



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

COMPENSATED DENSITY/NEUTRON LOG

Company		RITCHIE EXPLORATION, INC.	
Well		#1 RUEB UNIT	
Field		WILDCAT	
County		FORD	
State		KANSAS	
Company		RITCHIE EXPLORATION, INC.	
Well		#1 RUEB UNIT	
Field		WILDCAT	
County		FORD	
State		KANSAS	
Location:		API # : 15-057-20931-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		Elevation 2482	
Drilling Measured From		KELLY BUSHING 12' A.G.L.	
SEC 4		TWP 26S RGE 23W	
100' FSL & 1450' FEL		DIL	
Other Services		Elevation	
K.B. 2494		D.F. 2492	
G.L. 2482			
Date	5/2/14		
Run Number	ONE		
Depth Driller	5100		
Depth Logger	5106		
Bottom Logged Interval	5082		
Top Log Interval	3500		
Casing Driller	8 5/8" @ 352		
Casing Logger	NA		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.4/58		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.65 @ 80F		
Rmt @ Meas. Temp	.48 @ 80F		
Rmc @ Meas. Temp	.78 @ 80F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.41 @ 126F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	126F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	MIKE ENGELBRECHT		

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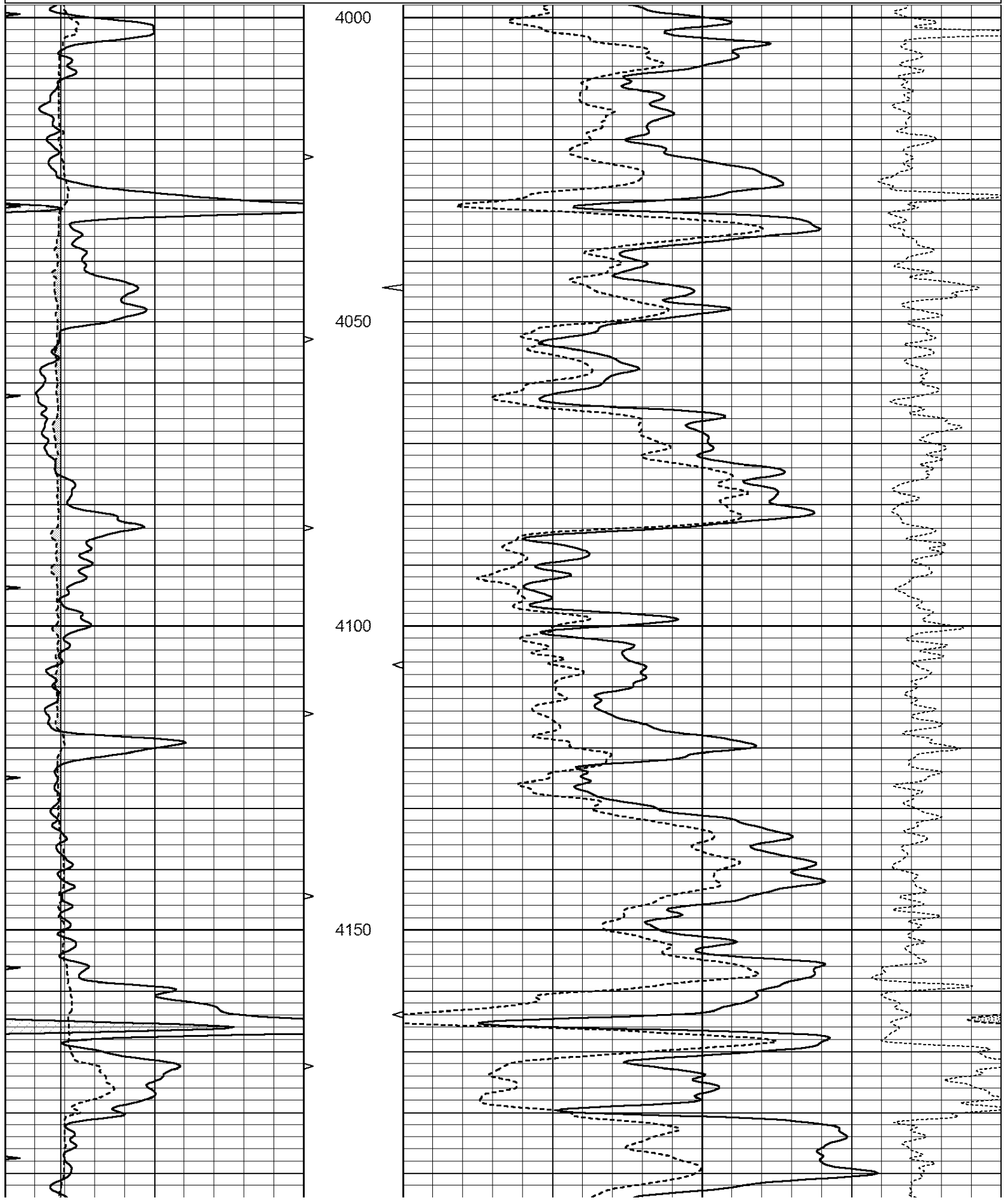
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

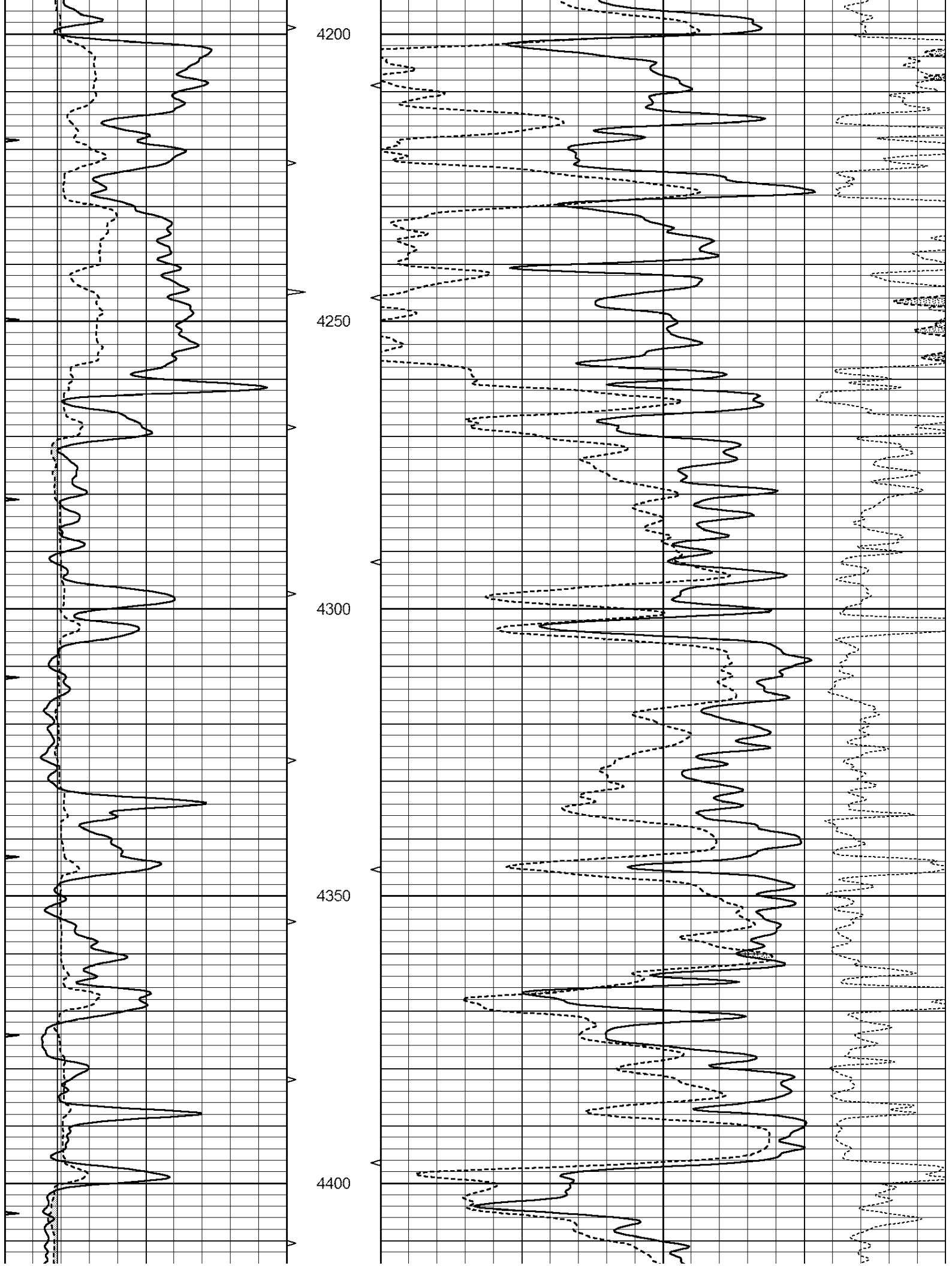
Comments

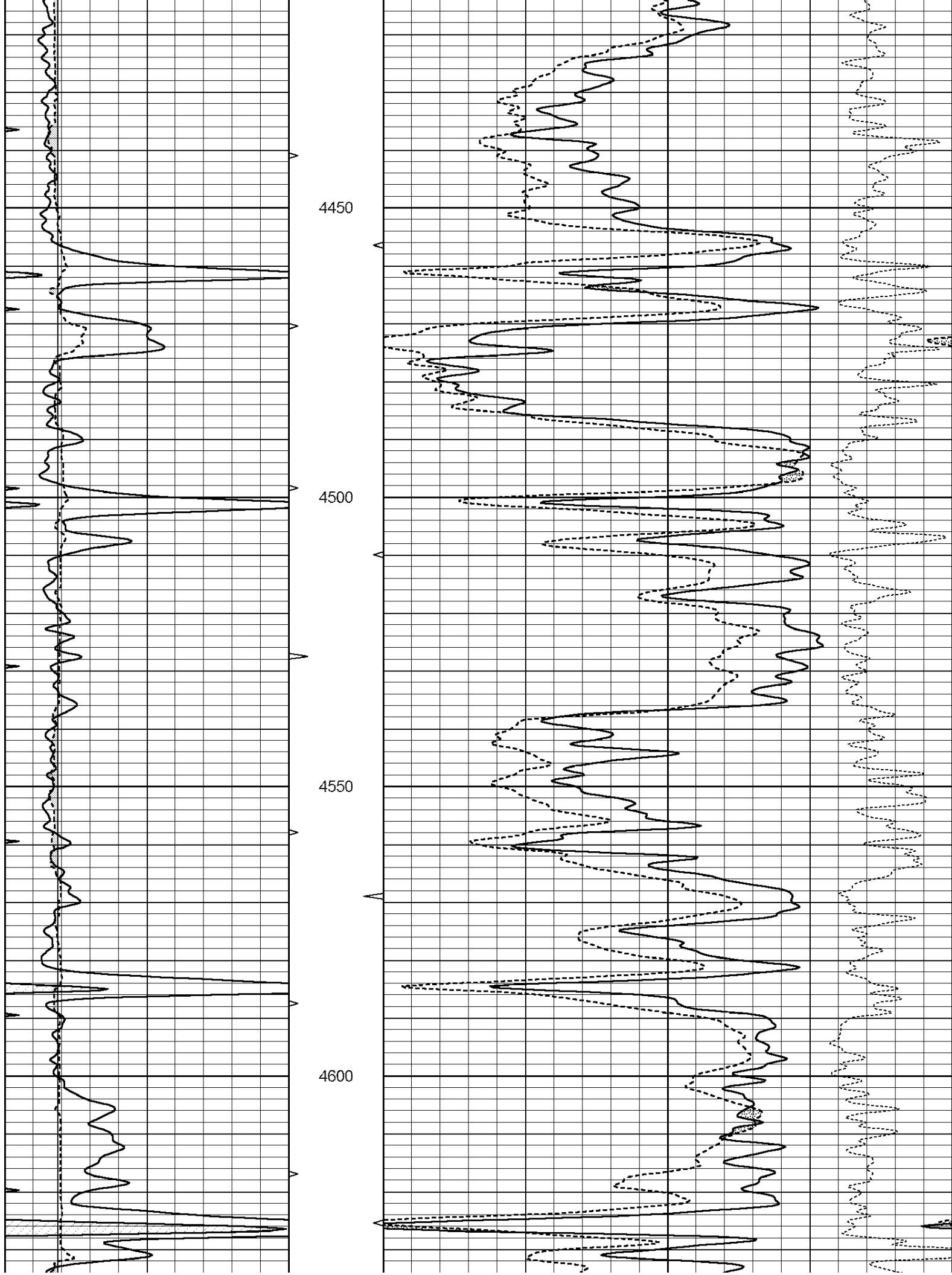
THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:
SPEARVILLE, KS. - 4 WEST - 1/2 SOUTH - WEST INTO

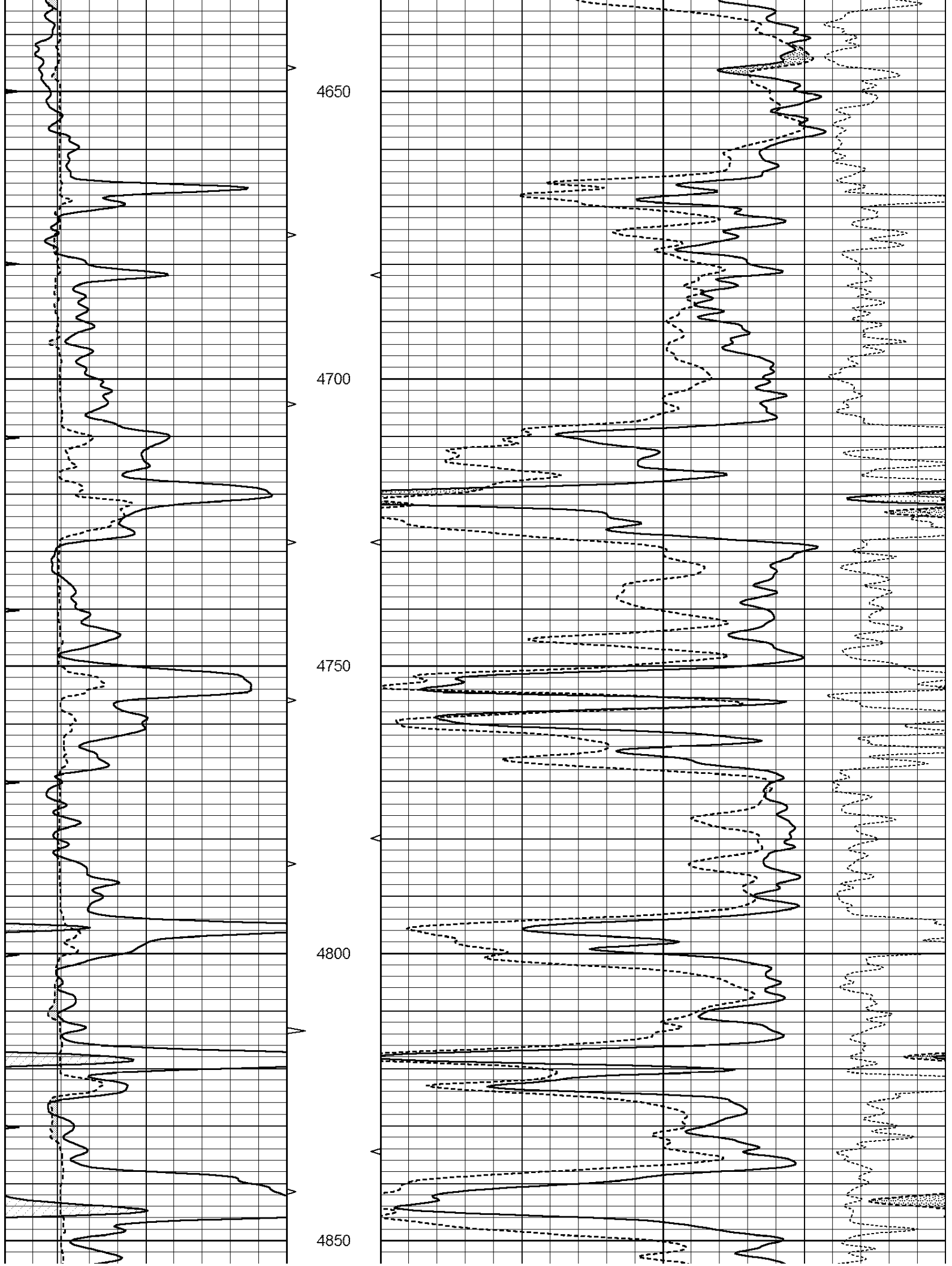
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Dataset Creation: Fri May 02 23:42:52 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

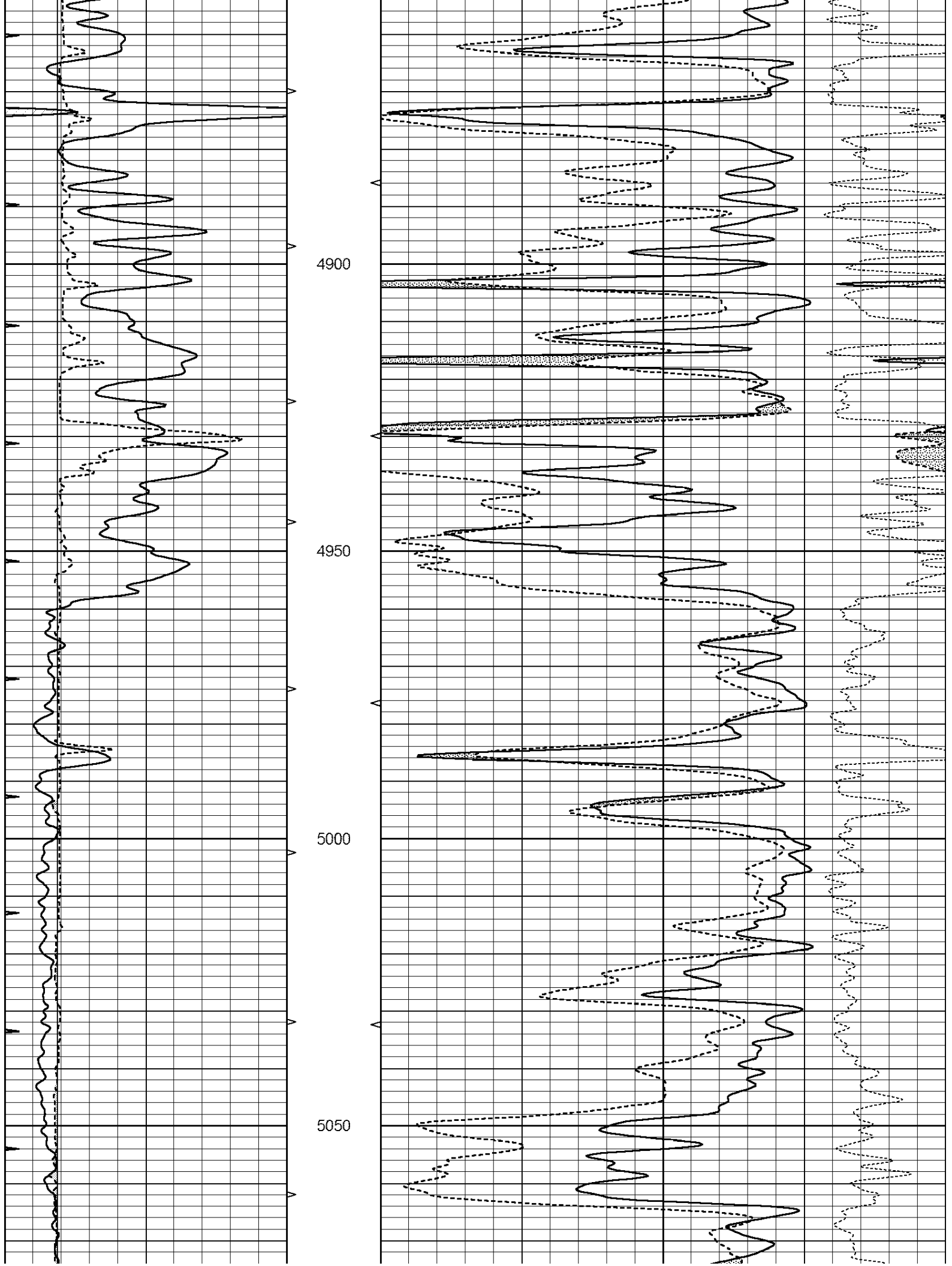
Charted by:		Depth in Feet scaled 1:2.10			
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu) -10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu) -10
0	MINMK	20	TBHV	-0.25 CORRECTION (g/cc) 0.25	
			0 (ft3) 10		

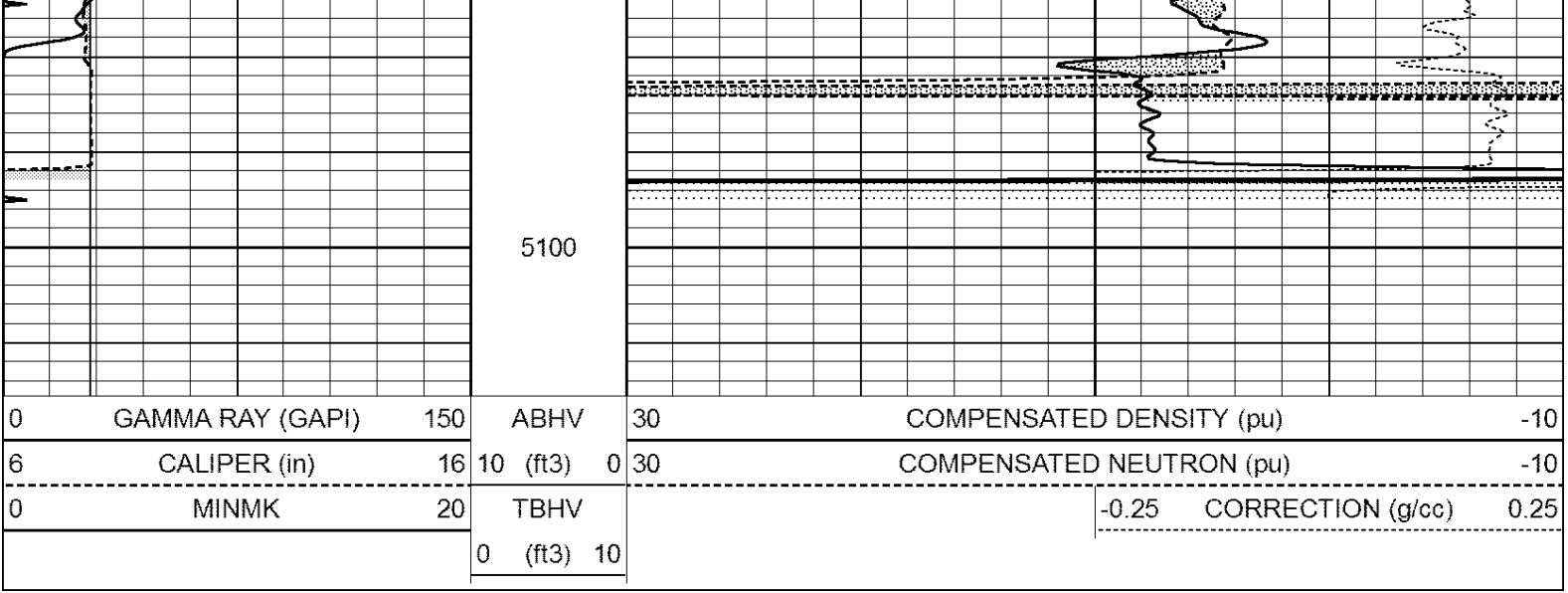












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6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3) 10			