



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY/NEUTRON
LOG

Company	MULL DRILLING CO, INC.	Company	MULL DRILLING COMPANY, INC.
Well	COBERLY #1-2	Well	COBERLY #1-2
Field	WILDCAT	Field	WILDCAT
County	GOVE	County	GOVE
State	KANSAS	State	KANSAS
Location:	API # : 15-063-21759-0000	Other Services	DIL MEL/SONIC
Permanent Datum	GROUND LEVEL	Elevation	2514
Log Measured From	KELLY BUSHING 5' A.G.L.	K.B. 2519 D.F. 2517 G.L. 2514	
Drilling Measured From	KELLY BUSHING		
SEC 2	TWP 15S	RGE 28W	
2008FSL & 1388FEL			
SE NE NW/SE			
25 NOV 08			
Run Number	ONE		
Depth Driller	4400		
Depth Logger	4402		
Bottom Logged Interval	4378		
Top Log Interval	3600		
Casing Driller	8 5/8" @ 225'		
Casing Logger	224'		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3/49	CHLORIDES 4500	
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20 @ 73		
Rmf @ Meas. Temp	0.90 @ 73		
Rmc @ Meas. Temp	1.44 @ 73		
Source of Rmf / Rmc	CAL/CAL		
Rm @ BHT	0.73 @ 120		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	0715		
Maximum Recorded Temperature	120		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	JOE CRATHORNE		
Witnessed By	KEVIN KESSLER		

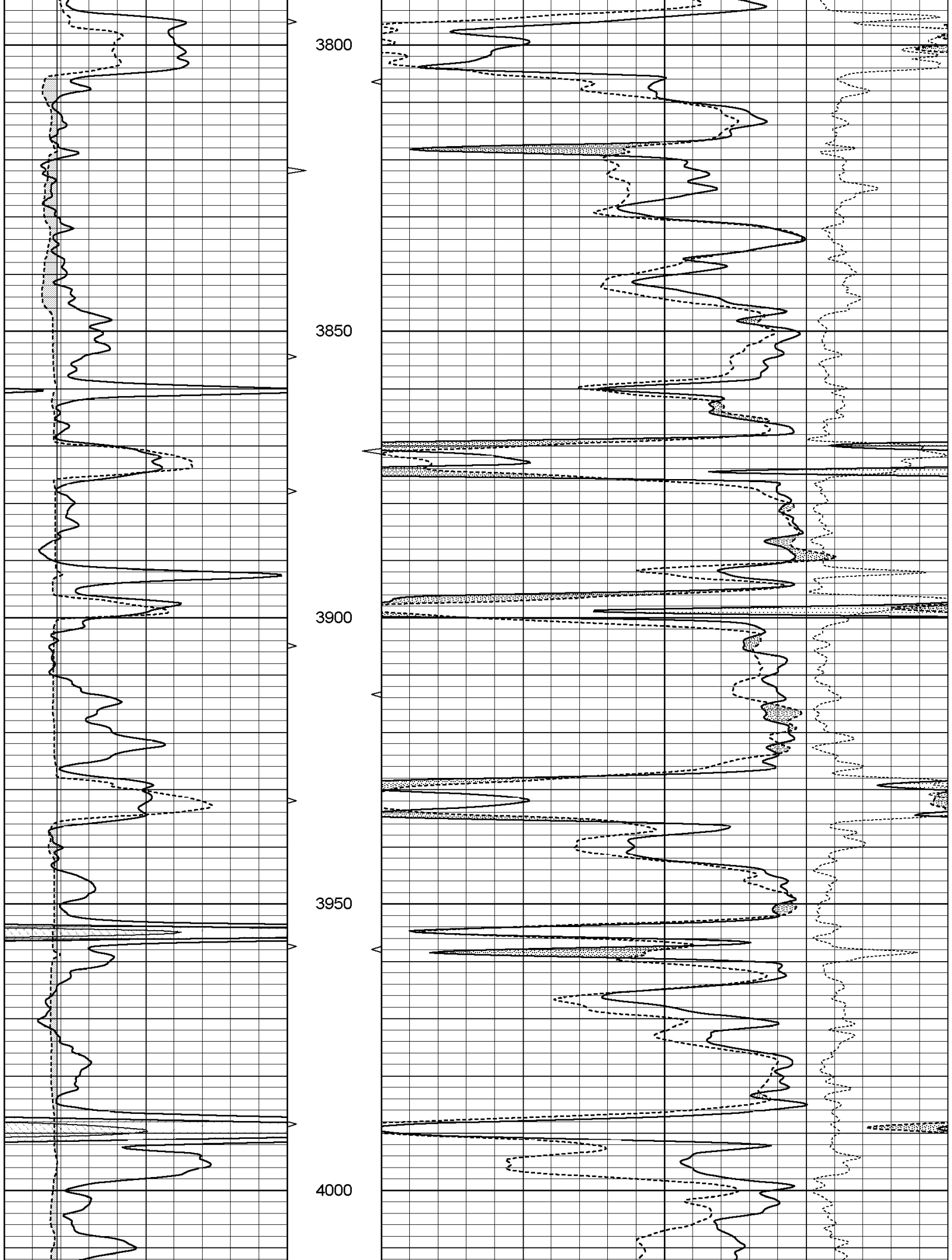
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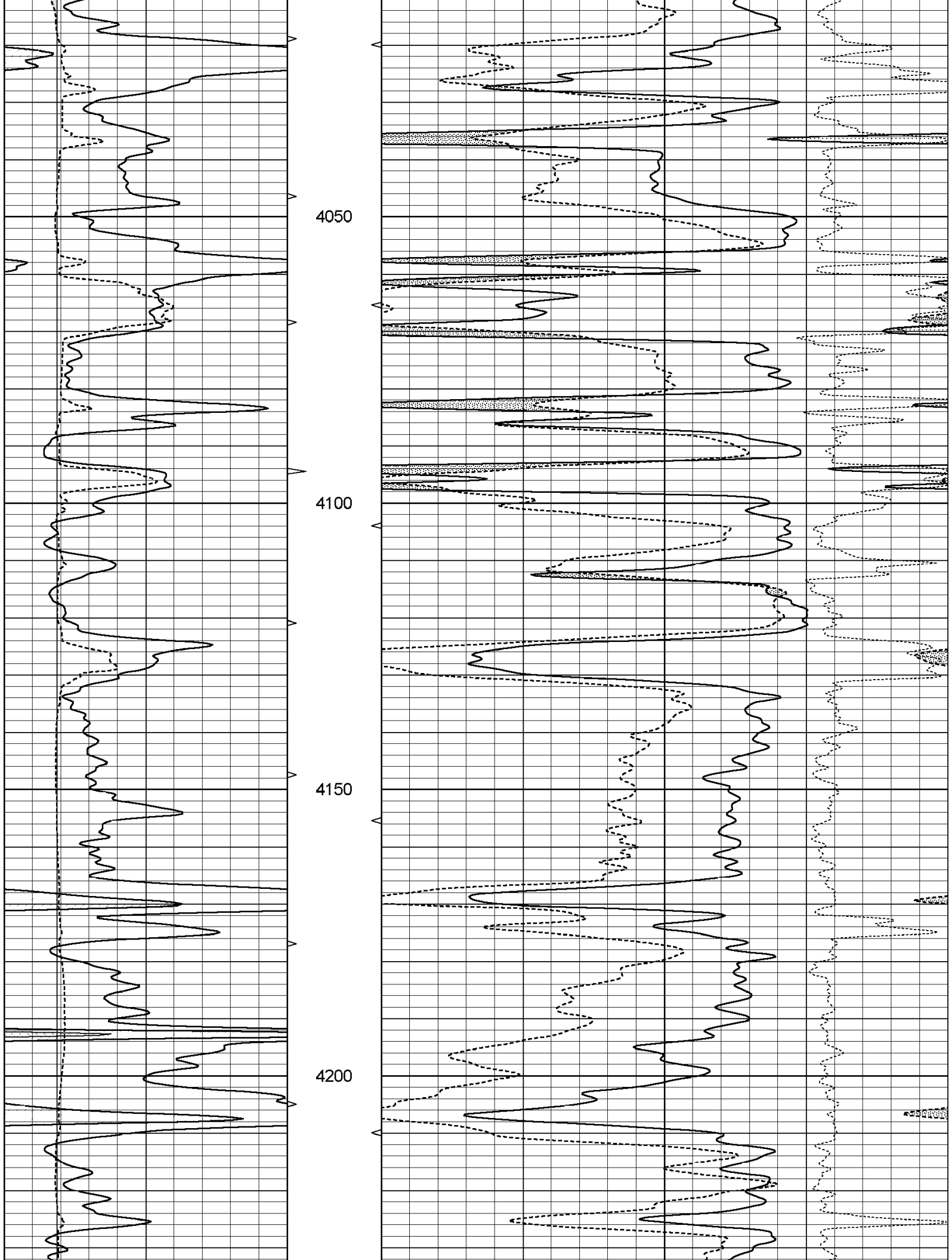
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

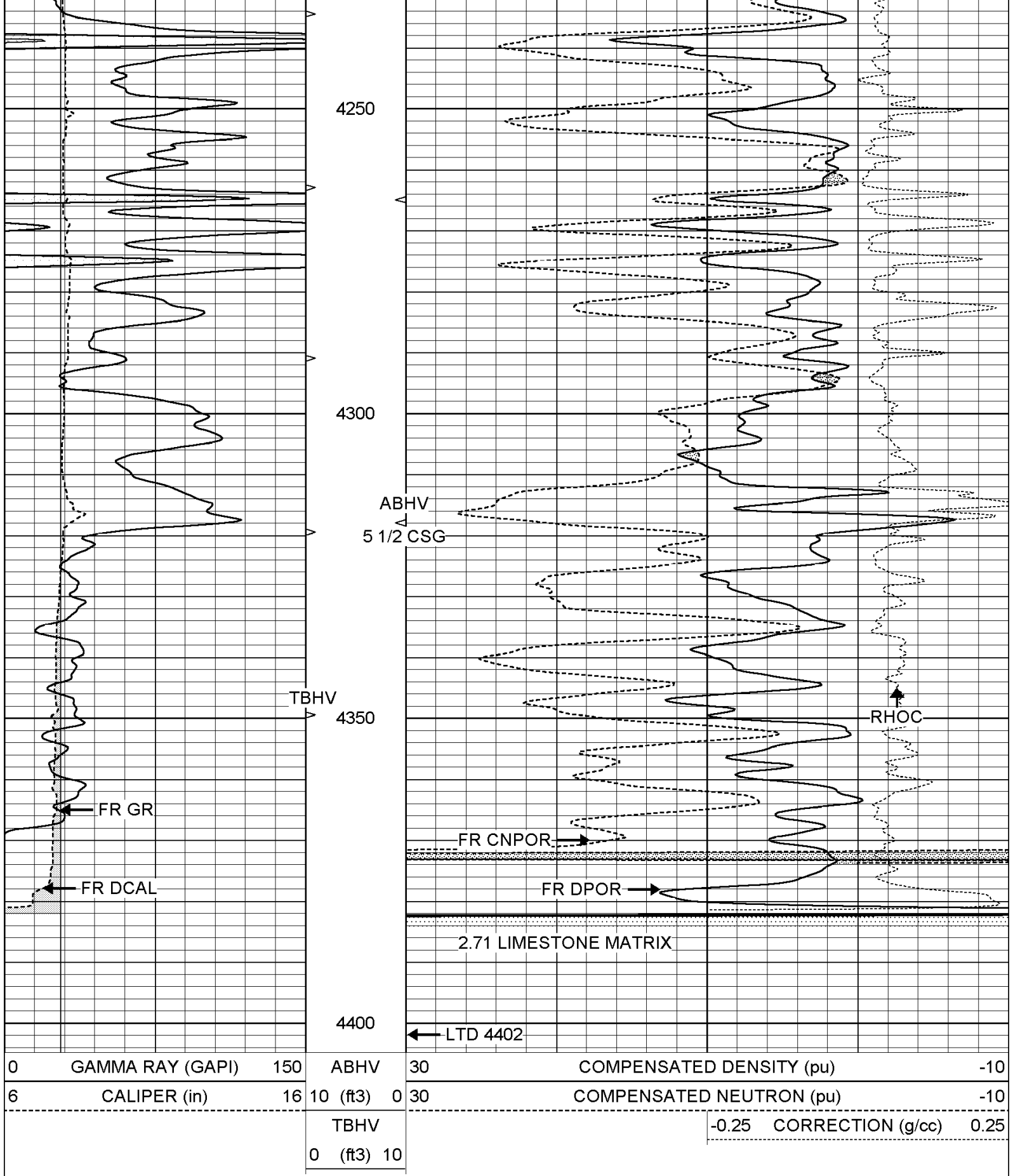
Comments

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

DIRECTIONS: PENNDENNIS; WEST TO PAWNEE RD, 5 MILES NORTH TO COUNTY LINE, 5 MILES NORTH TO ROAD 'G', 1 MILE WEST, SOUTH INTO





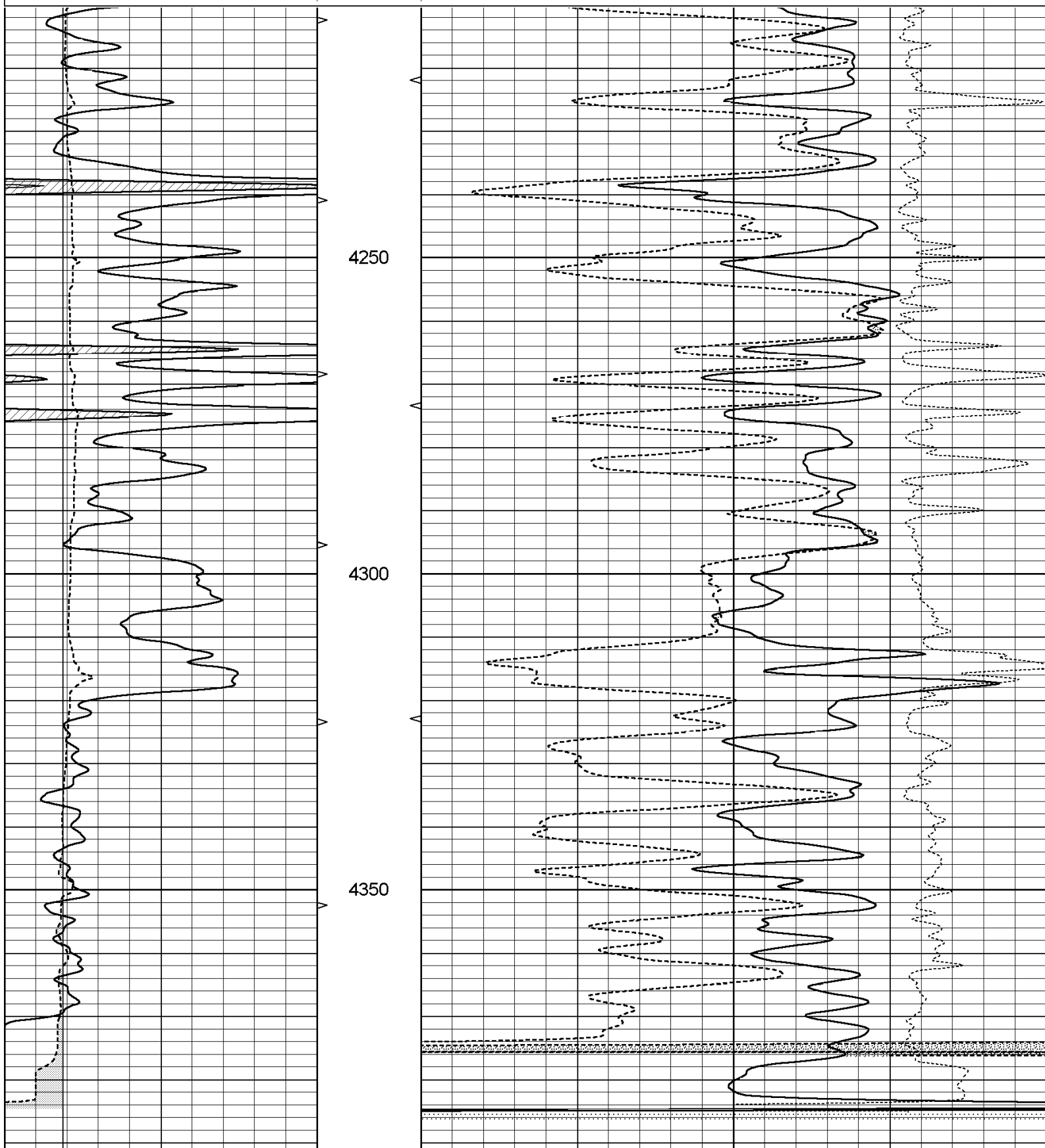


SUPERIOR
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REPEAT SECTION

3066mull.db
pass2.3
_den_neu
Tue Nov 25 07:22:31 2008 by Calc Open-Cased 070814
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
			TBHV			
			0 (ft3) 10	-0.25 CORRECTION (g/cc) 0.25		



[illegible]

Dual Induction Calibration Report

Surface Calibration

Downhole Calibration

After Survey Verification

Compensated Density Calibration Report

Master Calibration

	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	7.90	in		3.26		V	
Large Ring	14.25	in		5.41		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