

**NABORS****COMPLETION
& PRODUCTION
SERVICES CO.****COMPENSATED
DENSITY/NEUTRON
LOG**

Company	MAI OIL OPERATING, INC.		
Well	B & R DECHANT #2		
Field	RIVERSIDE SOUTHEAST		
County	NESS	State	KANSAS
Location:	APL # : 15-135-25827-00-00 1490' FNL & 1175' FEL NW - NW - SE - NE		Other Services DIL/MEL
Permanent Datum	SEC 19 TWP 20S RGE 22W	GROUND LEVEL	Elevation 2210
Log Measured From		KELLY BUSHING 9' A.G.L.	
Drilling Measured From		KELLY BUSHING	Elevation K.B. 2219 D.F. 2217 G.L. 2210
Date	11/20/14		
Run Number	ONE		
Depth Driller	4430		
Depth Logger	4426		
Bottom Logged Interval	4402		
Top Log Interval	3500		
Casing Driller	8 5/8" @ 263		
Casing Logger	260'		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 9,000 PPM	
Density / Viscosity	9.4/78		
pH / Fluid Loss	9.0/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.65 @ 70F		
Rmt @ Meas. Temp	0.49 @ 70F		
Rmc @ Meas. Temp	0.78 @ 70F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	0.37 @ 123F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	123F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	IAN MABB		
Witnessed By	WYATT URBAN		

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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.

