

RADIATION GUARD LOG

Company	BLAKE EXPLORATION, LLC.	Company	BLAKE EXPLORATION, LLC.
Well	LESAGE #1	Well	LESAGE #1
Field	LESAGE WEST	Field	LESAGE WEST
County	GRAHAM	County	GRAHAM
State	KANSAS	State	KANSAS
Location:	API # : 26-065-24239-0000 2105' FSL & 910' FEL SE - NW - NE - SE	Other Services	
Permanent Datum	GROUND LEVEL Elevation	Elevation	
Log Measured From	KELLY BUSHING 8' A.G.L	K.B. 2112	
Drilling Measured From	KELLY BUSHING	D.F. 2110	
		G.L. 2104	
Date	3/22/23		
Run Number	ONE		
Depth Driller	3610		
Depth Logger	3604		
Bottom Logged Interval	3602		
Top Log Interval	3000		
Casing Driller	8 5/8" @ 220		
Casing Logger	220		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,200 PPM	
Density / Viscosity	8.8/52		
pH / Fluid Loss	10.5/6.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.40 @ 75F		
Rmf @ Meas. Temp	1.05 @ 75F		
Rmc @ Meas. Temp	1.68 @ 75F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.938 @ 112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	10:00 A.M.		
Maximum Recorded Temperature	112F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	MICHAEL DAVIGNON		

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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

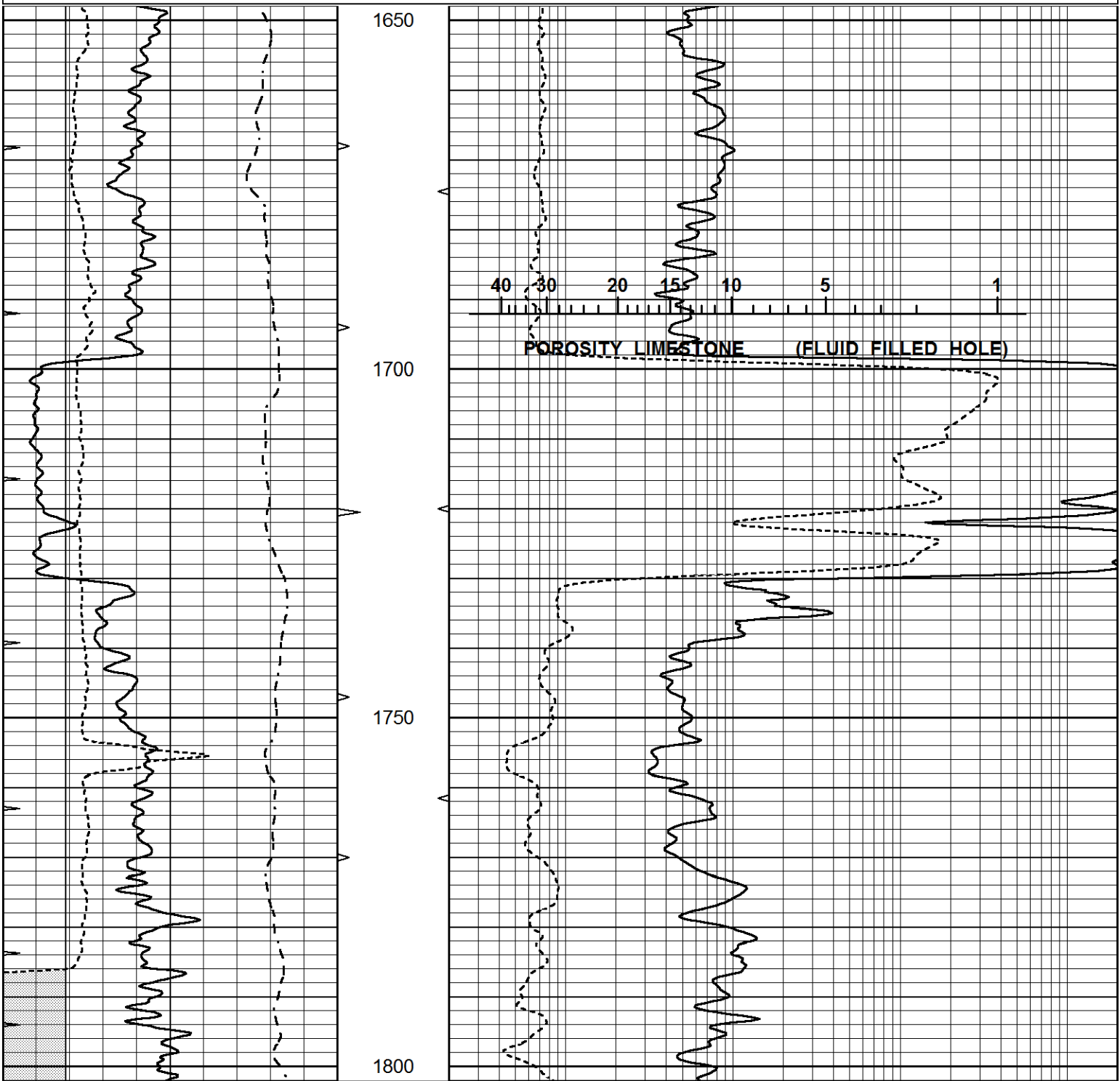
DIRECTIONS:

FROM NICODEMUS, KANSAS GO 4 MILES NORTH, 1 MILE EAST, 1/2 MILE NORTH, EAST INTO



ANHYDRITE

0	GAMMA RAY (GAPI)	150	ABHV	GUARD	
6	CALIPER (in)	16	10 (ft3) 0	NEUTRON	
-100	SP (mV)	100	TBHV		
			0 (ft3) 10		



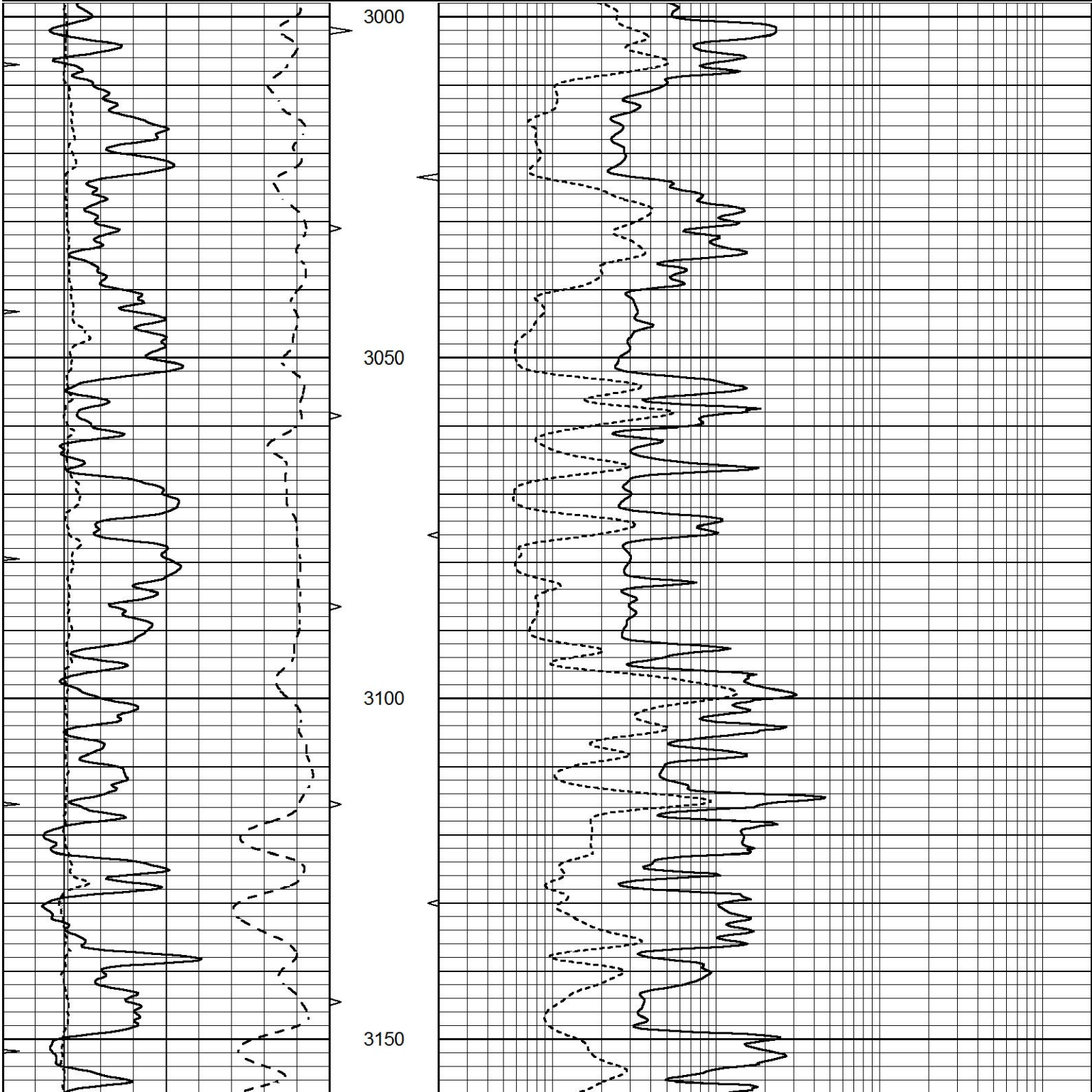
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6	CALIPER (in)	16	10 (ft3) 0	NEUTRON	
-100	SP (mV)	100	TBHV		
			0 (ft3) 10		

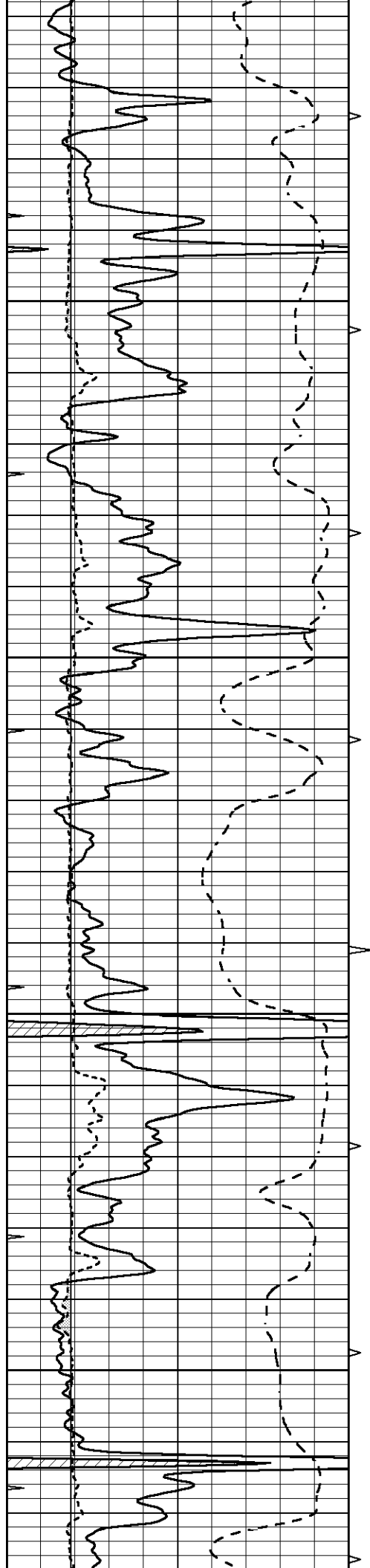


MAIN SECTION

Database File 7660ddn.db
Dataset Pathname pass3.1
Presentation Format _ragstk
Dataset Creation Wed Mar 22 10:42:14 2023
Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV		GUARD
6	CALIPER (in)	16	10 (ft3)	0	NEUTRON
-100	SP (mV)	100	TBHV		
			0 (ft3)	10	



