



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

COMPENSATED DENSITY / NEUTRON LOG

Company		DOUBLE D'S, LLC.	
Well		YOUNGER #1	
Field		IRVIN	
County		ELLIS	
State		KANSAS	
Location:		API # : 15-051-26396-00-00 1040' FNL & 330' FWL S2 - SW - NW - NW	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 6' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 25 TWP 13S RGE 20W		Elevation	
		K.B. 2131	
		D.F. 2129	
		G.L. 2125	
Date	11/15/12		
Run Number	ONE		
Depth Driller	3850		
Depth Logger	3850		
Bottom Logged Interval	3826		
Top Log Interval	3000		
Casing Driller	8 5/8" @ 220		
Casing Logger	218		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 10,000 PPM	
Density / Viscosity	9.3/48		
pH / Fluid Loss	9.5/10.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.45 @ 91F		
Rmf @ Meas. Temp	0.34 @ 91F		
Rmc @ Meas. Temp	0.54 @ 91F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.36 @ 114F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	114F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	IAN MABB	JEFF GRONEMEG	
Witnessed By	AL DOWNING		

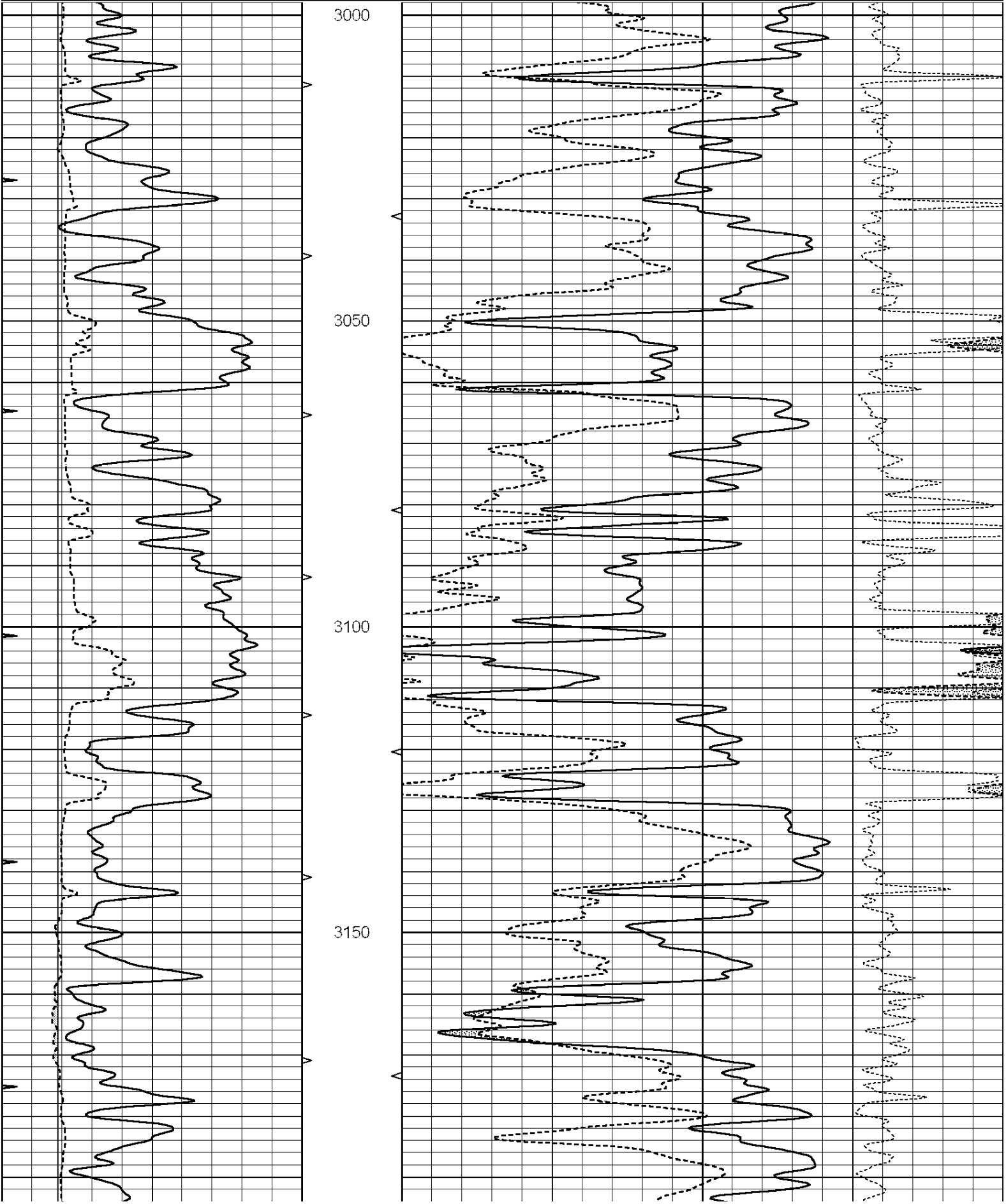
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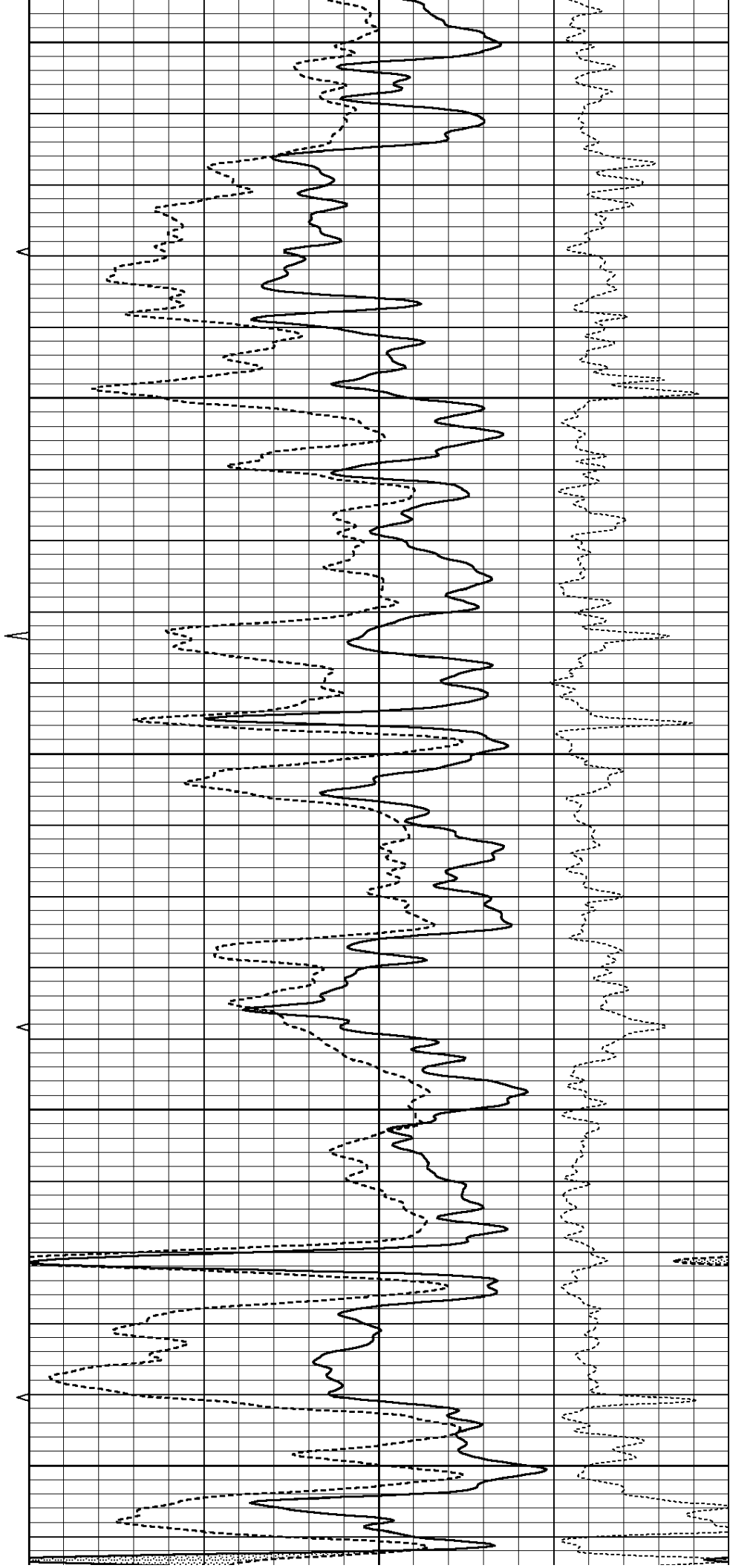
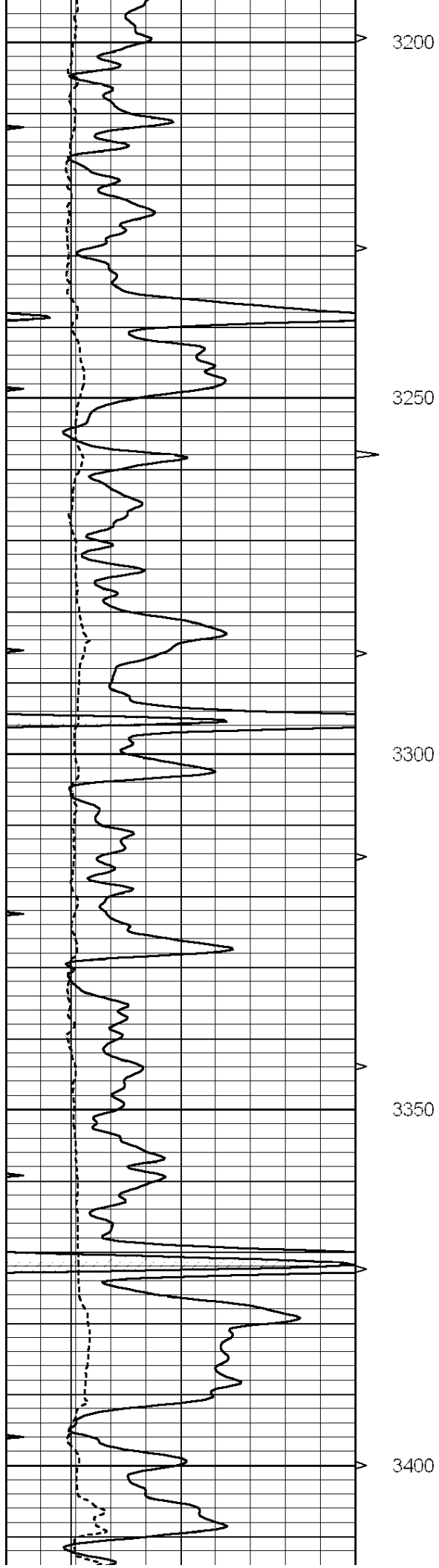
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

