

COMPENSATED DENSITY/NEUTRON LOG

Company REILLY OIL COMPANY, INC.	
Well	GWEN #1-4
Field	SPRUCE
County	TREGO
State	KANSAS
Location: API #: 15-195-23138-0000	
2303' FSL & 820' FEL SE - NW - NE - SE	
Permanent Datum	GROUND LEVEL Elevation 2341
Log Measured From	KELLY BUSHING 7' A.G.L
Drilling Measured From	KELLY BUSHING
Elevation K.B. 2348 D.F. 2346 G.L. 2341	
Date	6/22/22
Run Number	ONE
Depth Driller	4290
Depth Logger	4289
Bottom Logged Interval	4265
Top Log Interval	3400
Casing Driller	8 5/8"@218'
Casing Logger	218
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.0/52
PH / Fluid Loss	10.0/5.2
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.850@84F
Rmf @ Meas. Temp	.638@84F
Rmc @ Meas. Temp	1.02@84F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	.600@119F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	1:00 P.M.
Maximum Recorded Temperature	119F
Equipment Number	3802
Location	HAYS, KANSAS
Recorded By	COLE ROBEN
Witnessed By	DUSTY RHOADES
	RICHARD BELL

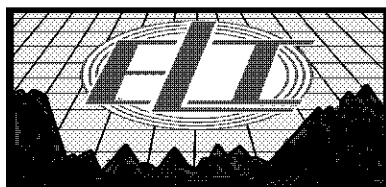
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on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

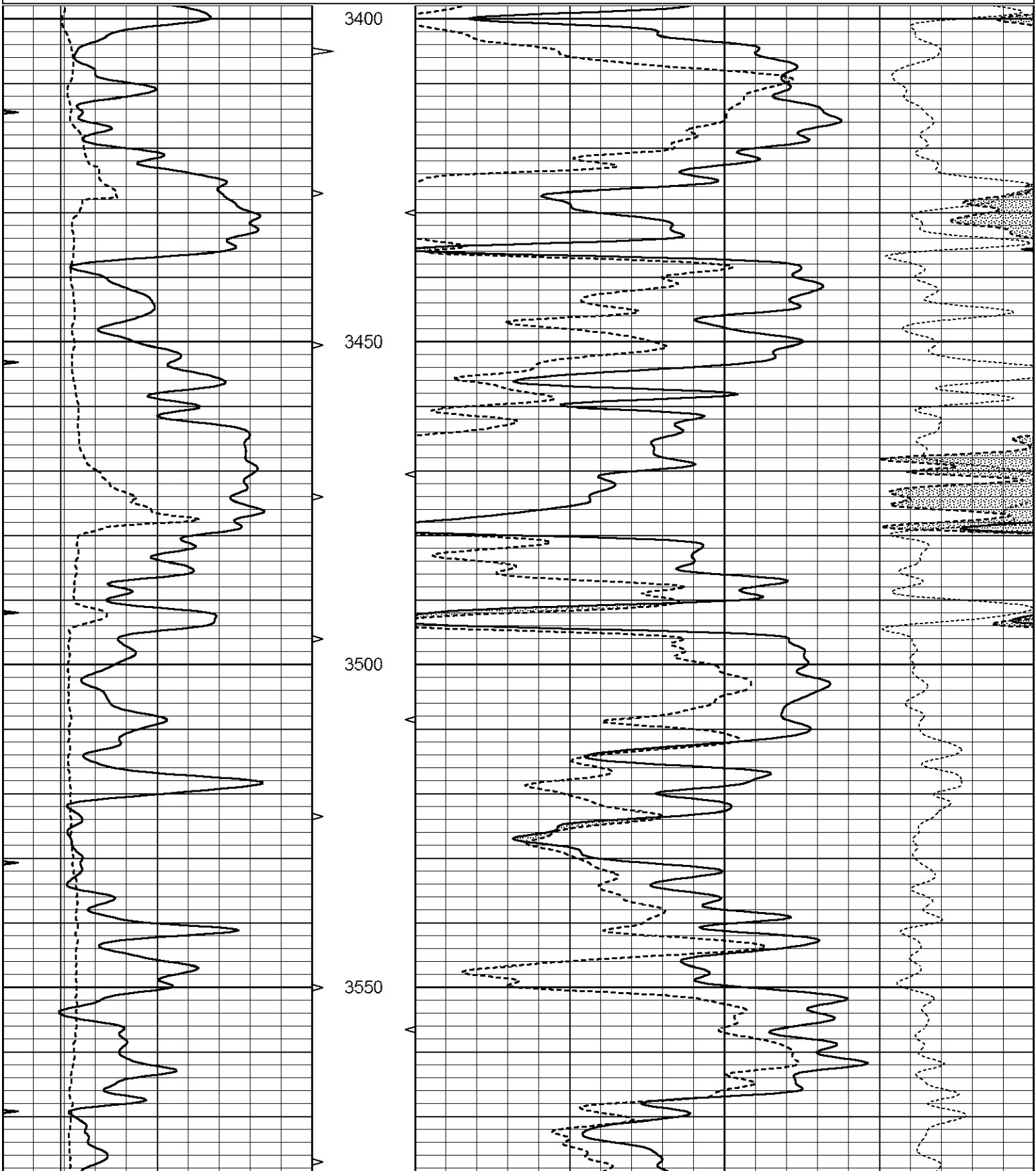
OGALLAH, KS I70 EXIT SOUTH 8 MILES ON RD 147 TO CURVE, 1 MILE
WEST FROM YIELD SIGN TO 320 RD,SOUTH 1/2 MILE, WEST INTO

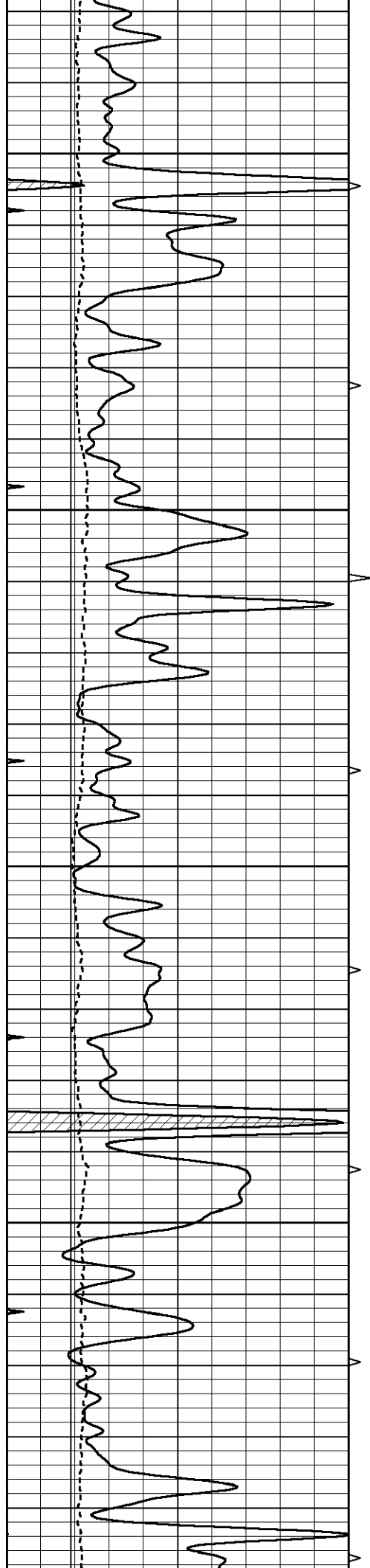


MAIN SECTION

Database File	6545ddn.db
Dataset Pathname	pass3.1M
Presentation Format	den_neu
Dataset Creation	Wed Jun 22 14:44:25 2022
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					



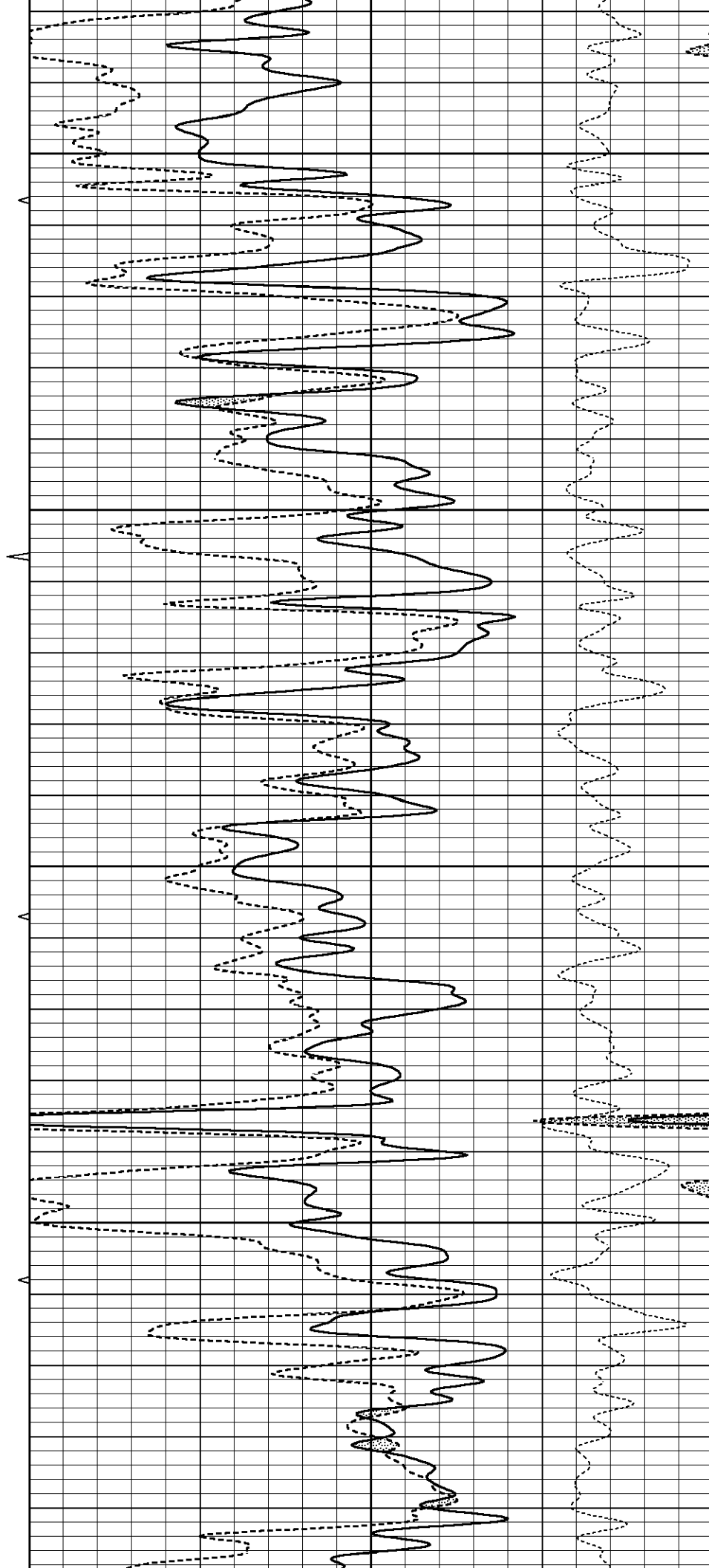


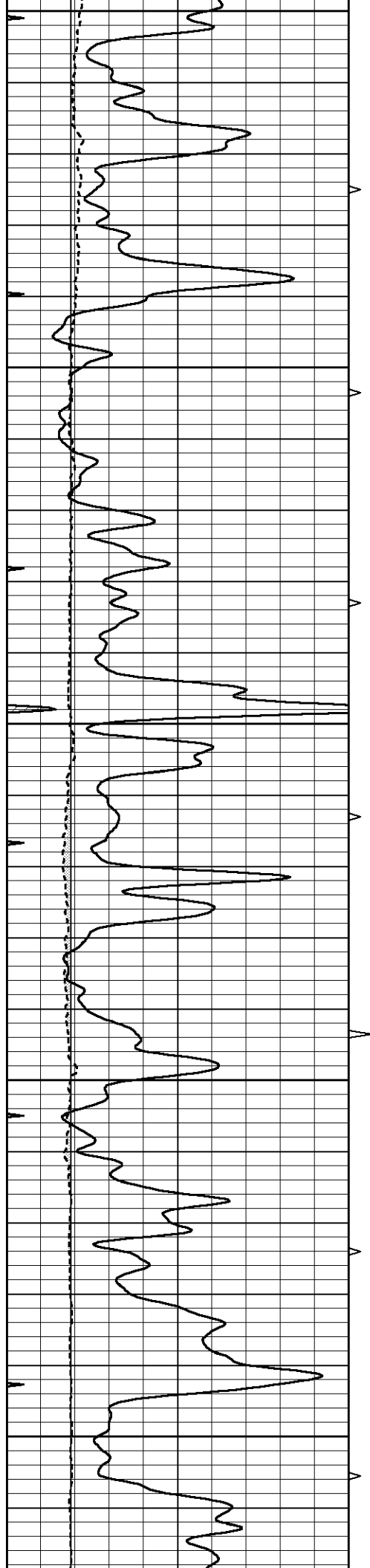
3600

3650

3700

3750





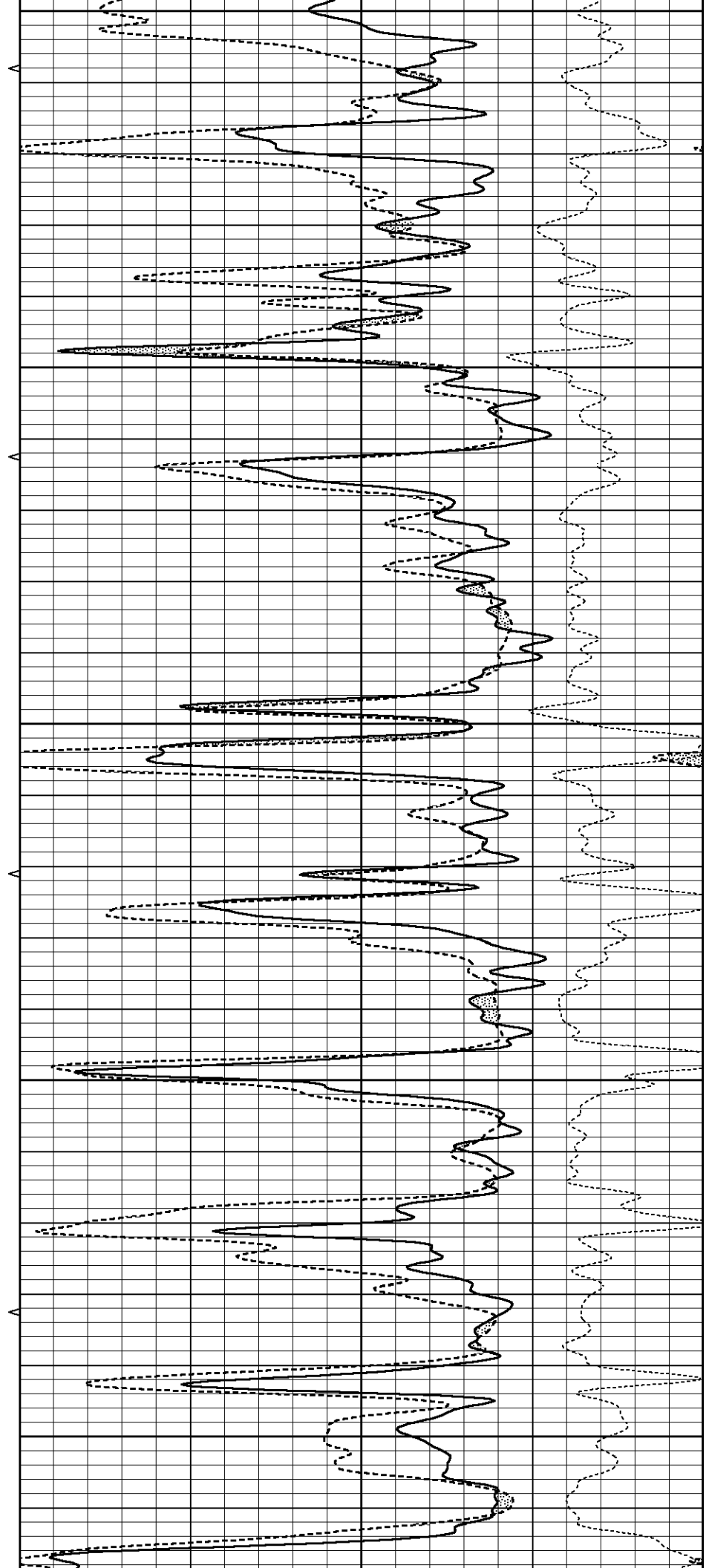
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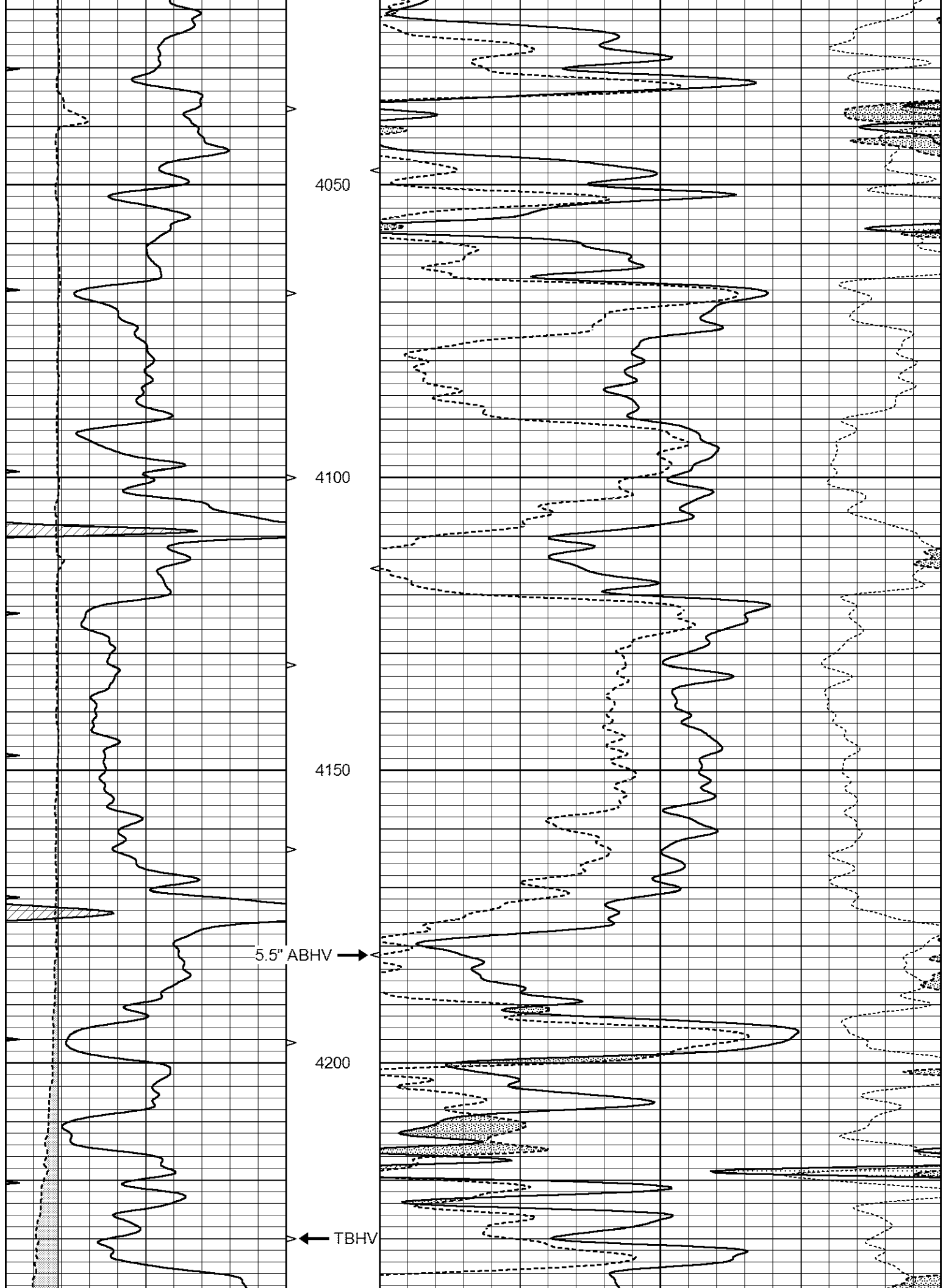
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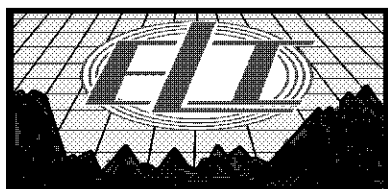
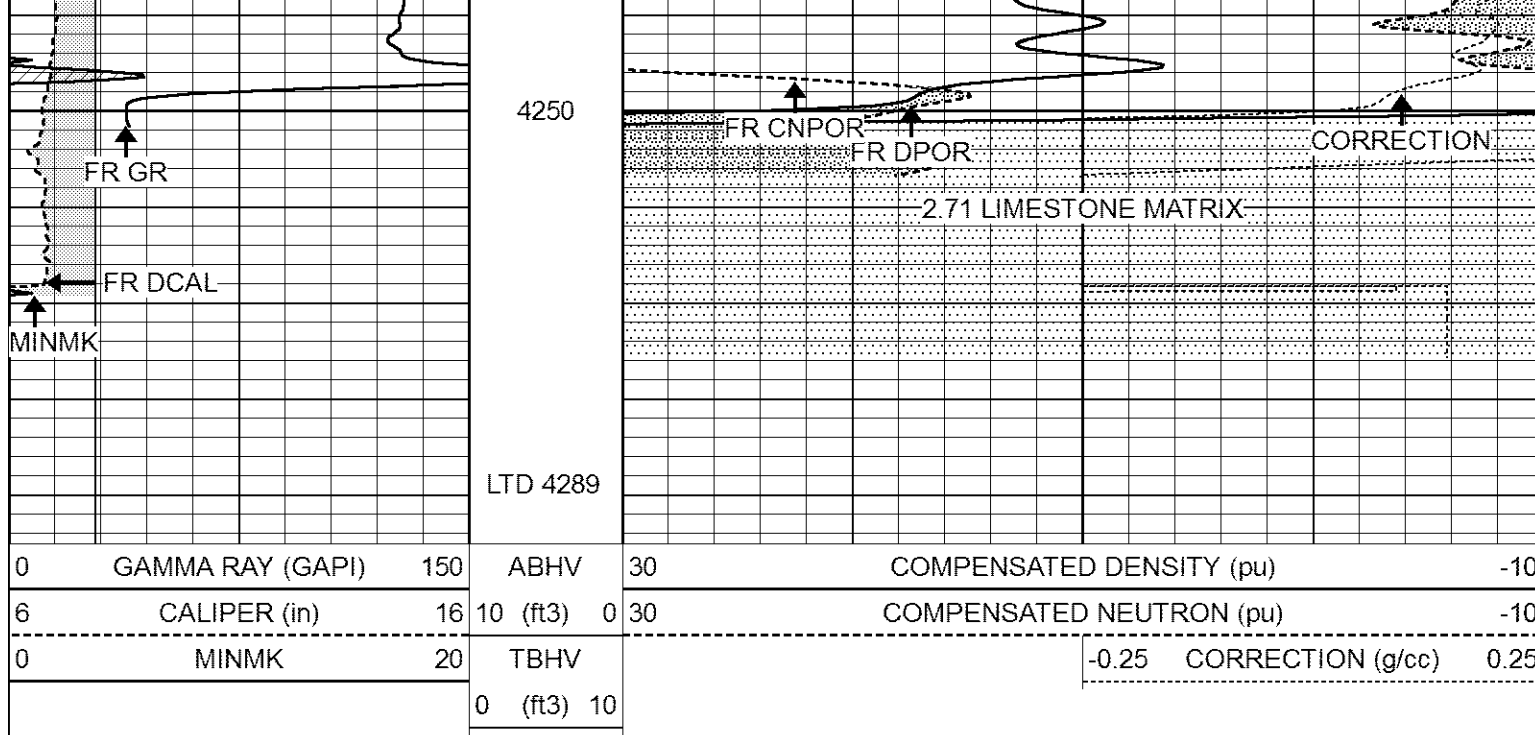
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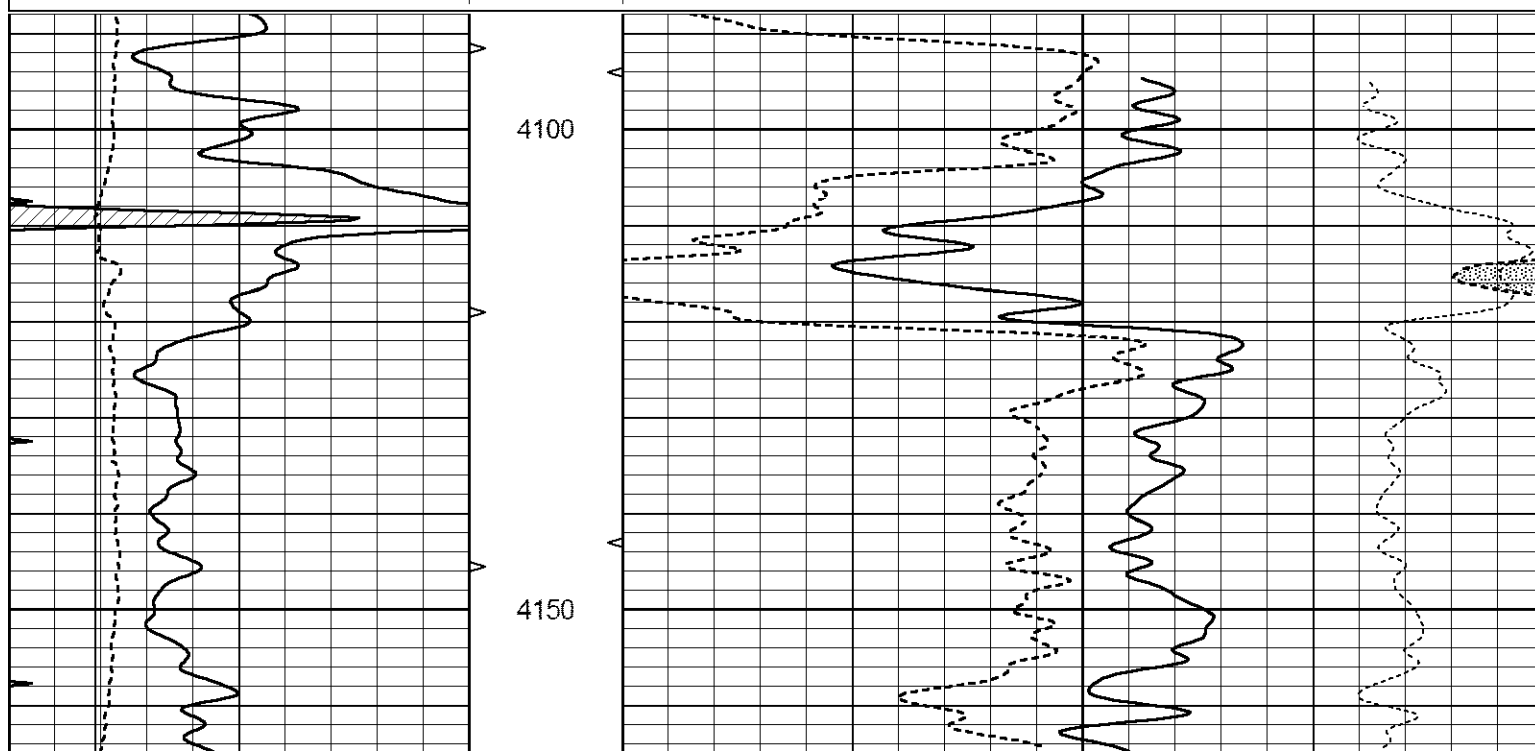


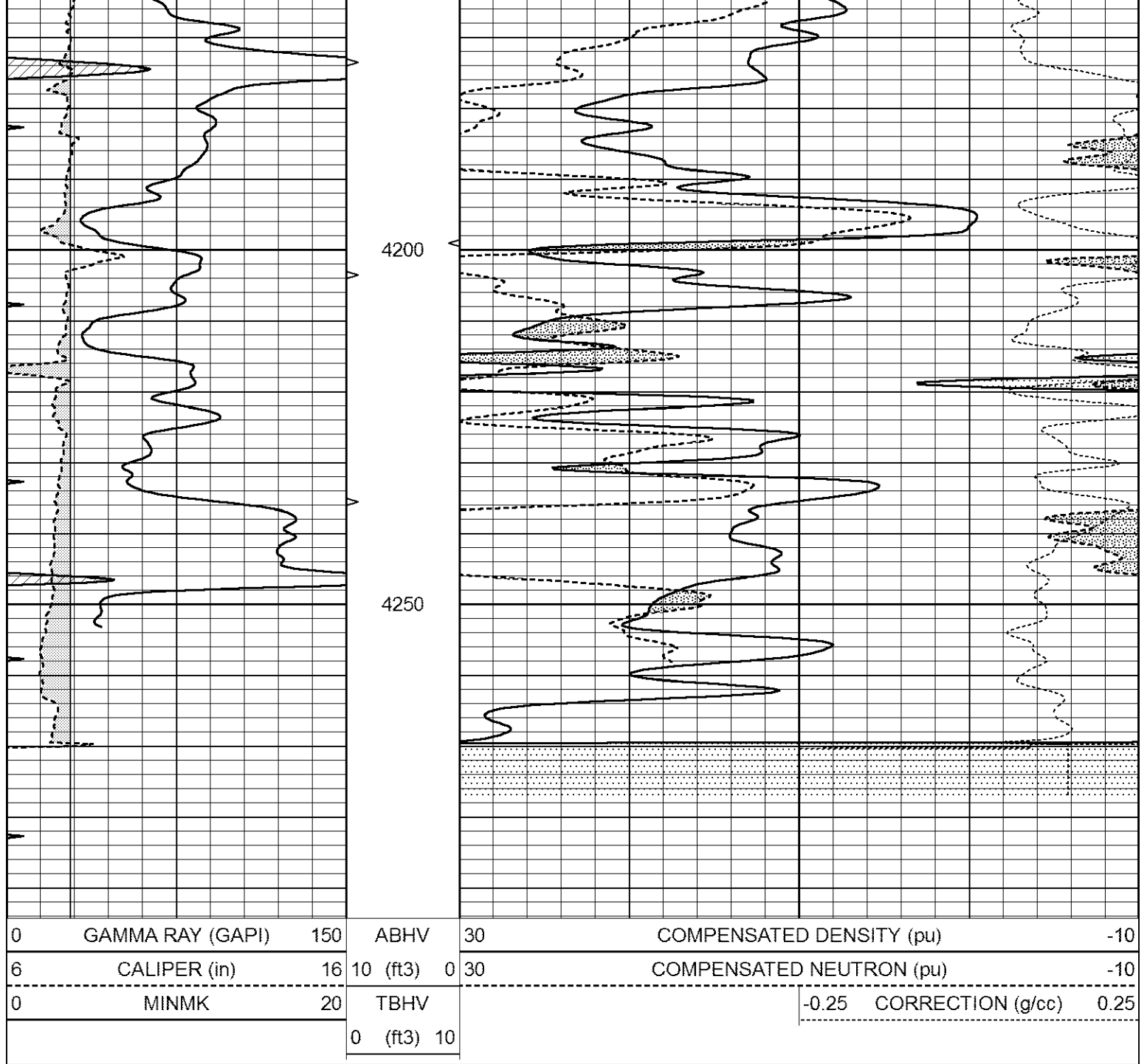


REPEAT SECTION

Database File 6545ddn.db
 Dataset Pathname pass2.1
 Presentation Format den_neu
 Dataset Creation Wed Jun 22 14:55:04 2022
 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			





Calibration Report

Database File 6545ddn.db
Dataset Pathname pass3.1M
Dataset Creation Wed Jun 22 14:44:25 2022

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
Surface Cal Performed: Sun May 15 19:17:36 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		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	650.000	-2.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	-12.000

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								
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Master Calibration				Performed: Mon May 23 14:22:47 2022				
	Background		Aluminum		Magnesium			
Window 1	511.07		5437.36		23664.68	cps		
Window 2	40.76		1220.39		5745.34	cps		
Window 4	223.73		1233.64		5301.27	cps		
Window 5	531.57		7878.13		15405.81	cps		
Window 6	48.52		1245.17		2497.97	cps		
Window 8	246.02		2578.14		4974.07	cps		
Bulk Density	-		2.6020		1.6830	g/cc		
Pe	-		3.0000		2.5070	b/e		
LS Alpha:	: -1.8413		SS Alpha:	: -0.8034		LS CPE:	: 1.1579	
LS Beta:	: 124864.8423		SS Beta:	: 19537.1506		SS CPE:	: 1.6371	

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 May 23 14:22:47 2022
Results	Readings	References (in)
Low	High	Low High Gain Offset
8210.8	12139.3	7.0 14.0 0.0 -6.6
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:	Thu May 26 08:56:46 2022	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5500	GAPI/cps