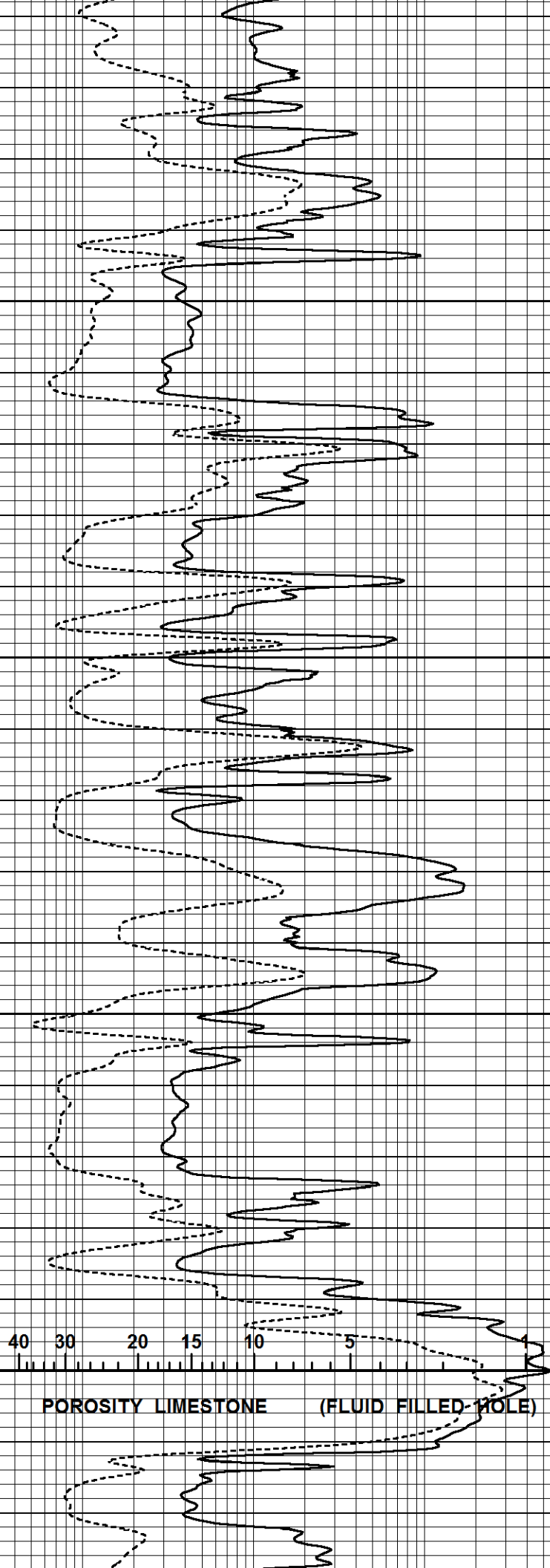


3200

3250

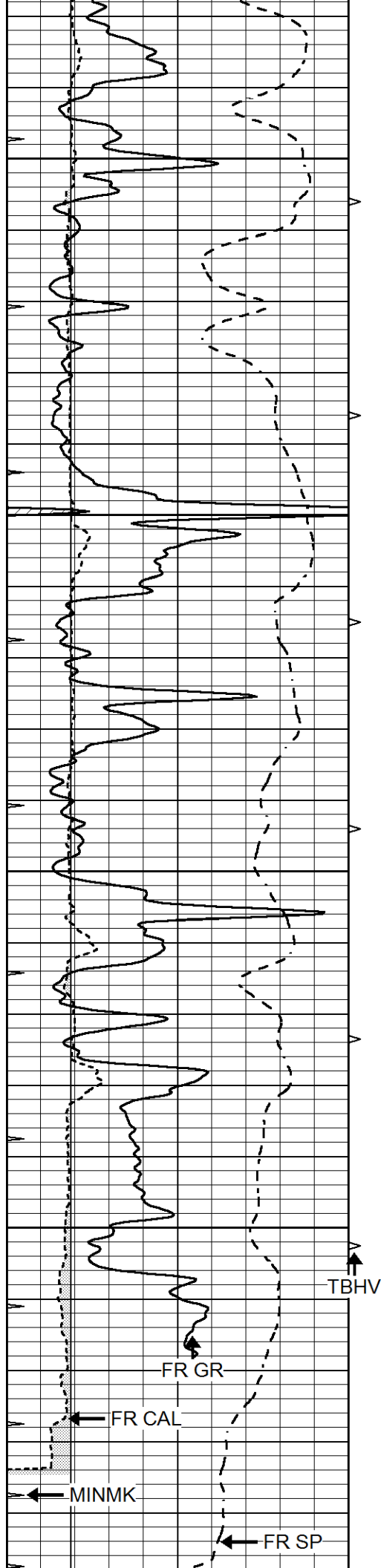
3300

3350



40 30 20 15 10 5

POROSITY LIMESTONE (FLUID FILLED HOLE)



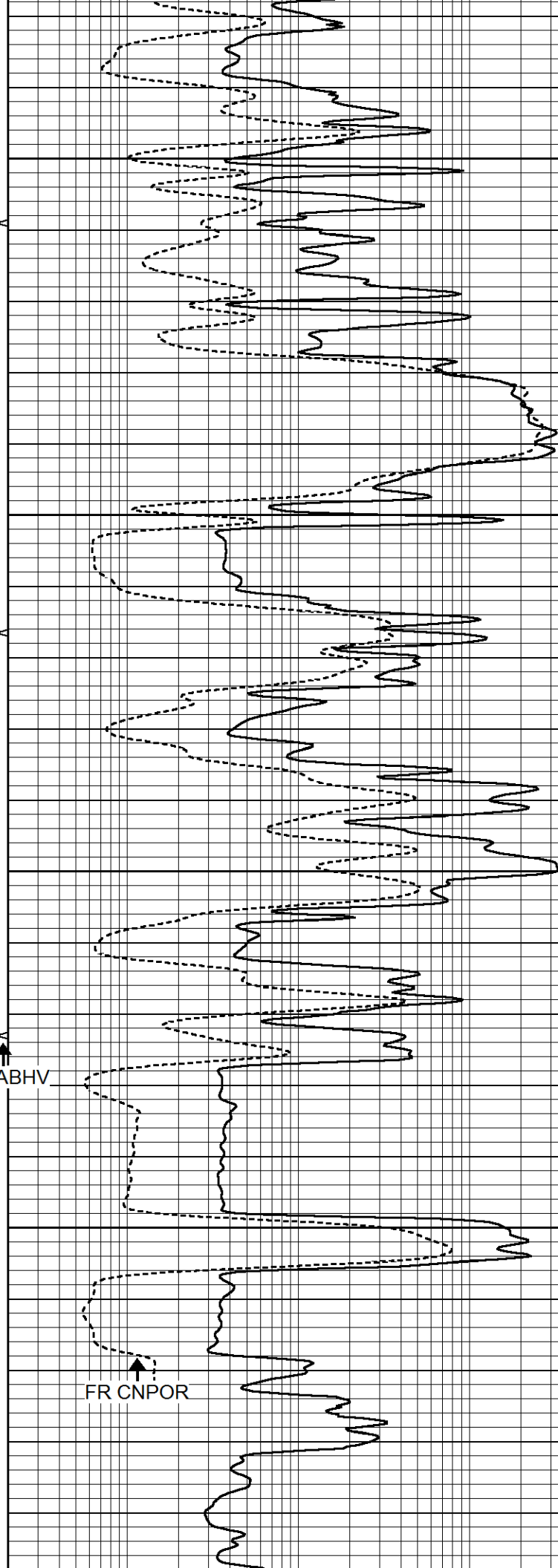
3400

3450

3500

3550

5.5" ABHV



FR CNPOR

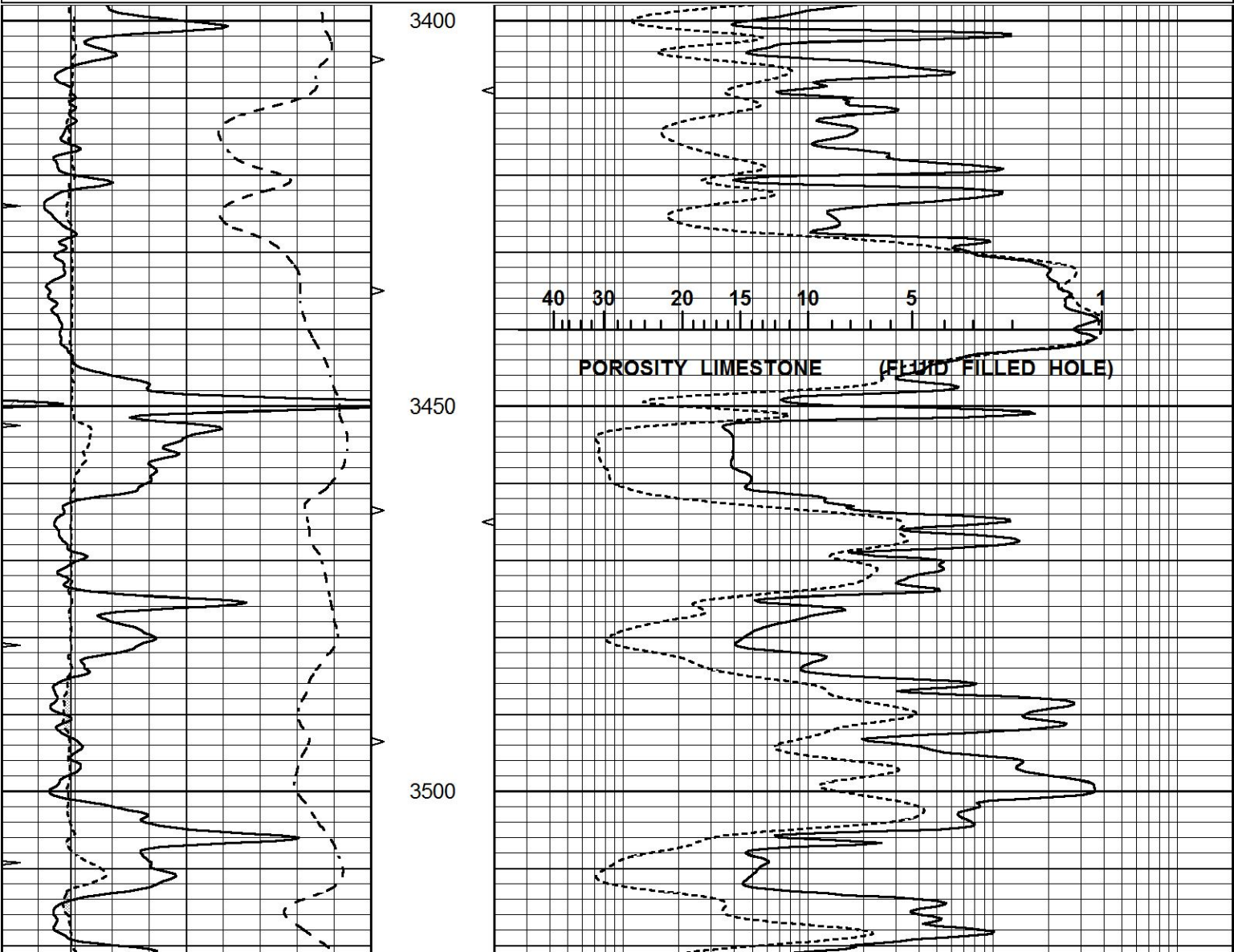
			3600				FR GUARD
			LTD 3604				
0	GAMMA RAY (GAPI)	150	ABHV	GUARD			
6	CALIPER (in)	16	10 (ft3) 0	NEUTRON			
-100	SP (mV)	100	TBHV				
			0 (ft3) 10				