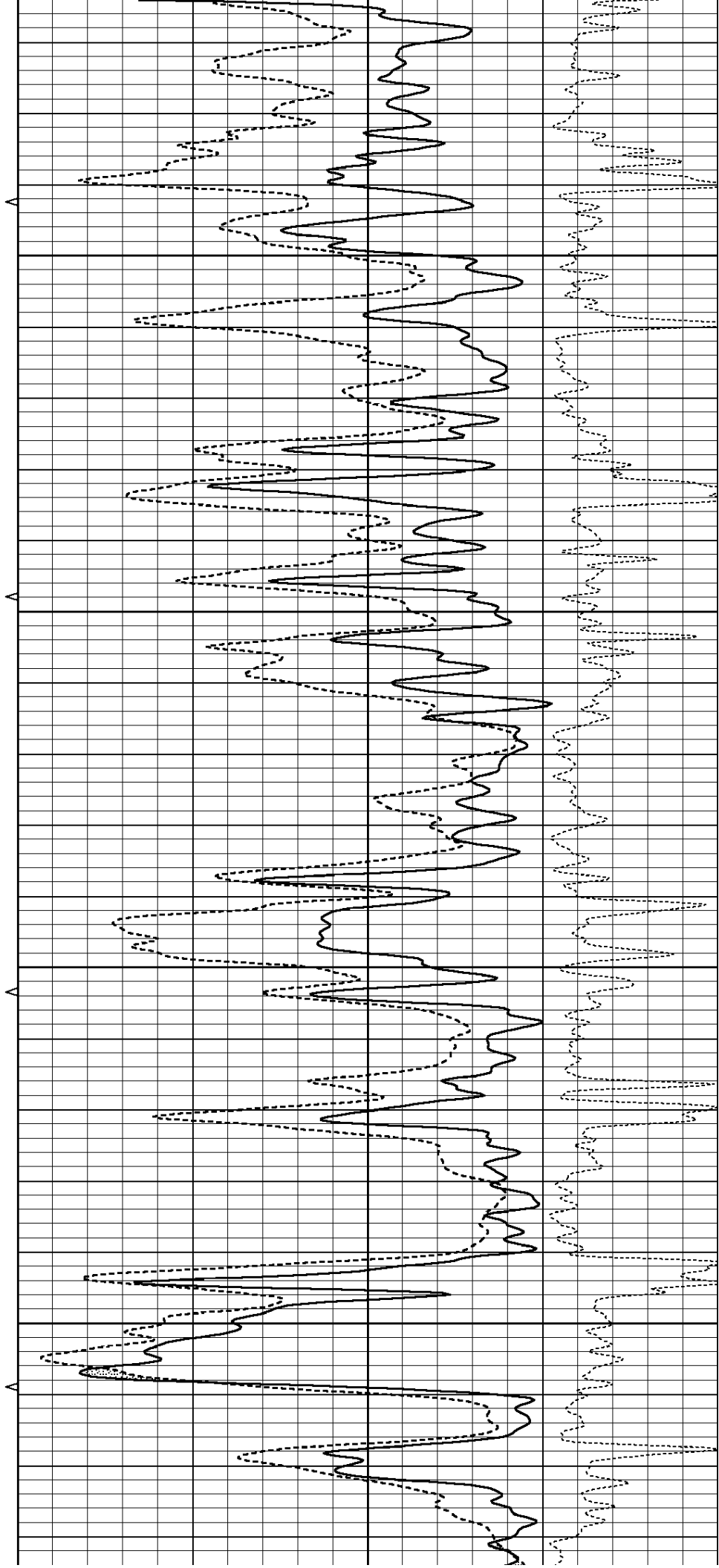
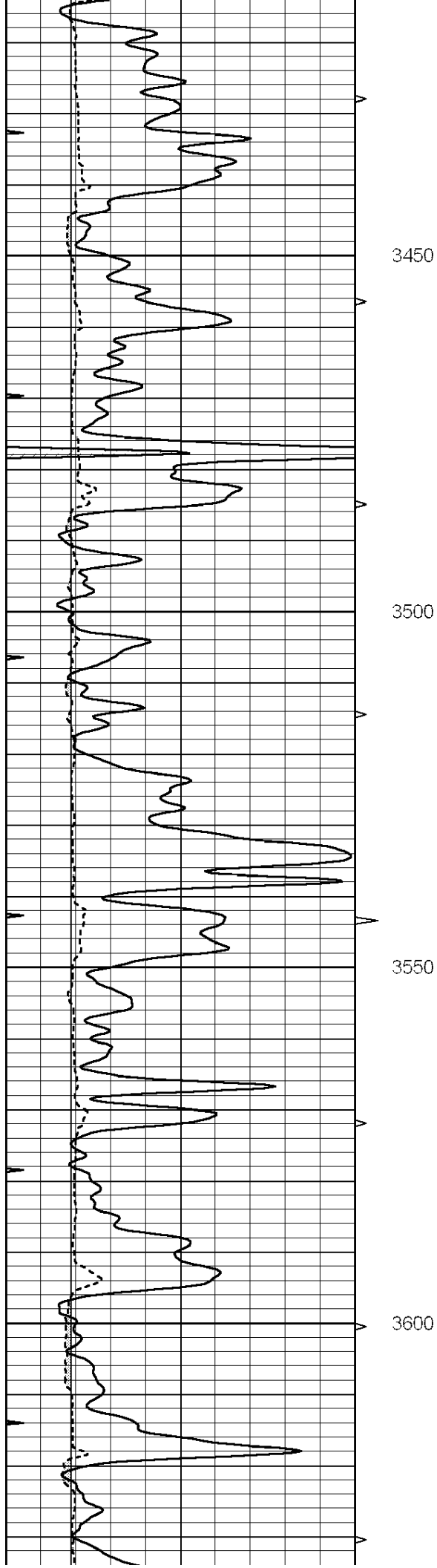
Comments

