



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY/NEUTRON
LOG

Company	STARR F. SCHLOBOHM	Company	CAPTIVA II
Well	EAKIN UNIT #2-7	Well	EAKIN UNIT #2-7
Field	WILDCAT	Field	WILDCAT
County	PAWNEE	County	PAWNEE
State	KANSAS	State	KANSAS
Location:	API # : 15-145-21626-0000	Other Services	DIL MEL/SON
Permanent Datum	GROUND LEVEL	Elevation	2007
Log Measured From	KELLY BUSHING 11' A.G.L.	Elevation	K.B. 2018 D.F. 2016 G.L. 2007
Drilling Measured From	KELLY BUSHING		
SEC 7 TWP 22S RGE 16W			
2075' FSL & 1500' FEL SE - NE - NW - SE			
1/11/11	ONE		
4025			
4026			
4002			
3400			
8 5/8" @ 1035'			
1035'			
7 7/8			
CHEMICAL MUD	CHLORIDES 6000 PPM		
9.4 / 62			
9.5 / 8.0			
FLOWLINE			
1.10 @ 65F			
0.83 @ 65F			
1.32 @ 65F			
MEASURED			
0.62 @ 116F			
2 HOURS			
116F			
680			
HAYS, KS.			
JEFF GRONEMEG			
CHARLIE STURDAVANT			

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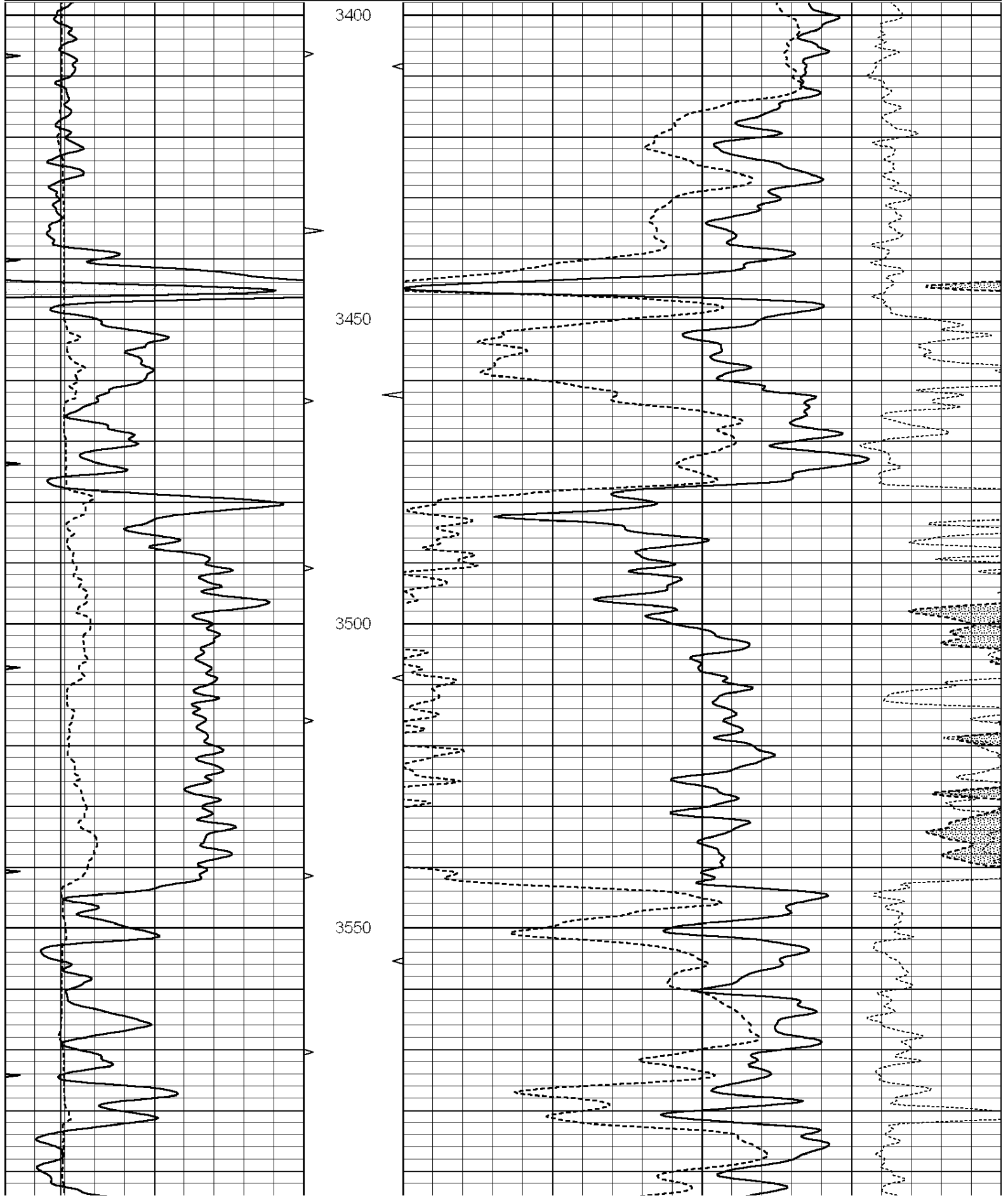
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

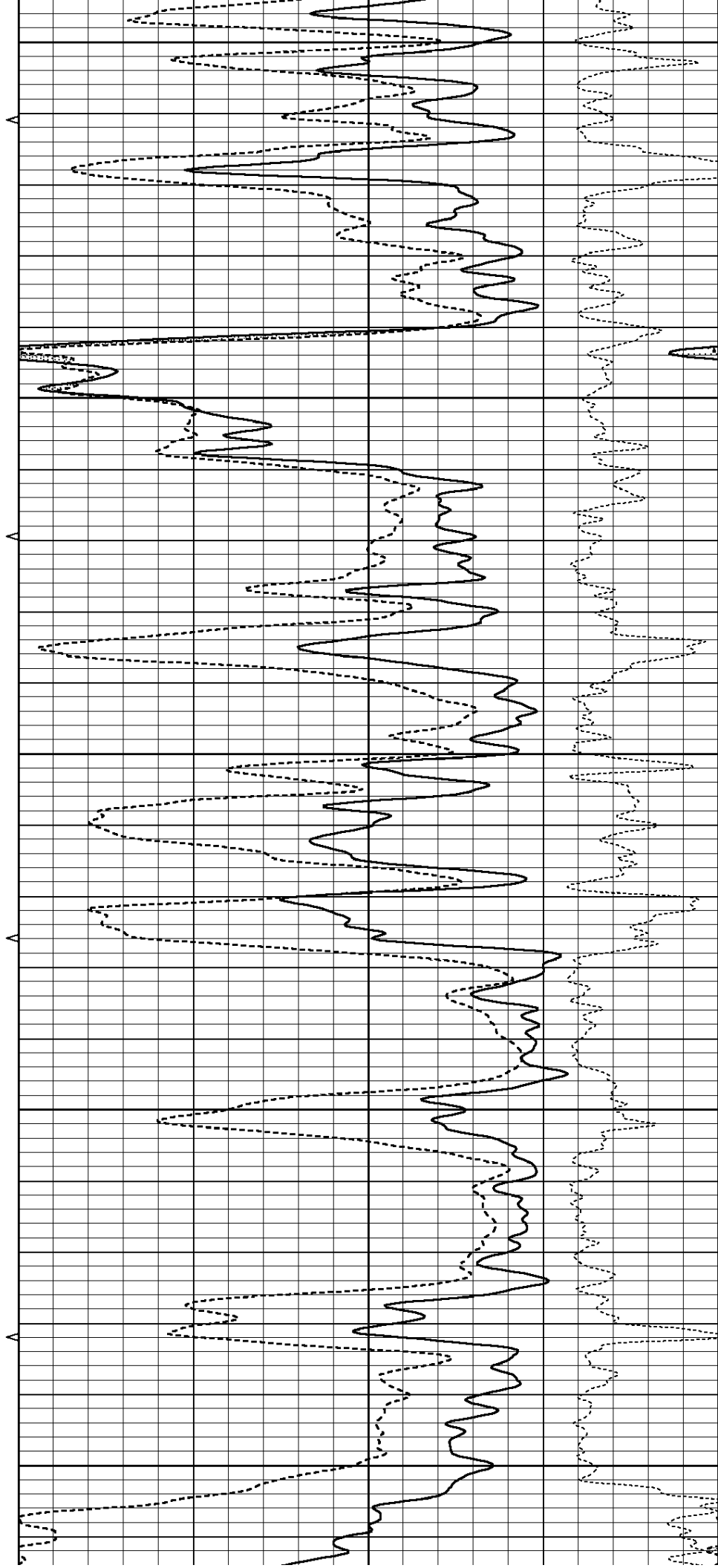
