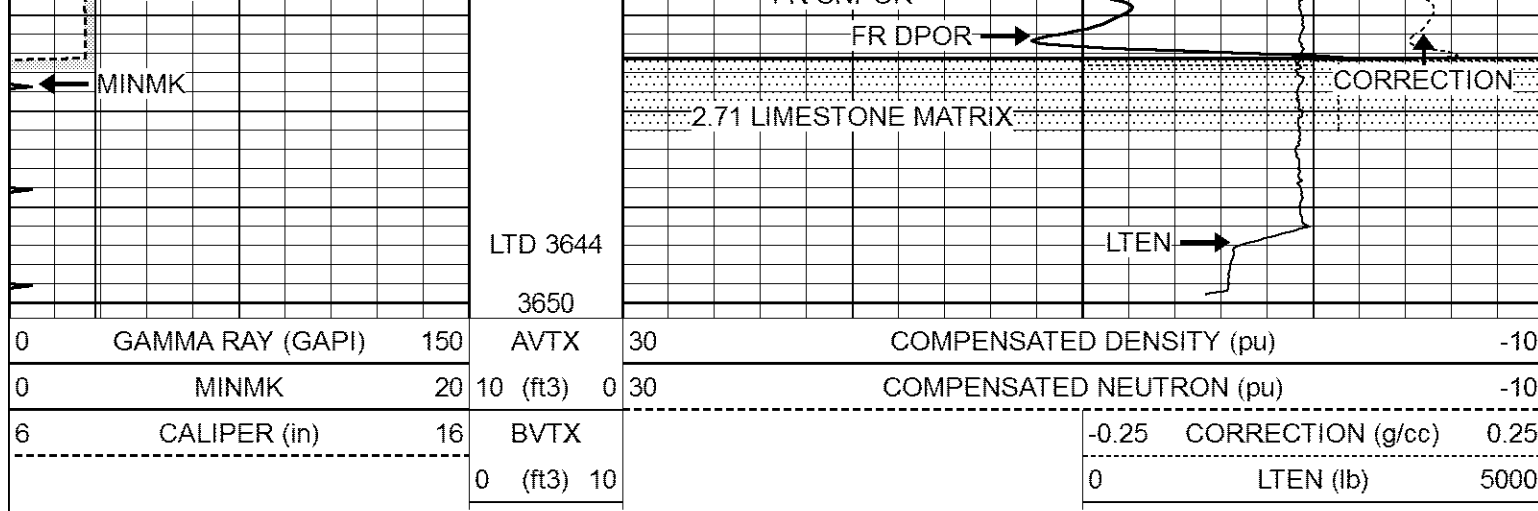
FR GR

FR CAL



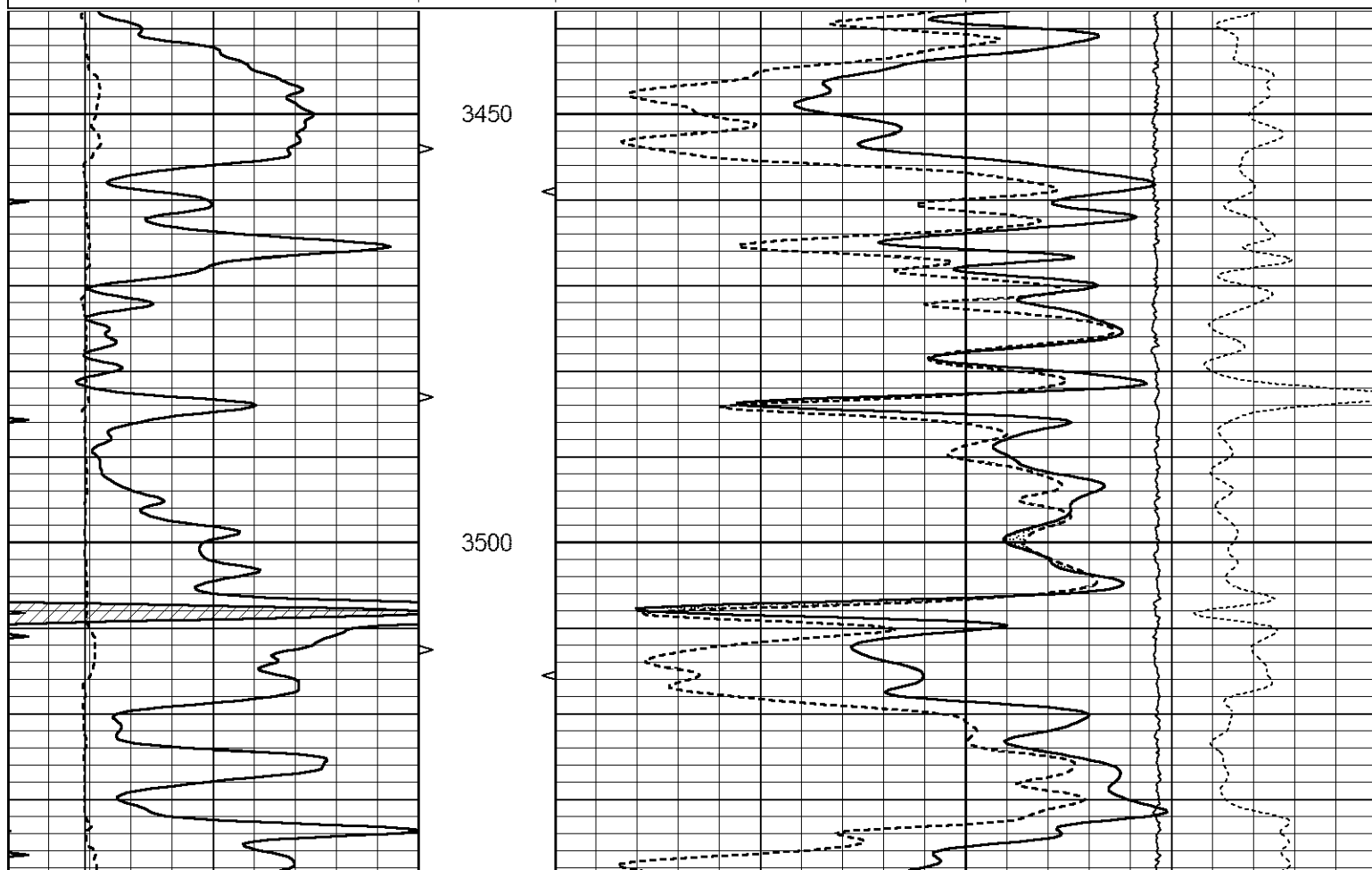
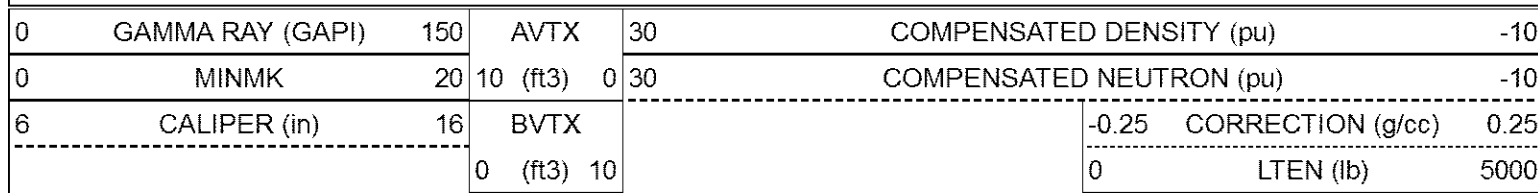
5.5" ABHV