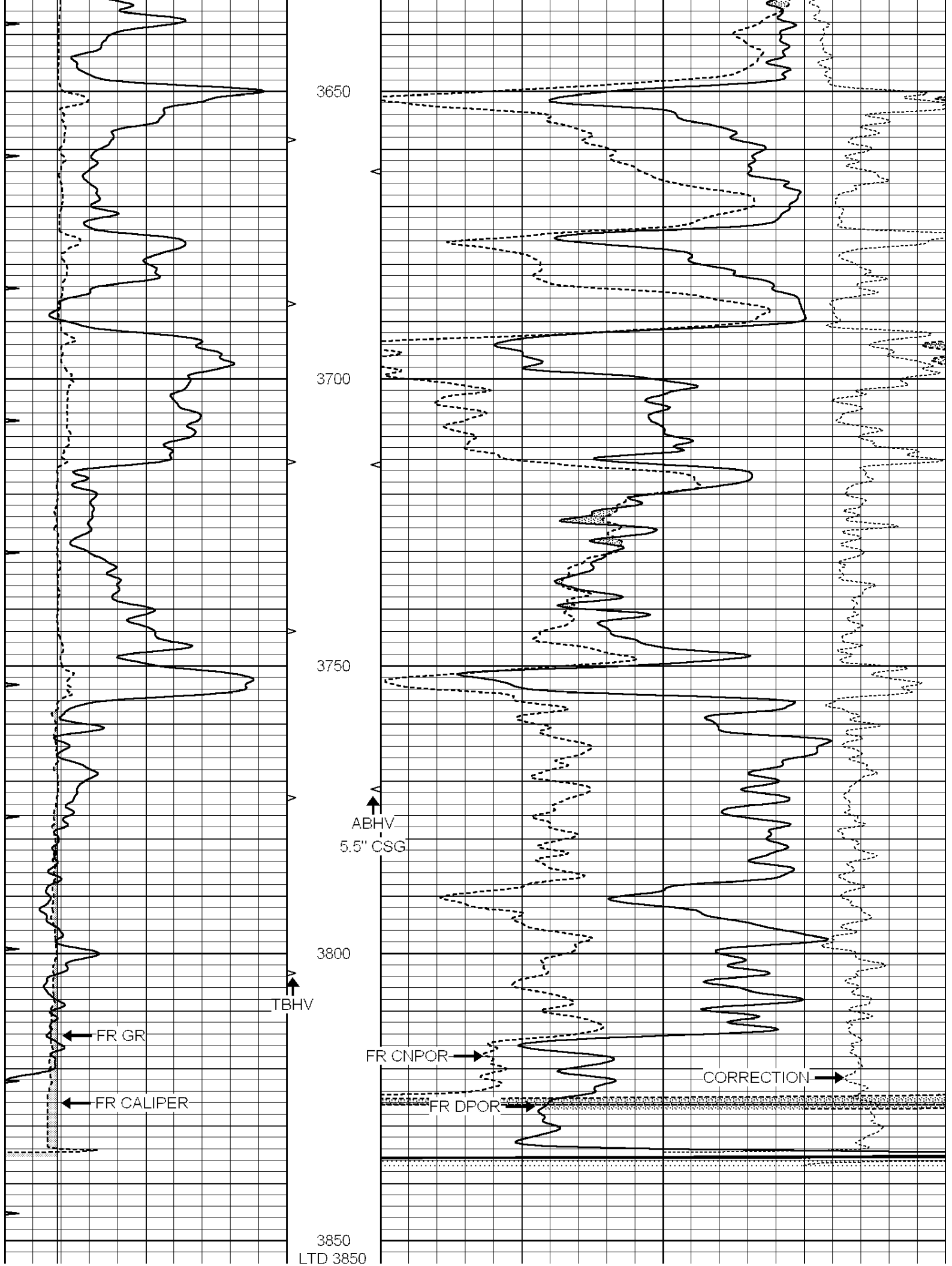
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
 DIRECTIONS
 YOCEMENTO, KS. - 4 1/2 WEST ON HWY 40, 2 1/2 SOUTH ON 150 TH EAST INTO