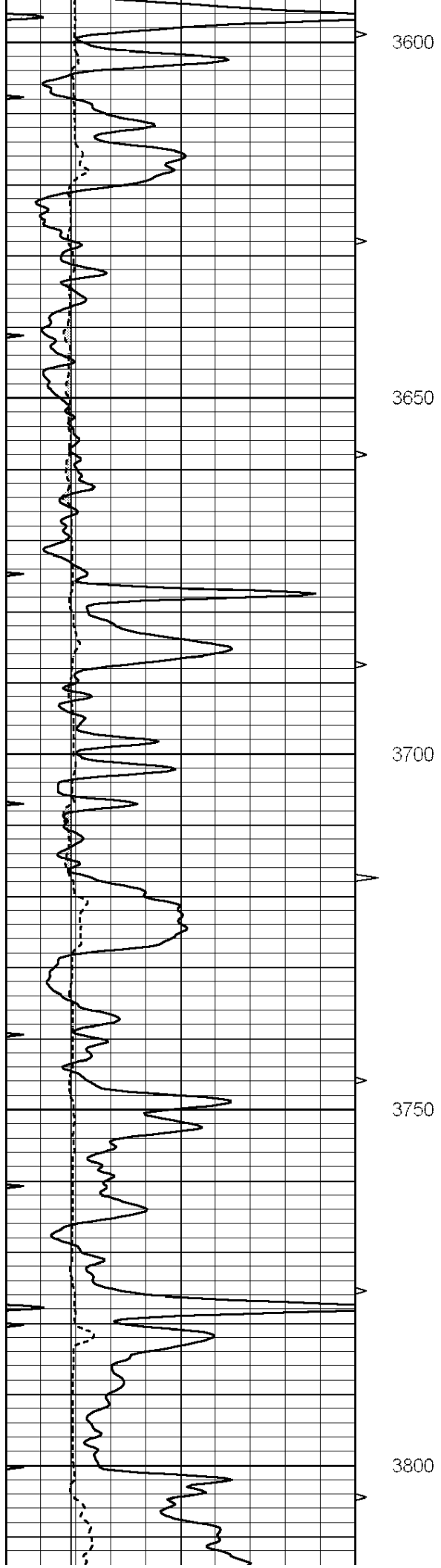
Comments