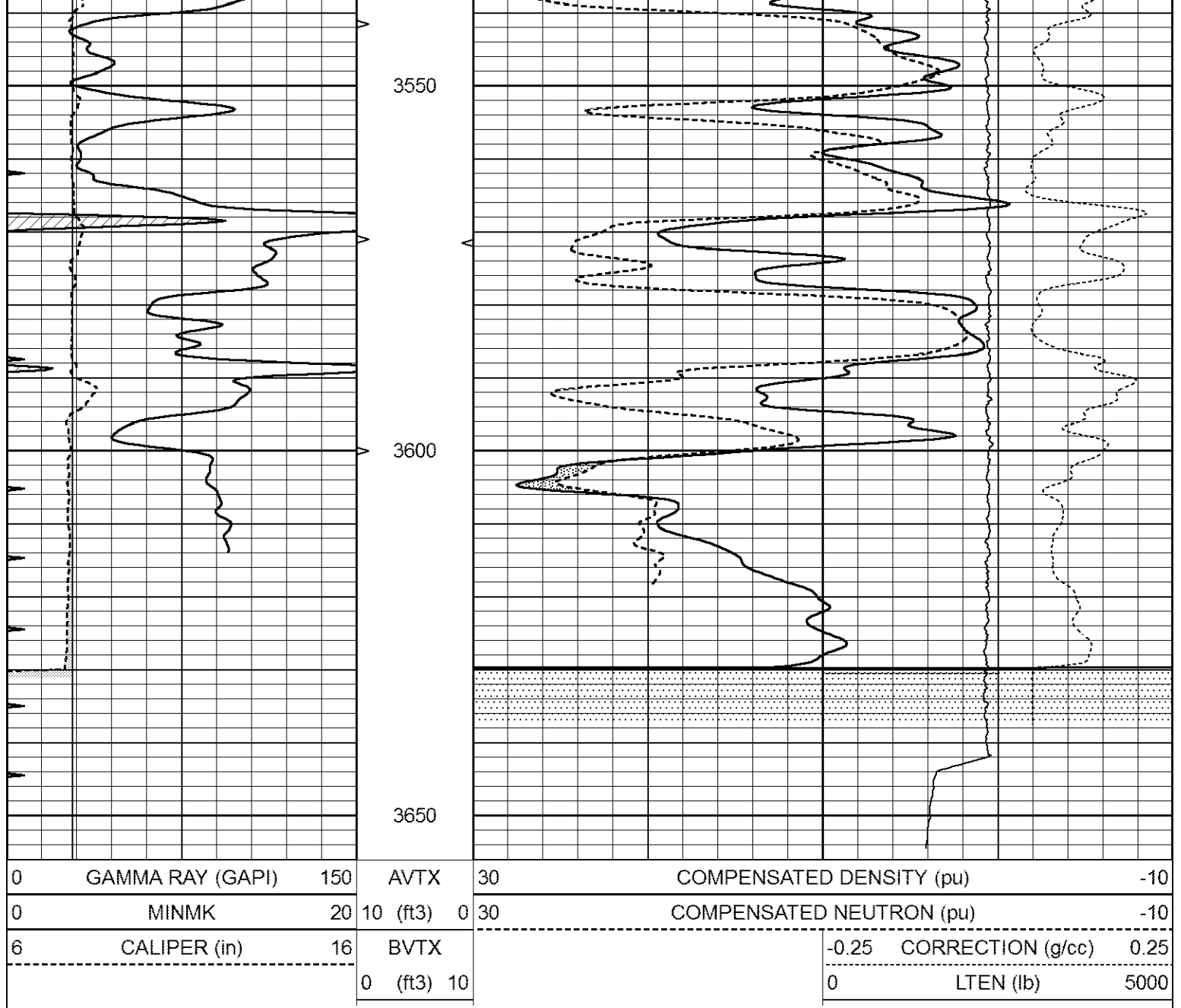
FR CNPOR



REPEAT SECTION

Database File 7704ddn.db
 Dataset Pathname pass2R
 Presentation Format _den_neu
 Dataset Creation Mon Jul 17 21:42:10 2023
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File 7704ddn.db
Dataset Pathname pass3D
Dataset Creation Mon Jul 17 21:34:19 2023

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
Surface Cal Performed: Thu Jun 15 08:08:21 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	550.000	-8.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-15.000
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: 140704								
Model: V4_10P								
Source Number: 74GBq-19								
Master Calibration					Performed: Fri May 12 10:26:47 2023			
	Background	Aluminum	Magnesium					
Window 1	521.46	5212.91	23528.37	cps				
Window 2	43.81	1175.90	6160.42	cps				
Window 4	226.45	1217.97	4891.35	cps				
Window 5	519.17	8959.34	17037.10	cps				
Window 6	39.35	1453.85	2926.68	cps				
Window 8	253.66	2919.24	5361.51	cps				
Bulk Density	-	2.6020	1.6830	g/cc				
Pe	-	3.0000	2.5070	b/e				
LS Alpha:	: -1.7699	SS Alpha:	: -0.7448	LS CPE:		: 1.1844		
LS Beta:	: 101708.6271	SS Beta:	: 19263.5258	SS CPE:		: 1.5835		
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: Fri May 12 10:26:47 2023		
Results	Readings		References (in)			
	Low	High	Low	High	Gain	Offset
	7228.5	10151.9	8.0	14.0	0.0	-7.2
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:		Mon Jul 17 10:16:28 2023				
Calibrator Value:		1.0		GAPI		
Background Reading:		0.0		cps		
Calibrator Reading:		1.0		cps		
Sensitivity:		0.4600		GAPI/cps		