Charted by: Depth in Feet scaled 1:2.15											
0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)					-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)					-10
0	MINMK	20	BVTX						-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10							









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

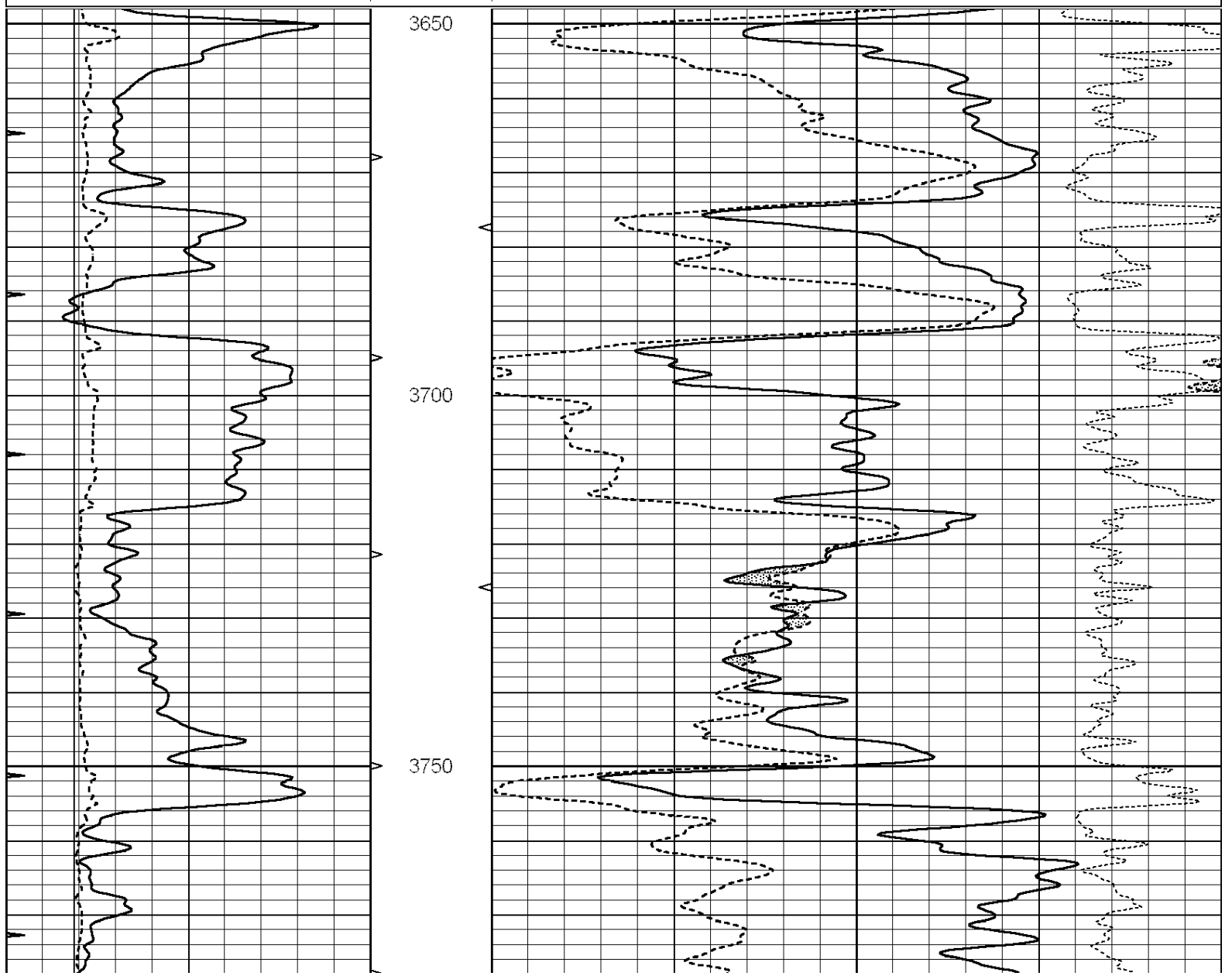


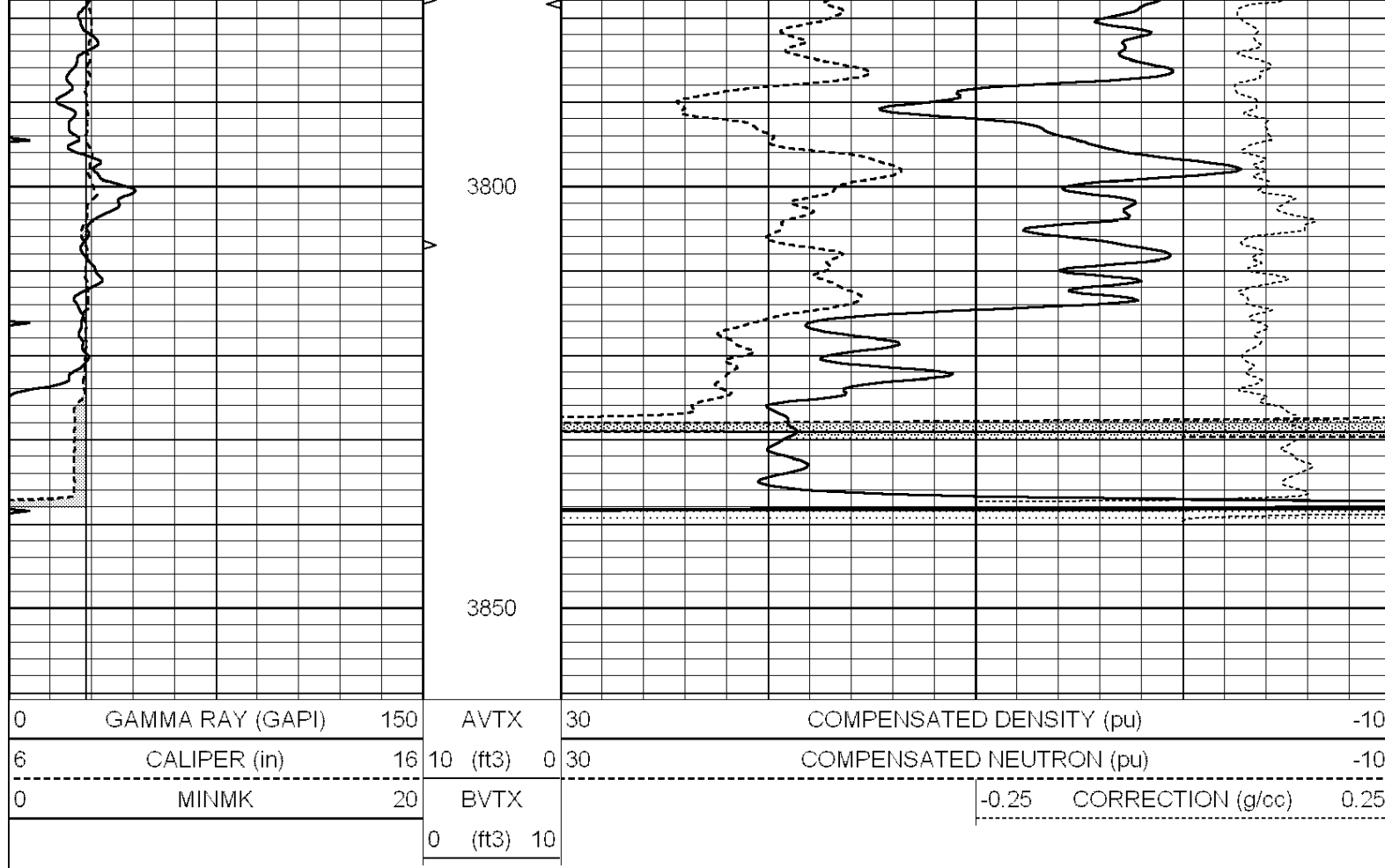
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REPEAT SECTION

Database File: 010129ddn.db
Dataset Pathname: pass3.1
Presentation Format: _den_neu
Dataset Creation: Thu Nov 15 08:31:58 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

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





Calibration Report

Database File: 010129ddn.db
Dataset Pathname: pass4.4
Dataset Creation: Thu Nov 15 09:02:51 2012 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
Surface Cal Performed: Fri Aug 01 06:33:19 2008
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	632.616	-9.730
Medium	0.029	0.796	V	0.000	464.000	mmho/m	605.049	-17.680
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:	Mon Mar 19 19:07:19 2012

Master Calibration						
	Density			Far Detector	Near Detector	
Magnesium	1.710	g/cc		1015.91	497.51	cps
Aluminum	2.600	g/cc		227.67	350.20	cps
Spine Angle = 76.79			Density/Spine Ratio = 0.579			
	Size			Reading		
Small Ring	8.00	in		3.21	V	
Large Ring	14.00	in		5.46	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:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps