



**SUPERIOR
Hays,
Kansas**

**COMPENSATED
DENSITY/NEUTRON
LOG**

Company	MULL DRILLING CO. INC.	Company	MULL DRILLING COMPANY, INC.
Well	#1-14 BENTLEY TRUST	Well	#1-14 BENTLEY TRUST
Field		Field	
County	GOVE	County	GOVE
State	KANSAS	State	KANSAS
Location:	API # : 15-063-21760-0000	Other Services	
	743FSL & 1471FWL	DIL MEL/SONIC	
	SEC 14 TWP 15S RGE 28W	Elevation	
Permanent Datum	GROUND LEVEL	Elevation	2474
Log Measured From	KELLY BUSHING 9' A.G.L.	K.B. 2483 D.F. G.L. 2474	
Drilling Measured From	KELLY BUSHING		
Date	10 JAN 09		
Run Number	CNE		
Depth Driller	4350		
Depth Logger	4356		
Bottom Logged Interval	4332		
Top Log Interval	3400		
Casing Driller	8 5/8 @ 217'		
Casing Logger	217		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.1/57	CHLORIDES 4100	
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.70 @ 61		
Rmf @ Meas. Temp	1.27 @ 61		
Rmc @ Meas. Temp	2.04 @ 61		
Source of Rmf / Rmc	CAL/CAL		
Rm @ BHT	0.83 @ 118		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	0150		
Maximum Recorded Temperature	118		
Equipment Number	680		
Location	HAYS, KS		
Recorded By	DUGAN DENTON	JOE CRATHORNE	
Witnessed By	KEVIN KESSLER		

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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