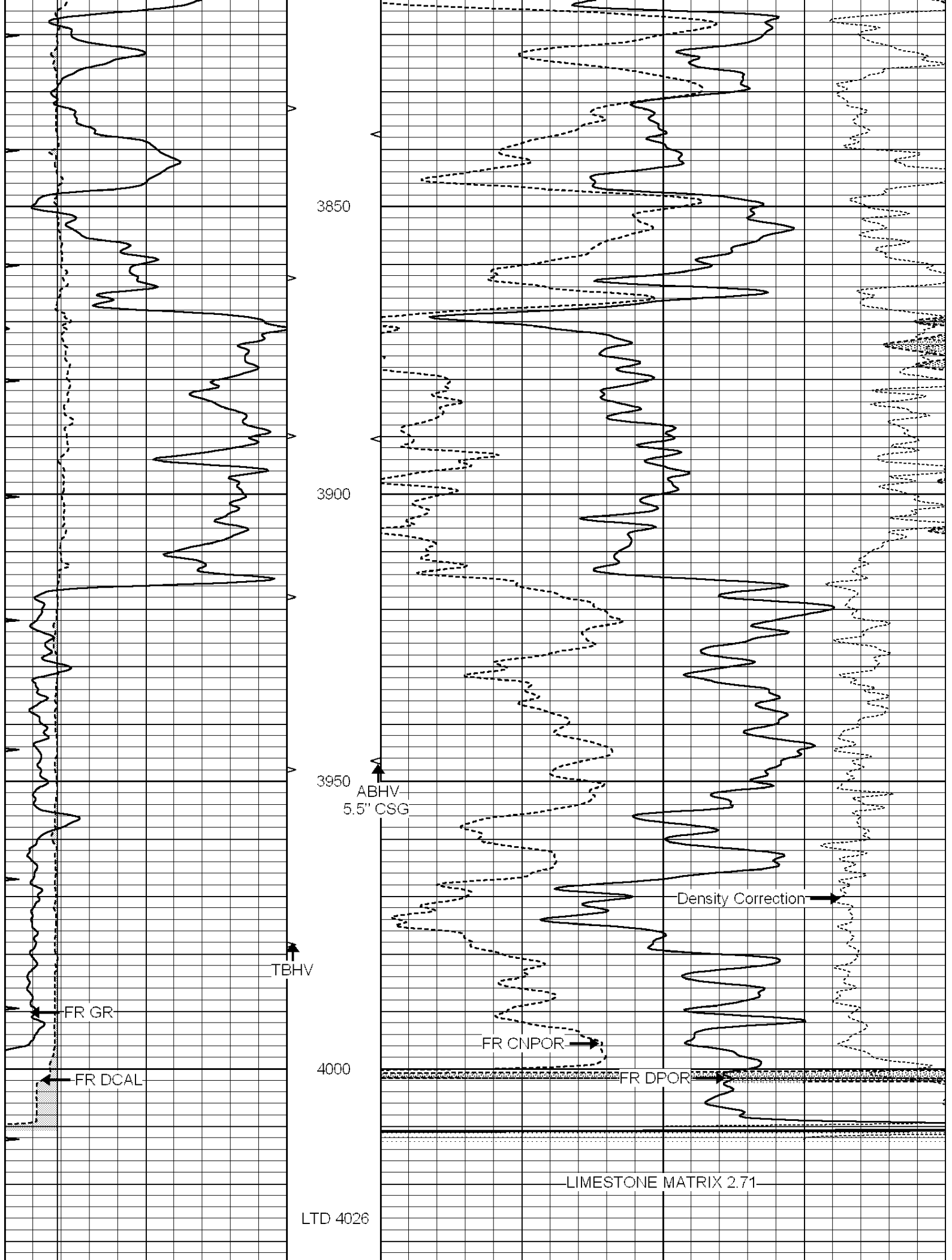
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS

LARNED, KS - SOUTHWEST ON HWY 56 ACROSS PAWNEE RIVER BRIDGE - 1/2 MILE PAST BRIDGE
1/2 MILE SOUTH - WEST 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					



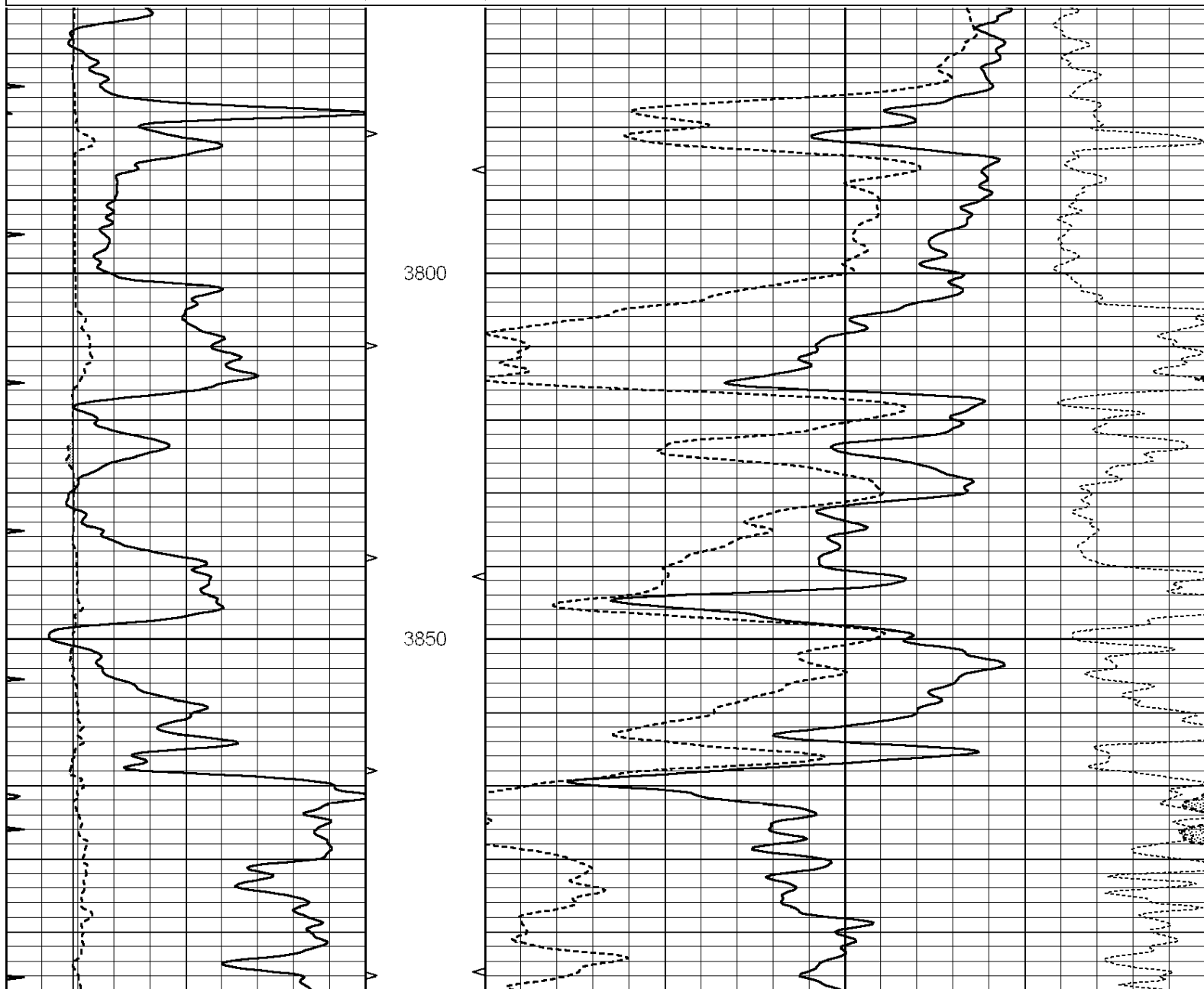
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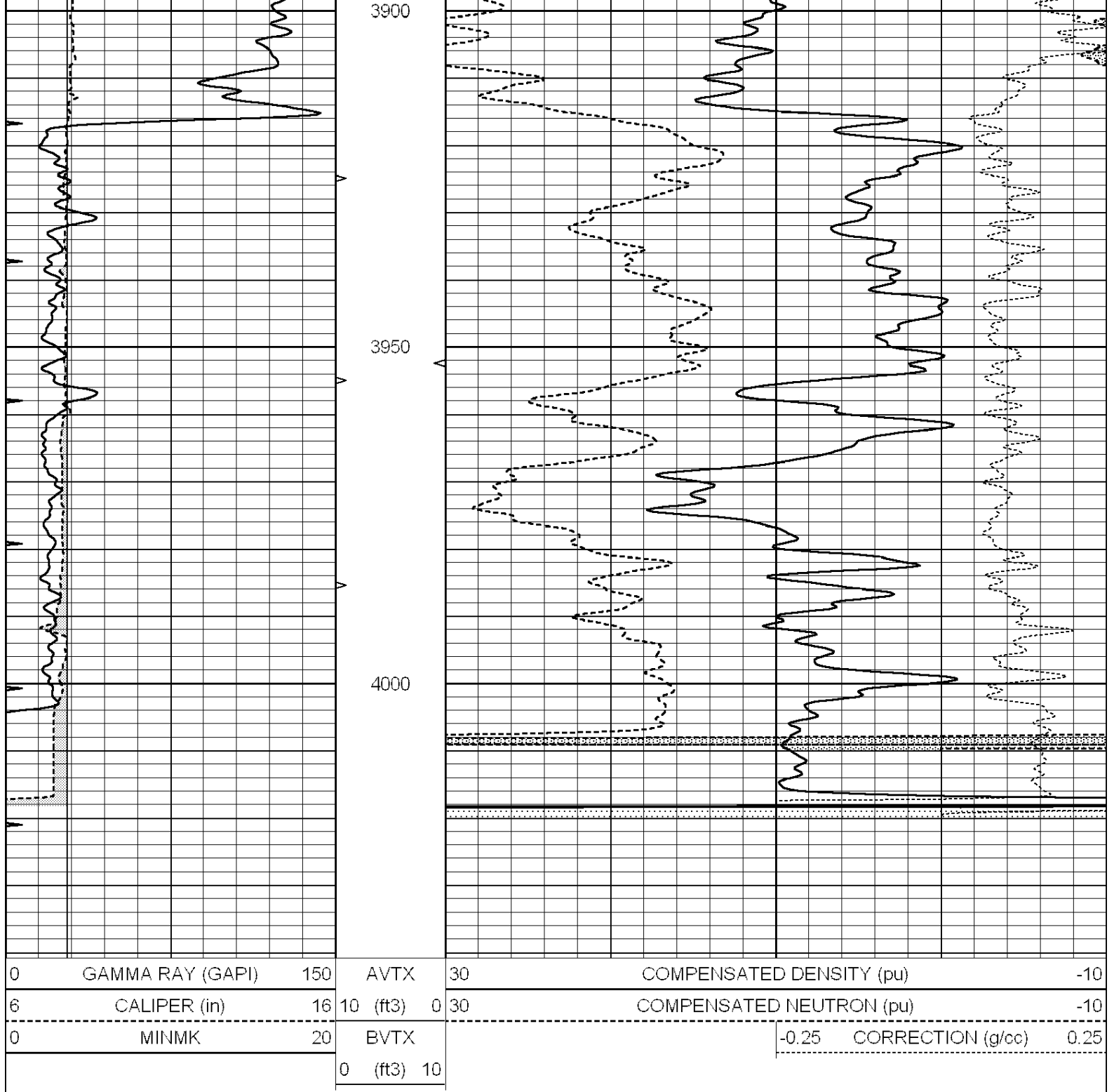
Hays,
Kansas

REPEAT SECTION

Database File: 006444.db
Dataset Pathname: pass2.3
Presentation Format: _den_neu
Dataset Creation: Tue Jan 11 18:37:52 2011 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					



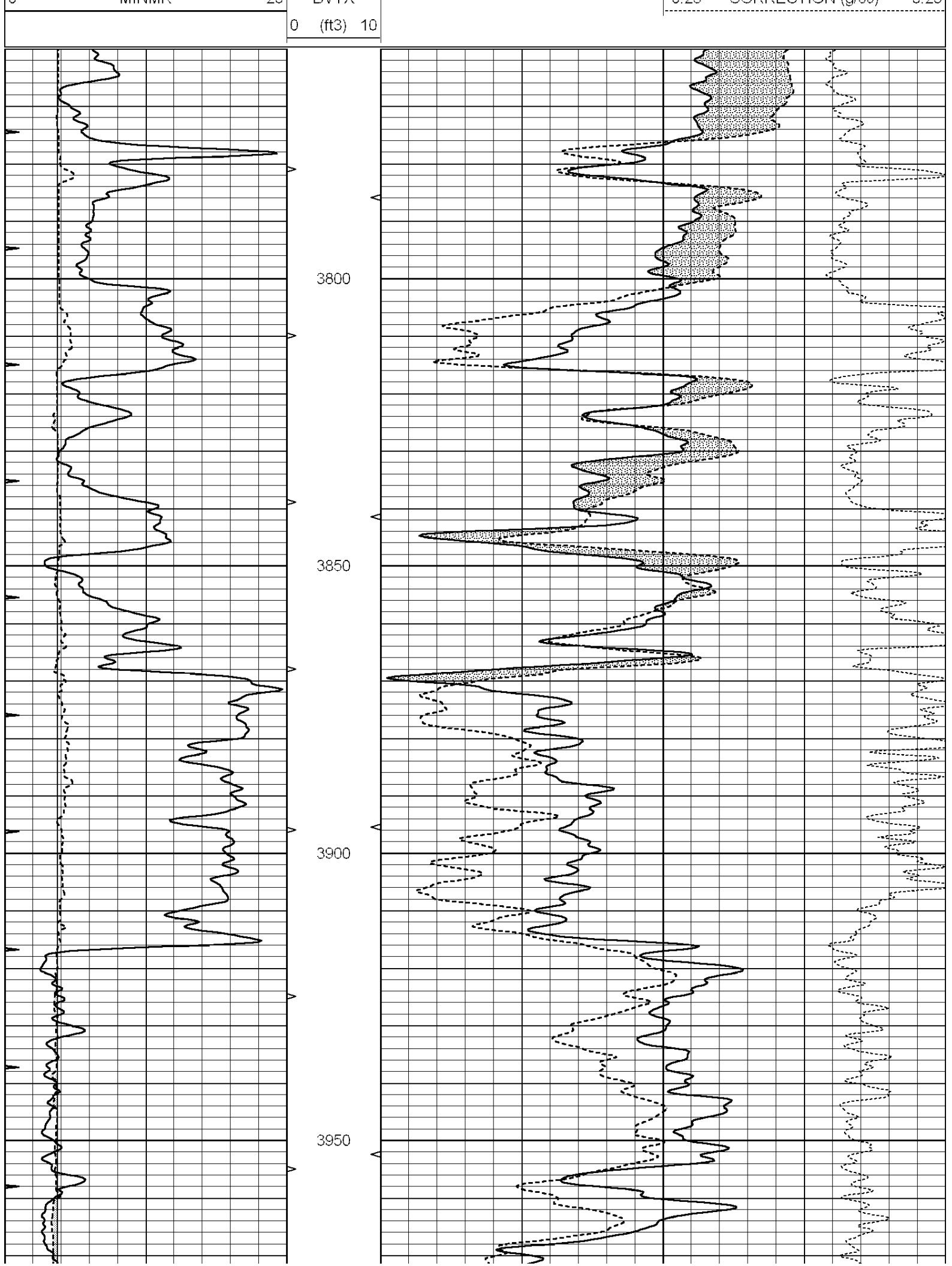


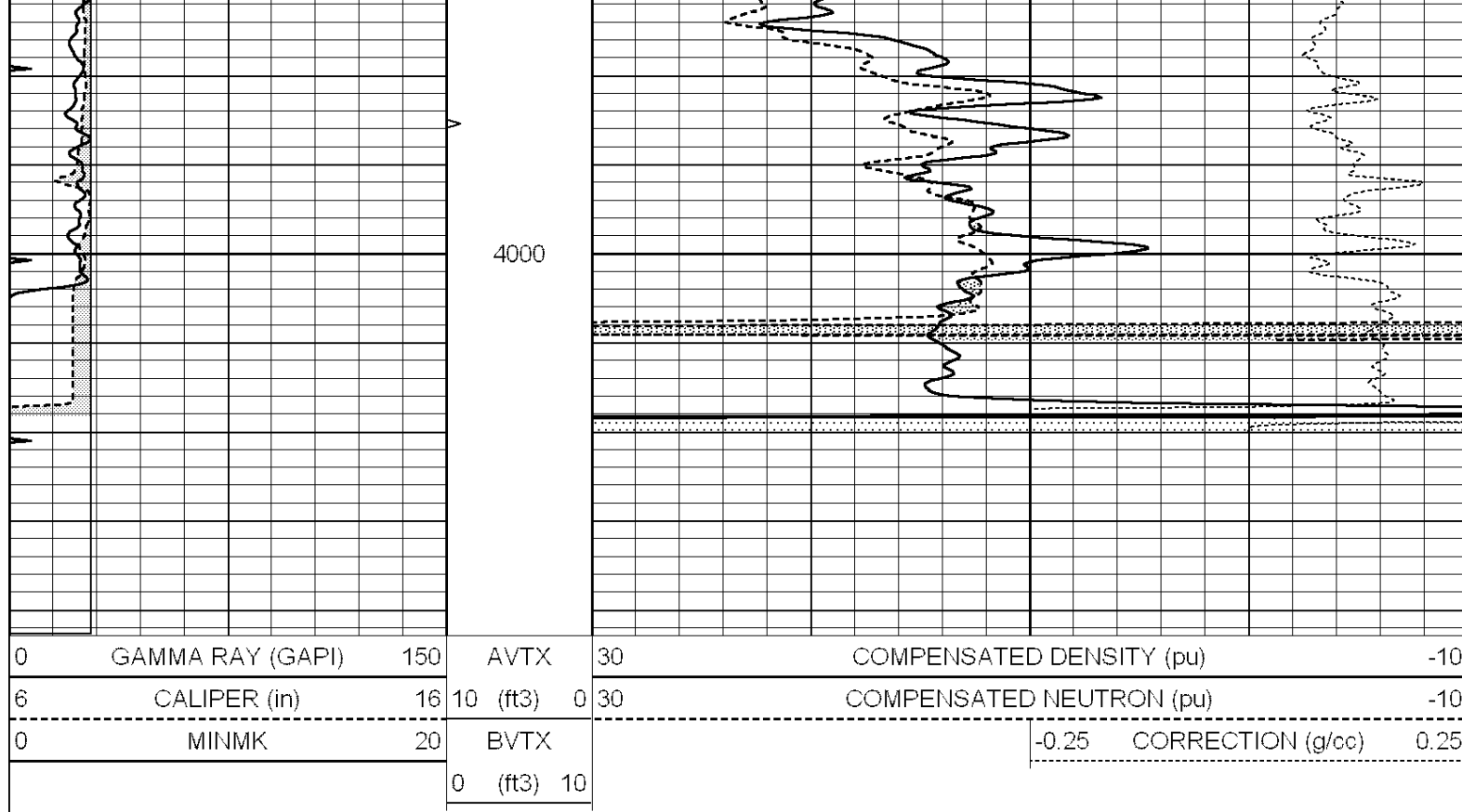
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DOLOMITE MATRIX 2.81

Database File: 006444.db
 Dataset Pathname: pass2.2.D
 Presentation Format: _den_neu
 Dataset Creation: Tue Jan 11 17:59:14 2011
 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)
0	MINMK	20	BVTX		-0.25	CORRECTION (g/cc)





Calibration Report

Database File: 006444.db
 Dataset Pathname: pass3.2
 Dataset Creation: Tue Jan 11 18:24:24 2011 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE7-DILG
 Surface Cal Performed: Wed Jul 30 06:14:24 2008
 Downhole Cal Performed: Mon Jul 28 12:02:56 2008
 After Survey Verification Performed: Mon Jul 28 12:02:56 2008

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	621.923	8.759
Medium	0.039	0.728	V	0.000	464.000	mmho/m	673.322	-26.058
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	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: Tue May 11 10:59:10 2010

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1015.91	497.51	cps
Aluminum	2.580	g/cc	227.67	350.20	cps
Spine Angle = 76.79			Density/Spine Ratio = 0.566		
	Size		Reading		
Small Ring	8.00	in	2.50	V	
Large Ring	14.00	in	4.70	V	

Compensated Neutron Calibration Report

Serial Number: 5I
 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: Wed Jul 14 14:14:30 2010

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 276.0 cps

Sensitivity: 0.7635 GAPI/cps