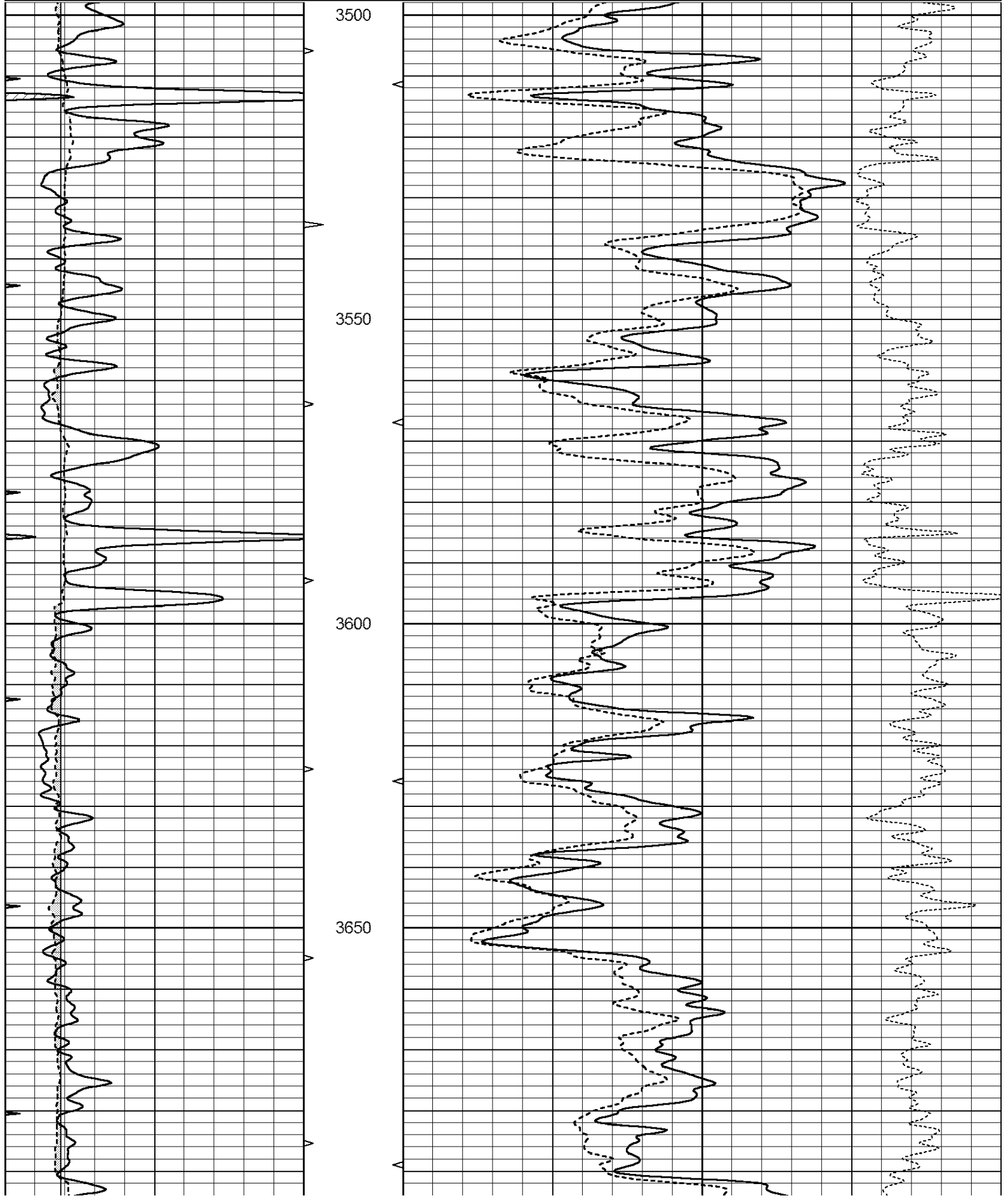
Comments

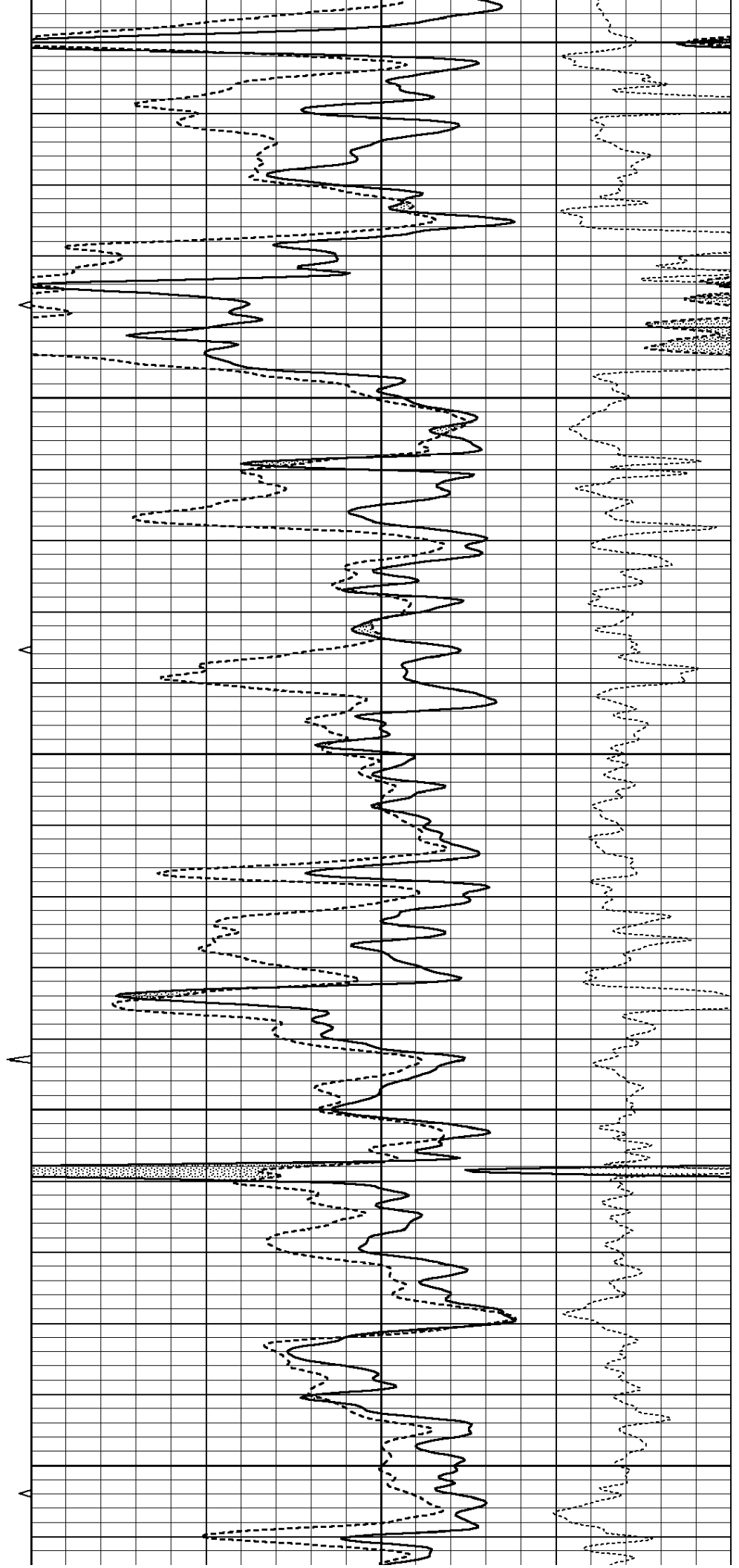
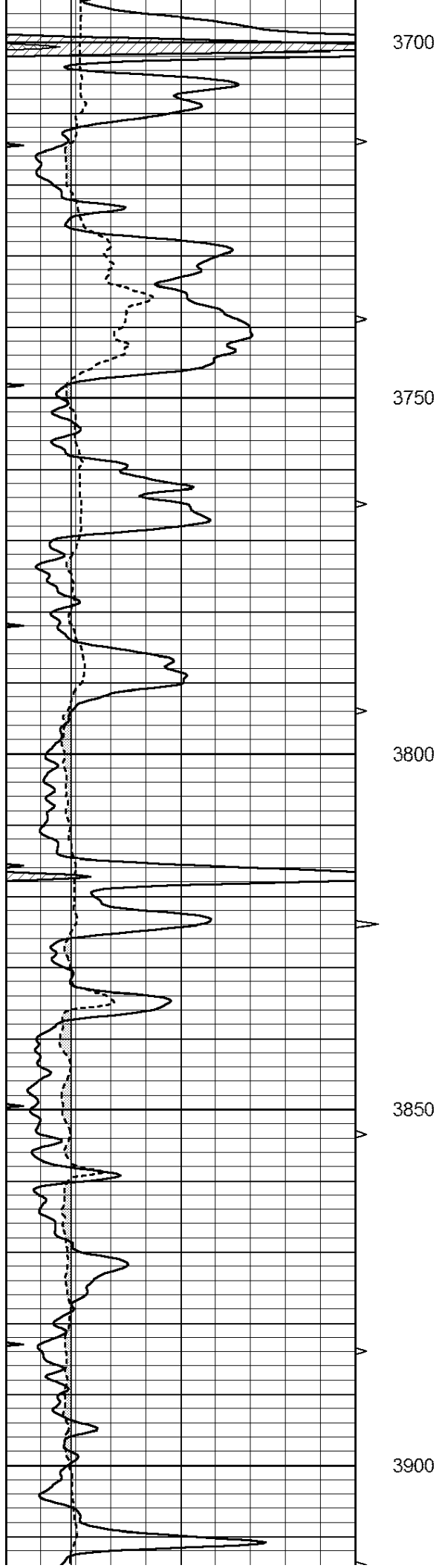
THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:

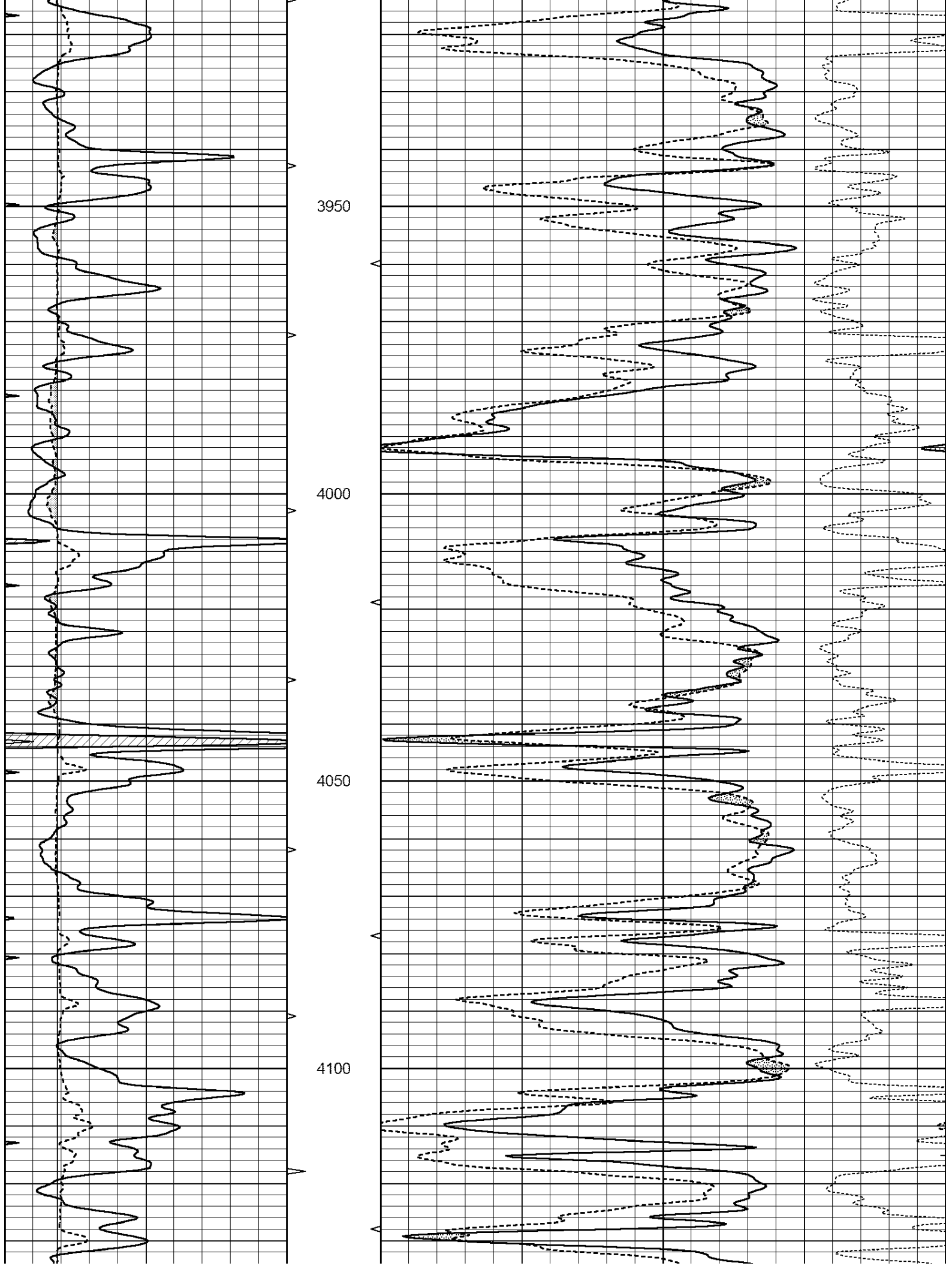
BAZINE, KS. - SOUTH 9 MILES ON DD RD TO RD 40 - WEST TO RD Y - 1/2 SOUTH - WEST INTO

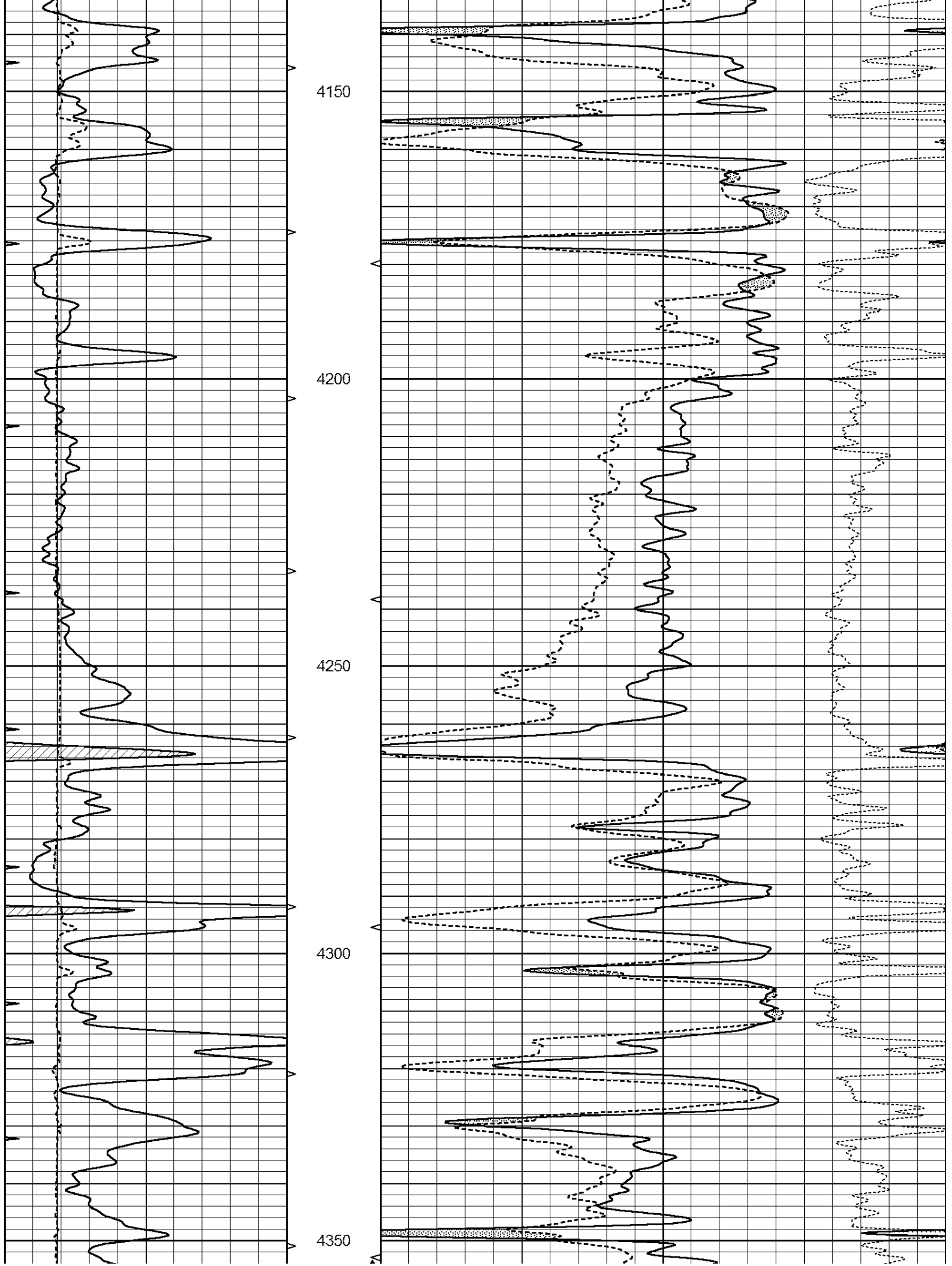
Database File: 26408ddn.db
Dataset Pathname: pass3.1
Presentation Format: den_neu
Dataset Creation: Thu Nov 20 13:49:41 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

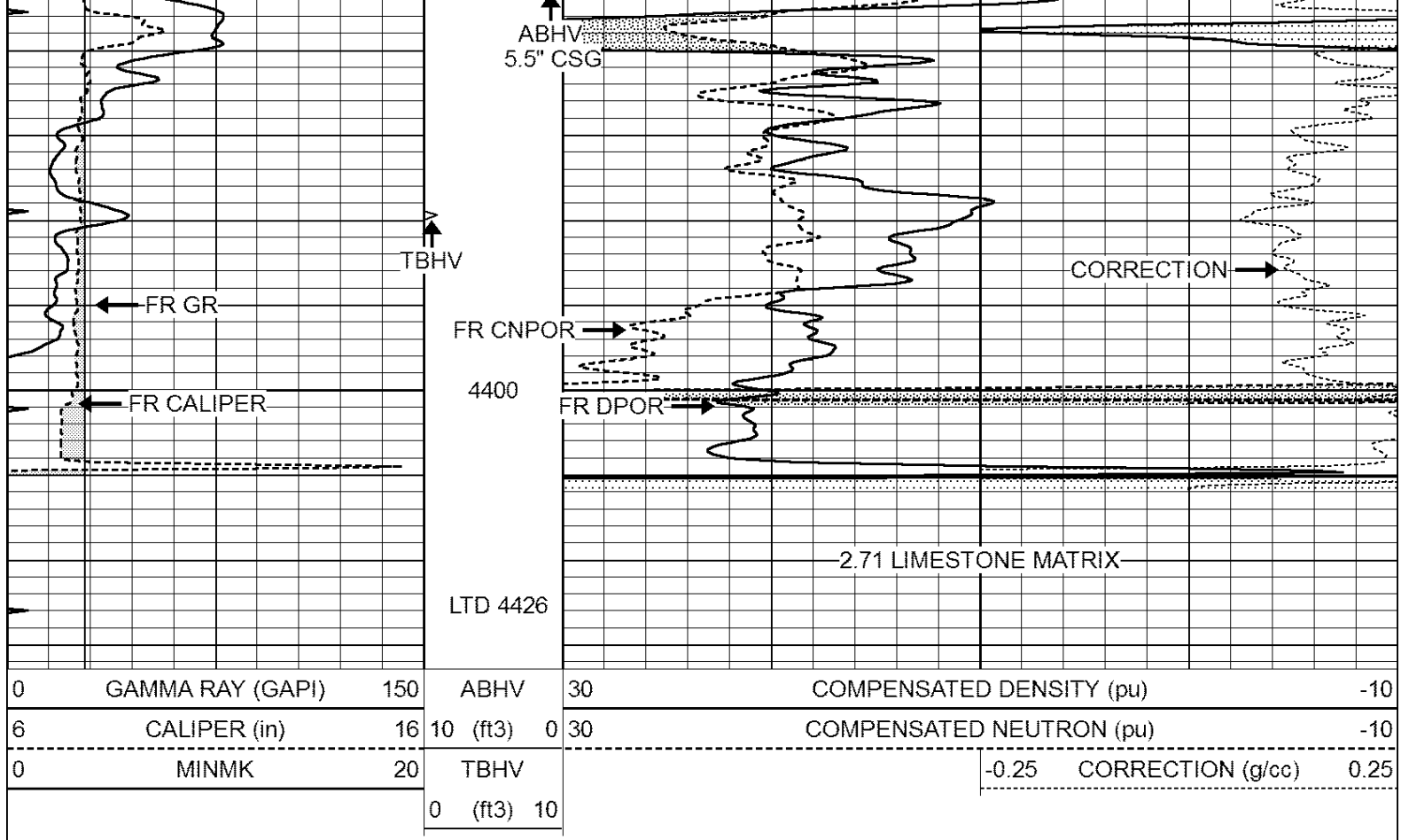
Charted by:		Depth in Feet scaled 1:2.10			
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu) -10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu) -10
0	MINMK	20	TBHV	-0.25 CORRECTION (g/cc) 0.25	
			0 (ft3) 10		







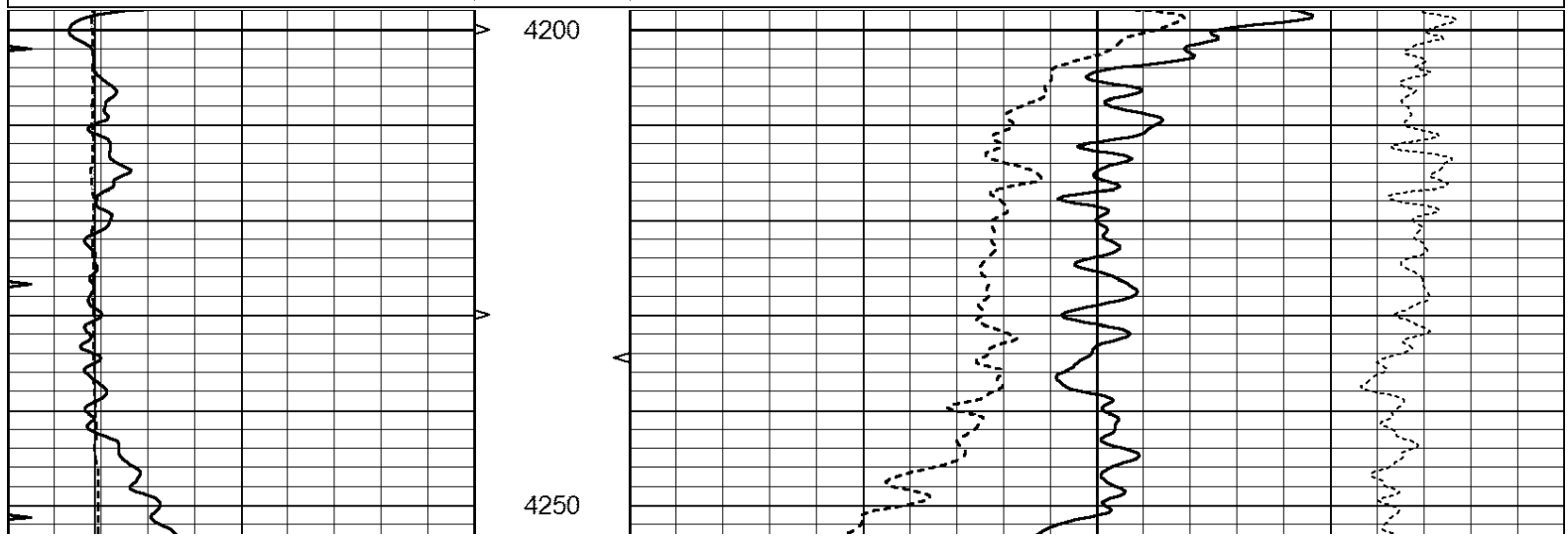


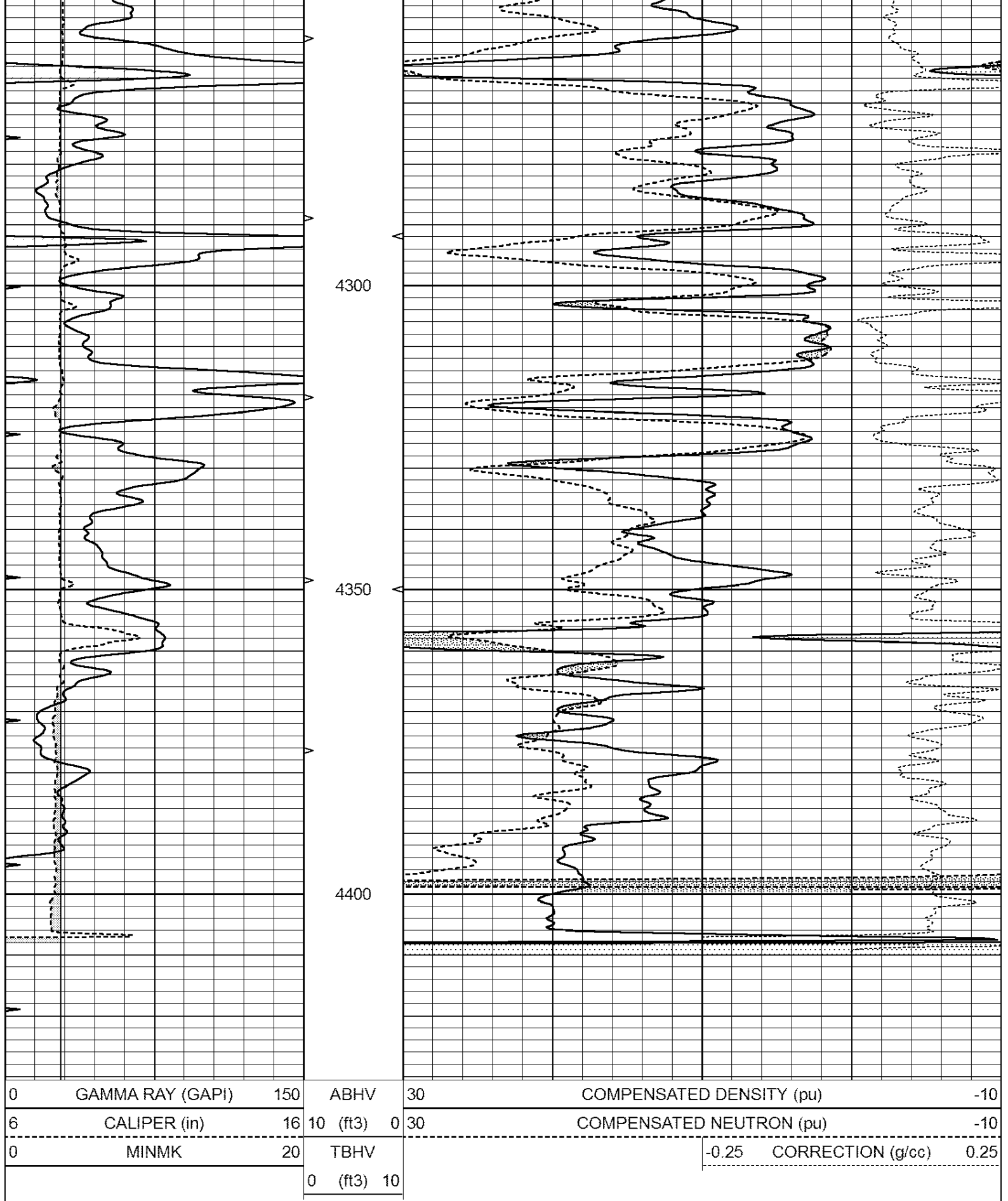


REPEAT SECTION

Database File: 26408ddn.db
 Dataset Pathname: pass2.1
 Presentation Format: den_neu
 Dataset Creation: Thu Nov 20 13:14:14 2014 by Calc Open-Cased 090629
 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: 26408ddn.db
 Dataset Pathname: pass3.1
 Dataset Creation: Thu Nov 20 13:49:41 2014 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
 Surface Cal Performed: Sun Aug 17 08:09:53 2014
 Downhole Cal Performed: Mon Jul 28 11:08:27 2008
 After Survey Verification Performed: Mon Jul 28 11:08:27 2008

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	620.000	-2.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	590.000	-16.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	mmho-m		

After Survey Verification

Readings				Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Compensated Density Calibration Report

Serial-Model: GEAR4-GEARHART
 Source / Verifier: 143 / 143
 Master Calibration Performed: Wed Sep 18 03:03:09 2013
 Before Survey Verification Performed:
 After Survey Verification Performed:

Master Calibration

Density			Far Detector	Near Detector	
Magnesium	1.710	g/cc	1075.98	532.39	cps
Aluminum	2.560	g/cc	286.51	422.88	cps
Spine Angle = 80.13			Density/Spine Ratio = 0.633		
Size			Reading		
Small Ring	8.00	in	3.21	V	
Large Ring	14.00	in	5.46	V	

Before Survey Verification

Target	Measured
g/cc	g/cc

		g/cc				g/cc	
After Survey Verification							
		Target				Measured	
		g/cc				g/cc	
		g/cc				g/cc	
		g/cc				g/cc	
Compensated Neutron Calibration Report							
		Serial Number:		6l			
		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	
PRE-SURVEY VERIFICATION							
Detector		Readings		Measured		Target	
1)	Short Space	cps					
	Long Space	cps		pu		pu	
2)	Short Space	cps					
	Long Space	cps		pu			
3)	Short Space	cps					
	Long Space	cps		pu			
POST-SURVEY VERIFICATION							
Detector		Readings		Measured		Target	
1)	Short Space	cps					
	Long Space	cps		pu		pu	
2)	Short Space	cps					
	Long Space	cps		pu		pu	
3)	Short Space	cps					
	Long Space	cps		pu		pu	
Gamma Ray Calibration Report							
Serial Number:		GR6					
Tool Model:		OPEN					
Performed:		Sun Aug 17 15:23:09 2014					
Calibrator Value:		150.0		GAPI			
Background Reading:		0.0		cps			
Calibrator Reading:		276.0		cps			
Sensitivity:		0.7000		GAPI/cps			