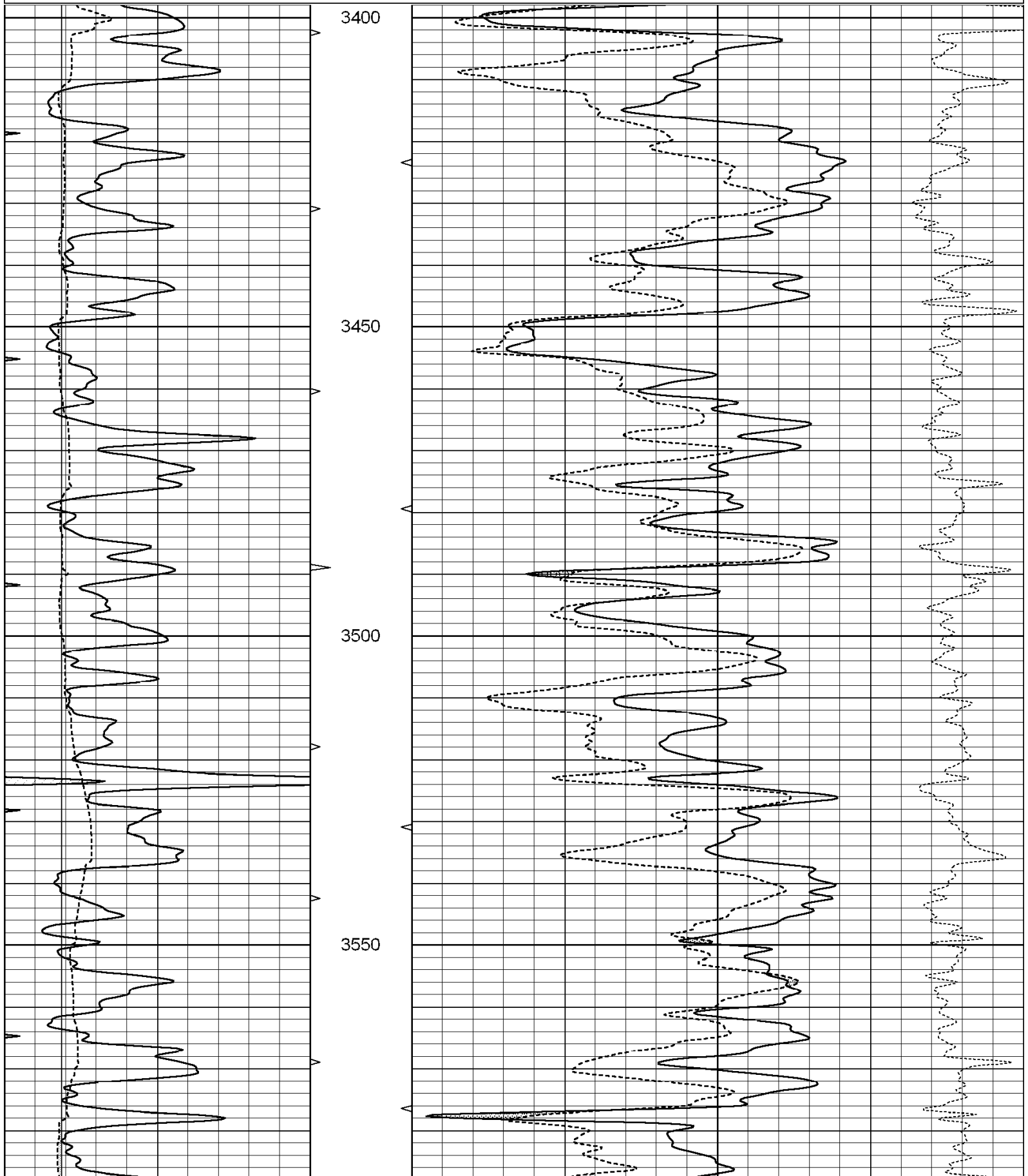
THANK YOU FOR USING SUPERIOR WELL SERVICES
HAYS, KS. 785-628-6395

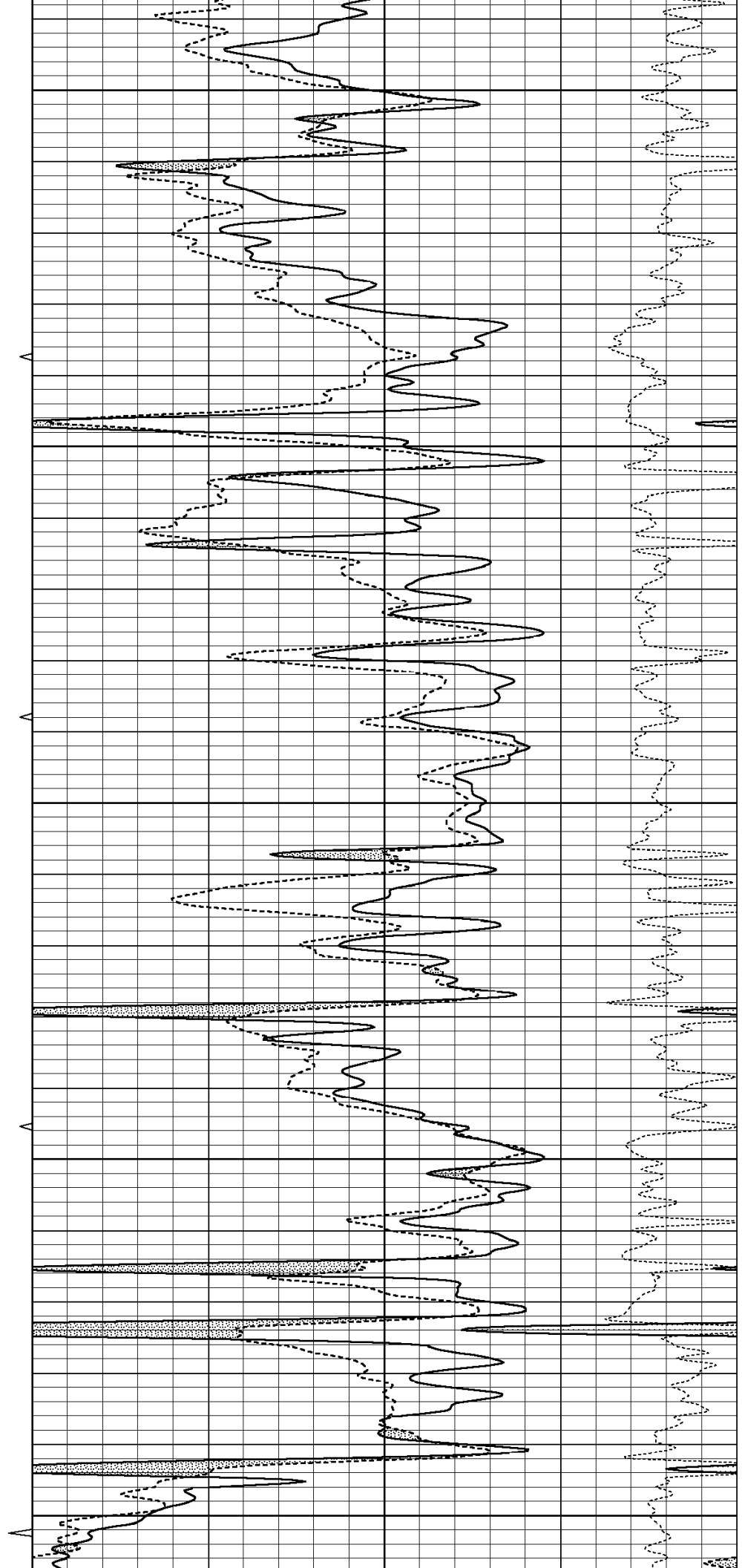
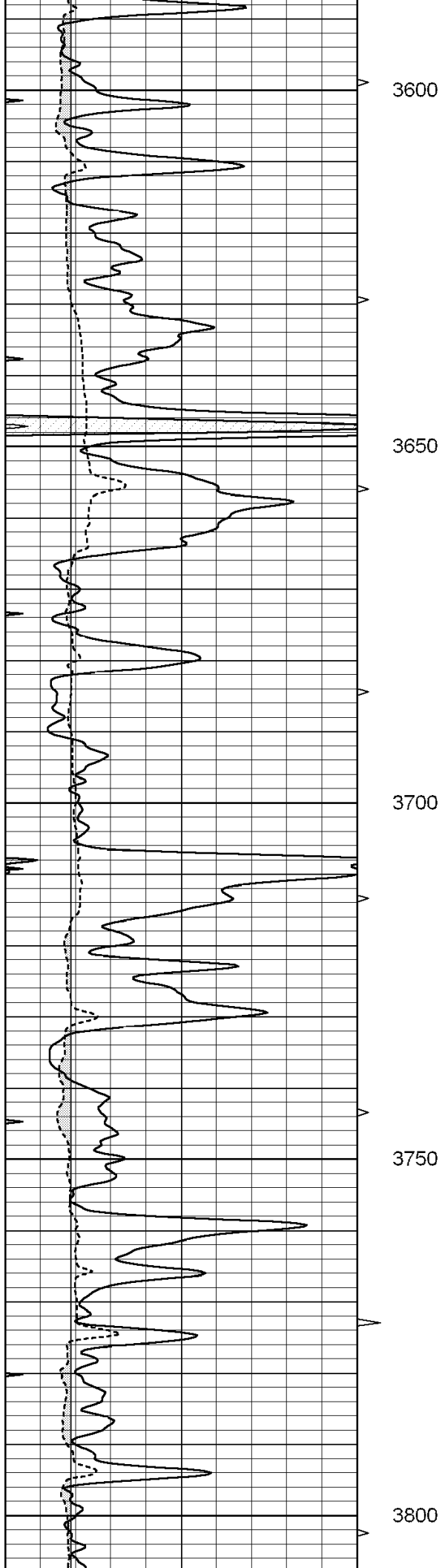
DIRECTIONS: JCT HWY 4 & PAWNEE RD.(CATHOUSE RD); 7 NORTH CROSS BRIDGE, WEST TO FARMHOUSE, SOUTH SIDE GO WEST 1/2 TO FARM YARD, FOLLOW ROAD ALONG SOUTH SIDE THRU OPEN GATE- FOLLOW TRAIL TO IMPLEMENT, TURN SOUTH ON EAST SIDE OF FENCE, FOLLOW TRAIL TO WELL. PS; CALL CO MAN IF LOST.

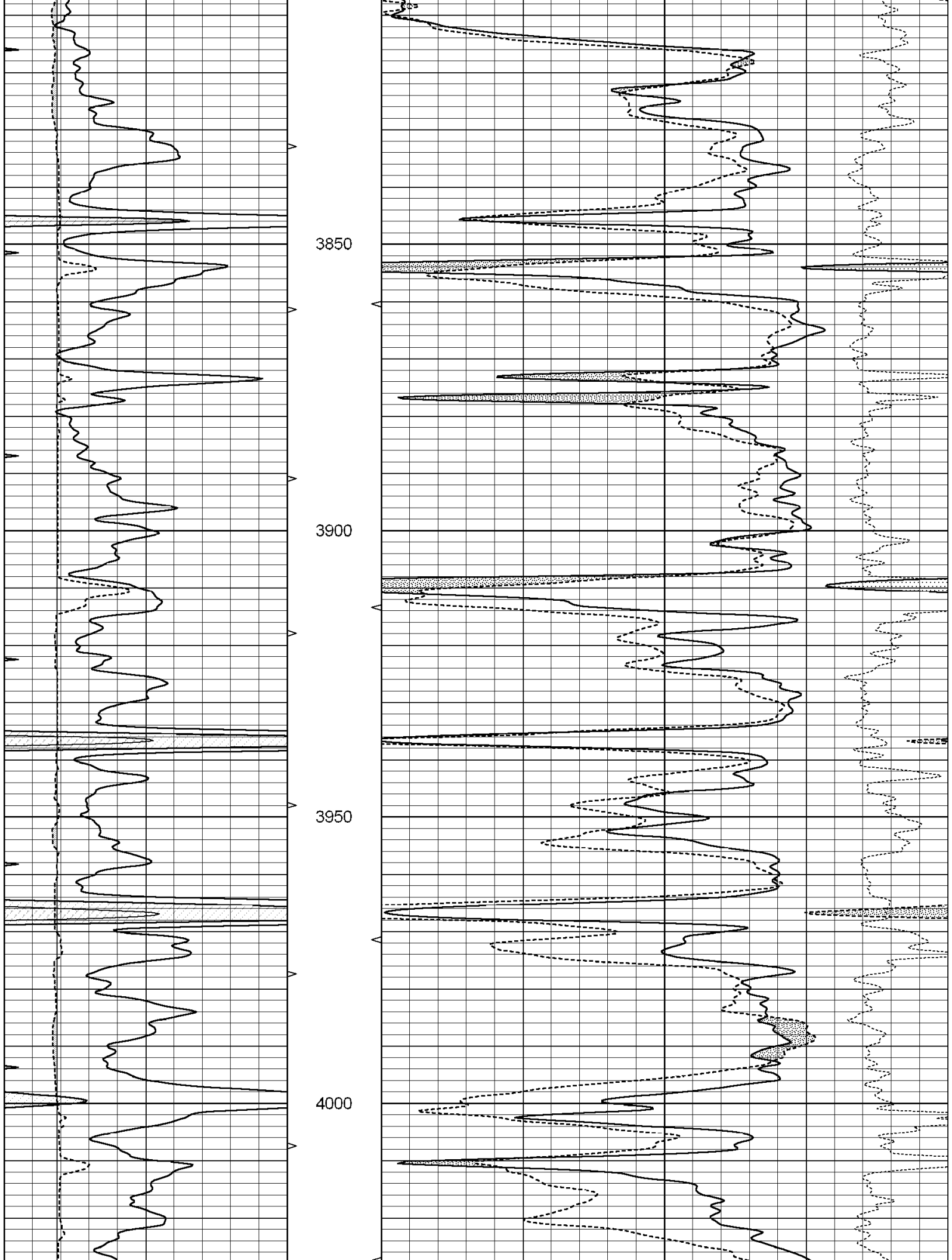
Charted by:

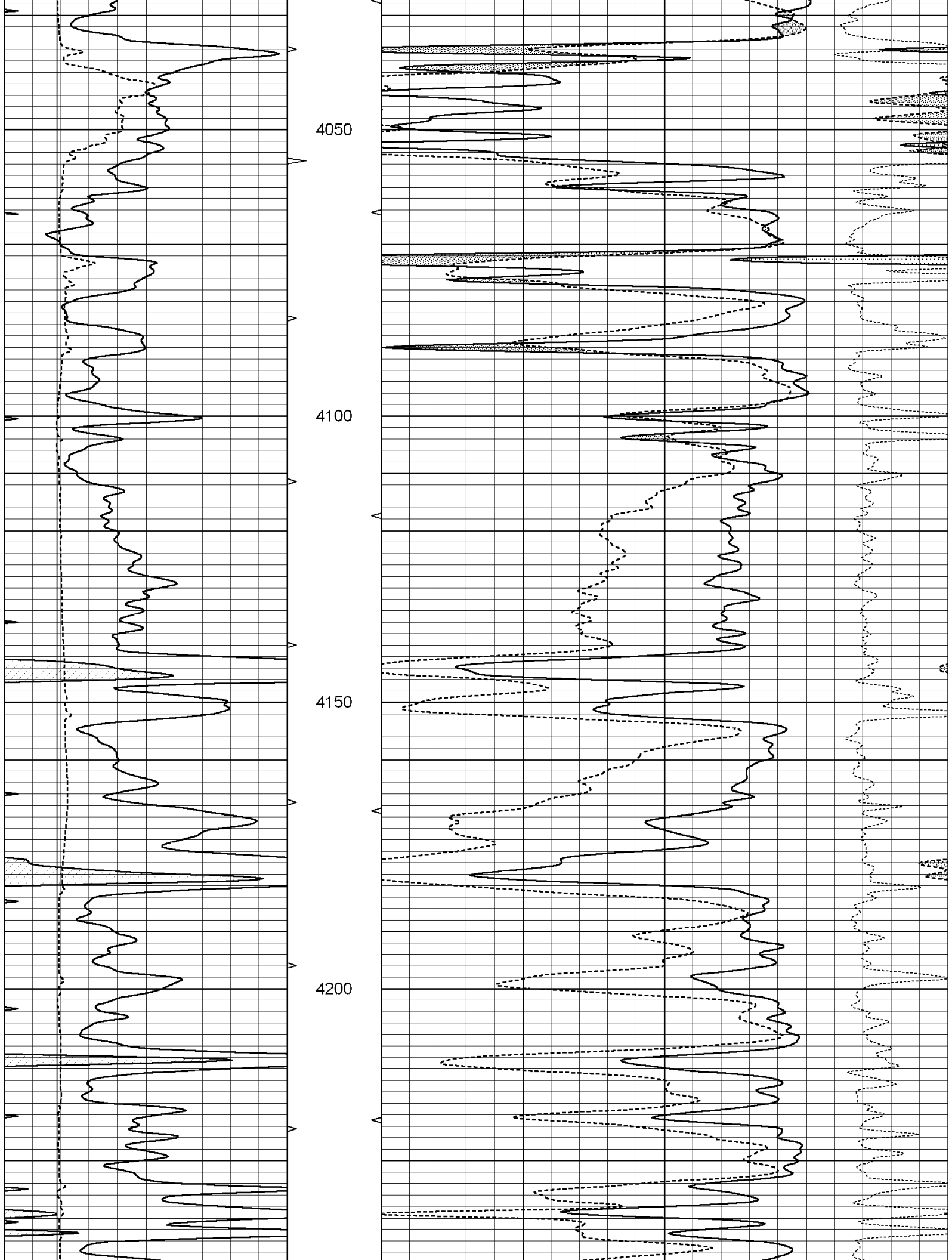
Depth in Feet scaled 1:240

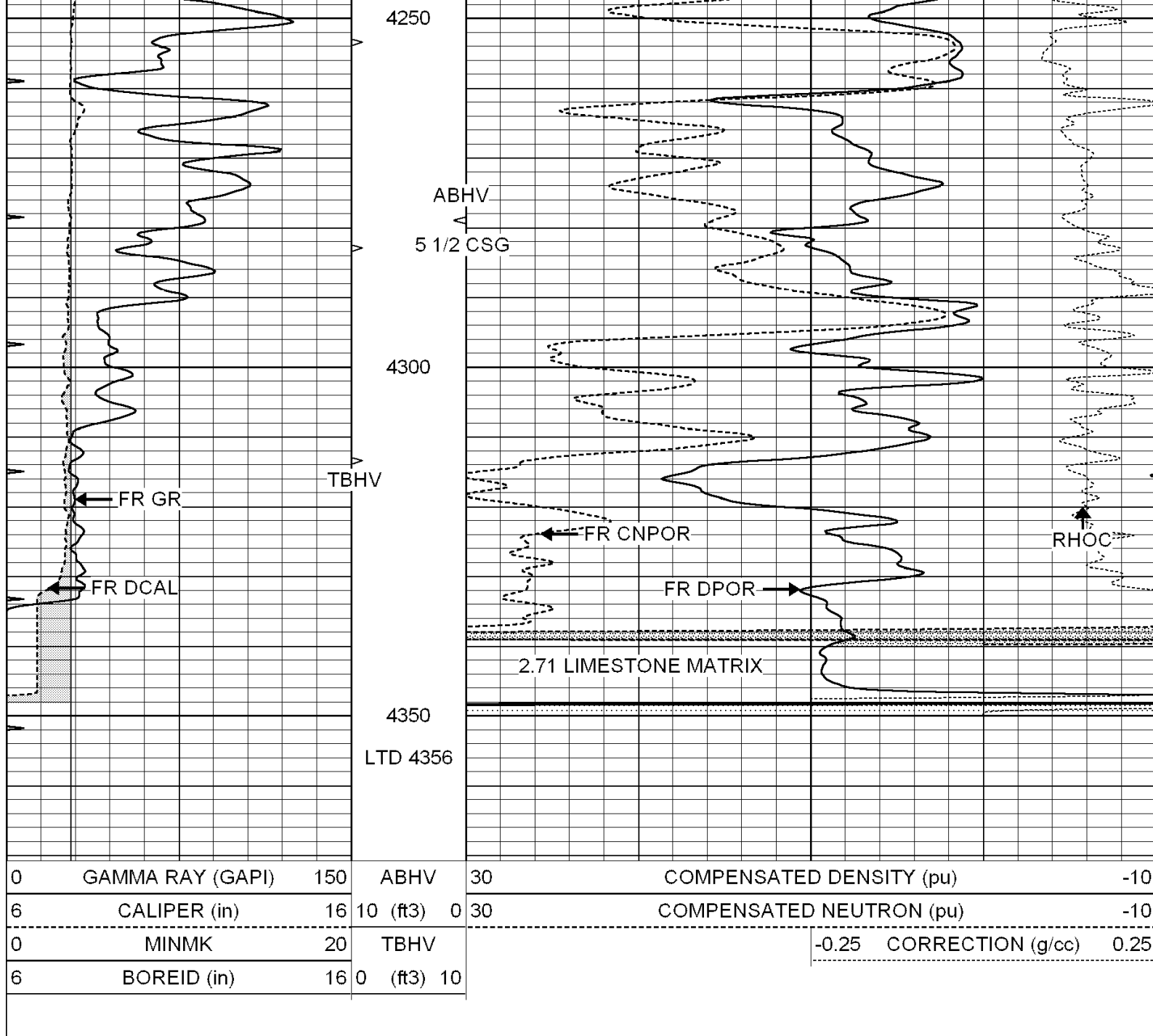
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
6	BOREID (in)	16	0 (ft3) 10			









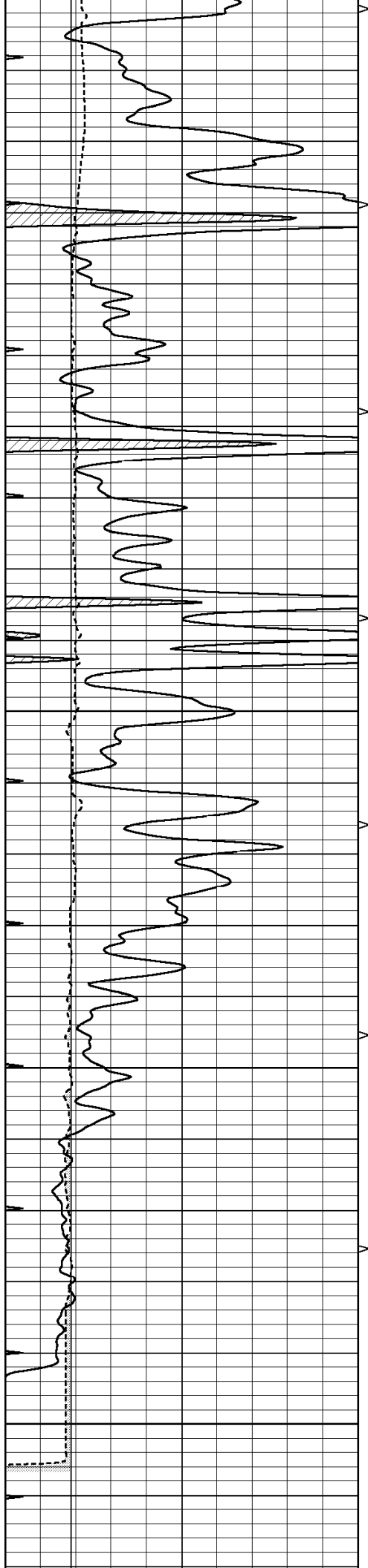


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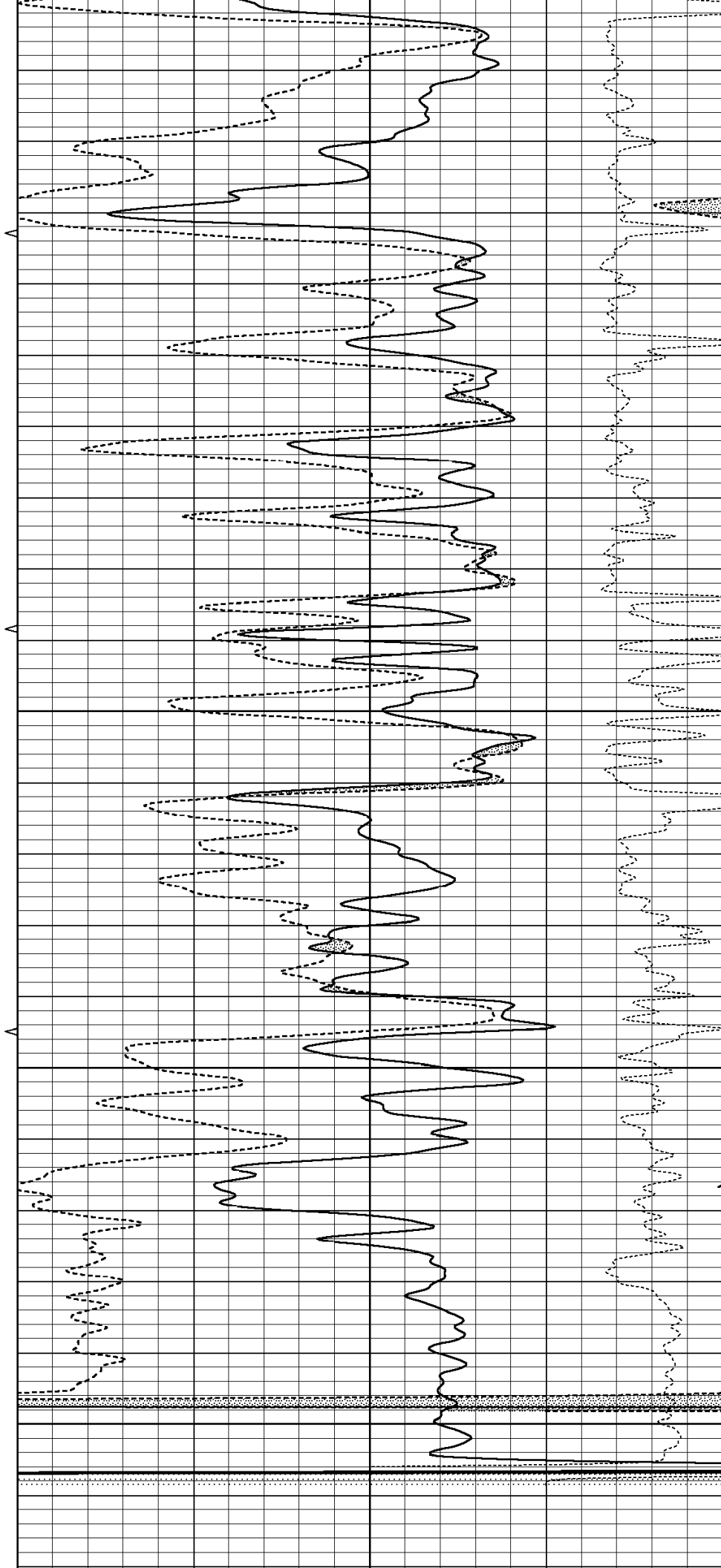
REPEAT SECTION

Database File: 3188mulldrill.db
 Dataset Pathname: pass2.7
 Presentation Format: _den_neu
 Dataset Creation: Sat Jan 10 04:04:19 2009 by Calc Open-Cased 070814
 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	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
6	BOREID (in)	16	0 (ft3)	10		



4150
4200
4250
4300
4350



Compensated Density Calibration Report			
Serial-Model:	GEAR4-GEARHART		
Source / Verifier:	143 / 143		
Master Calibration Performed:	Tue Jan 22 15:45:39 2008		
Master Calibration			
	Density	Far Detector	Near Detector

	Density			Far Detector		Near Detector	
Magnesium	1.710	g/cc		1358.55		649.93	cps
Aluminum	2.580	g/cc		302.11		449.52	cps
Spine Angle = 76.22				Density/Spine Ratio = 0.562			
	Size			Reading			
Small Ring	8.00	in		3.56	V		
Large Ring	14.00	in		6.65	V		

Compensated Neutron Calibration Report

Serial Number:	6I
Tool Model:	G

CALIBRATION						
Detector	Readings		Target		Normalization	
Short Space	1.00	cps	1.00	cps	1.0000	
Long Space	1.00	cps	1.00	cps	1.0000	

Gamma Ray Calibration Report

Serial Number:	GR6	
Tool Model:	OPEN	
Performed:	Thu Jan 24 17:24:37 2008	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	350.0	cps
Sensitivity:	0.5586	GAPI/cps