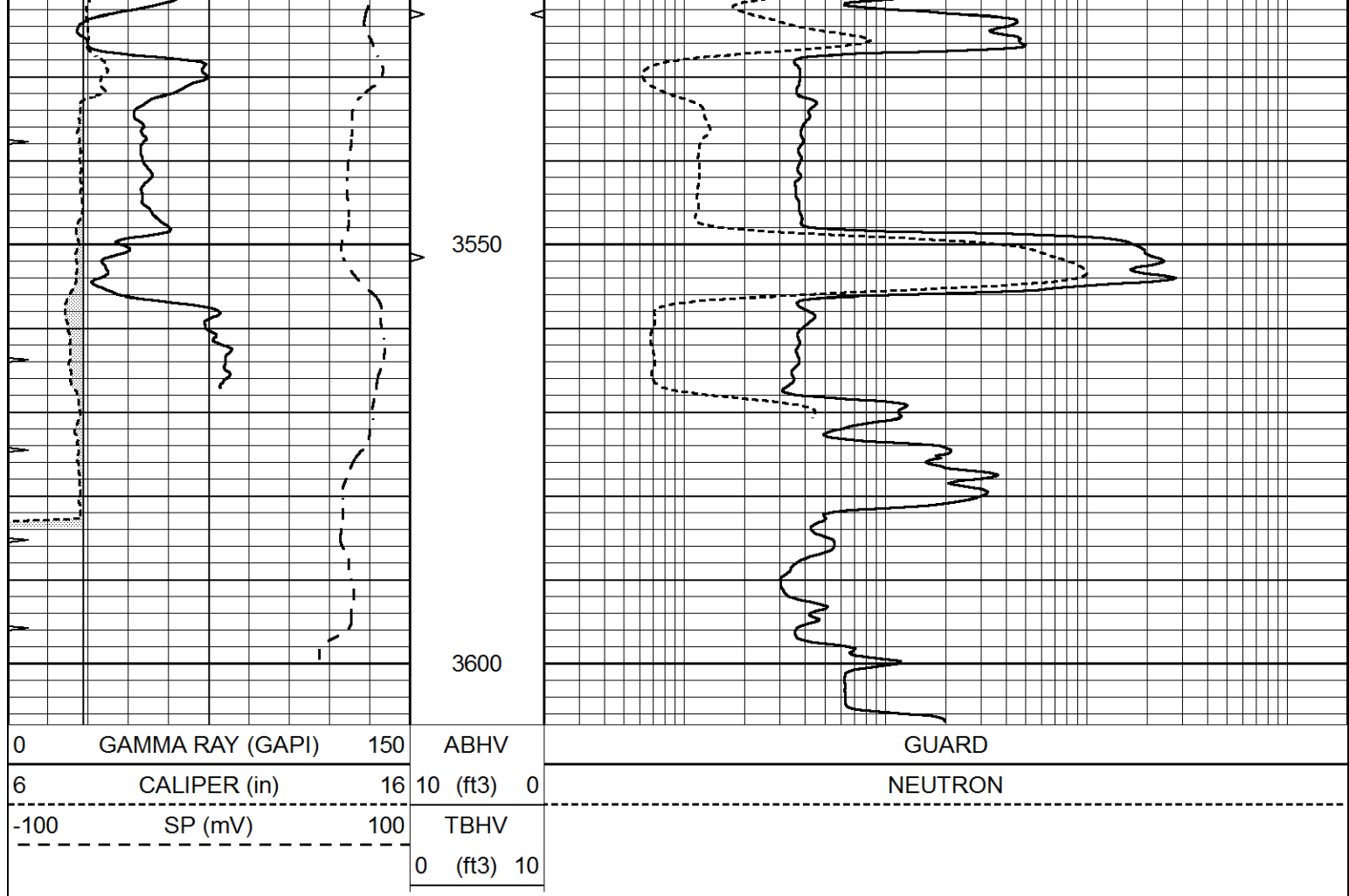


REPEAT SECTION

Database File	7660ddn.db
Dataset Pathname	pass2.3
Presentation Format	_ragstk
Dataset Creation	Wed Mar 22 11:00:51 2023
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	GUARD			
6	CALIPER (in)	16	10 (ft3) 0	NEUTRON			
-100	SP (mV)	100	TBHV				
			0 (ft3) 10				





Calibration Report									
Database File	7660ddn.db								
Dataset Pathname	pass3.2								
Dataset Creation	Wed Mar 22 11:06:16 2023								
Dual Induction Calibration Report									
Serial-Model:				FW1410-55-Probe					
Surface Cal Performed:				Thu Jun 30 01:48:00 2022					
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	650.000	-3.000	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	-10.500	
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 -7.481	V V		20.000 3745.000	Ohm-m 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: Mon Jan 16 12:13:16 2023				
	Background		Aluminum		Magnesium			
Window 1	510.34		5430.90		23328.68	cps		
Window 2	43.13		1220.81		5782.94	cps		
Window 4	220.94		1221.84		5140.68	cps		
Window 5	541.58		7453.23		13730.42	cps		
Window 6	40.88		1109.92		2626.60	cps		
Window 8	256.72		2483.83		4003.08	cps		
Bulk Density	-		2.6020		1.6830	g/cc		
Pe	-		3.0000		2.5070	b/e		
LS Alpha:	: -1.8151		SS Alpha:	: -0.5949		LS CPE:	: 1.1494	
LS Beta:	: 115604.5658		SS Beta:	: 10827.9221		SS CPE:	: 1.7503	
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: Mon Jan 16 12:13:16 2023				
Results	Readings		References (in)					
	Low	High	Low	High		Gain		Offset
	7710.6	11244.4	8.0	14.0		0.0		-6.4
Before Survey Caliper Verification				Performed:				

	Reference	Reading
	_____	_____
Caliper (in)		

After Survey Caliper Verification	Performed:
Reference	Reading
_____	_____
Caliper (in)	

Compensated Neutron Calibration Report			
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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			
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Serial Number:	7		
Tool Model:	Probe1		
Performed:	Mon Mar 13 16:44:12 2023		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	