



**SUPERIOR
Hays,
Kansas**

**COMPENSATED
DENSITY / NEUTRON
LOG**

Company	GREAT PLAINS ENERGY, INC.		
Well	MOFFET #1-32		
Field			
County	NORTON	State	KANSAS
Location:	API # : 15-137-20573		Other Services DIL MICRO/SONIC
SEC 32 TWP 2S RGE 23W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	2305
Log Measured From	KELLY BUSHING 5' A.G.L.	K.B. 2310'	D.F.
Drilling Measured From	KELLY BUSHING	G.L. 2305'	
Date	7-24-11		
Run Number	TWO		
Depth Driller	3640		
Depth Logger	3640		
Bottom Logged Interval	3616		
Top Log Interval	3050		
Casing Driller	219		
Casing Logger	219		
Bit Size	7.85		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3 / 41		
pH / Fluid Loss	10.5 / 7.6		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	1.10 @ 84F		
Rmf @ Meas. Temp	0.83 @ 84F		
Rmc @ Meas. Temp	1.32 @ 84F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.830 @ 111F		
Time Circulation Stopped	2 NHOURS		
Time Logger on Bottom	9:15 A.M.		
Maximum Recorded Temperature	111F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	RICHARD BELL		

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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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: NORTON, 2W TO W2 RD., 3/4N, W INTO.

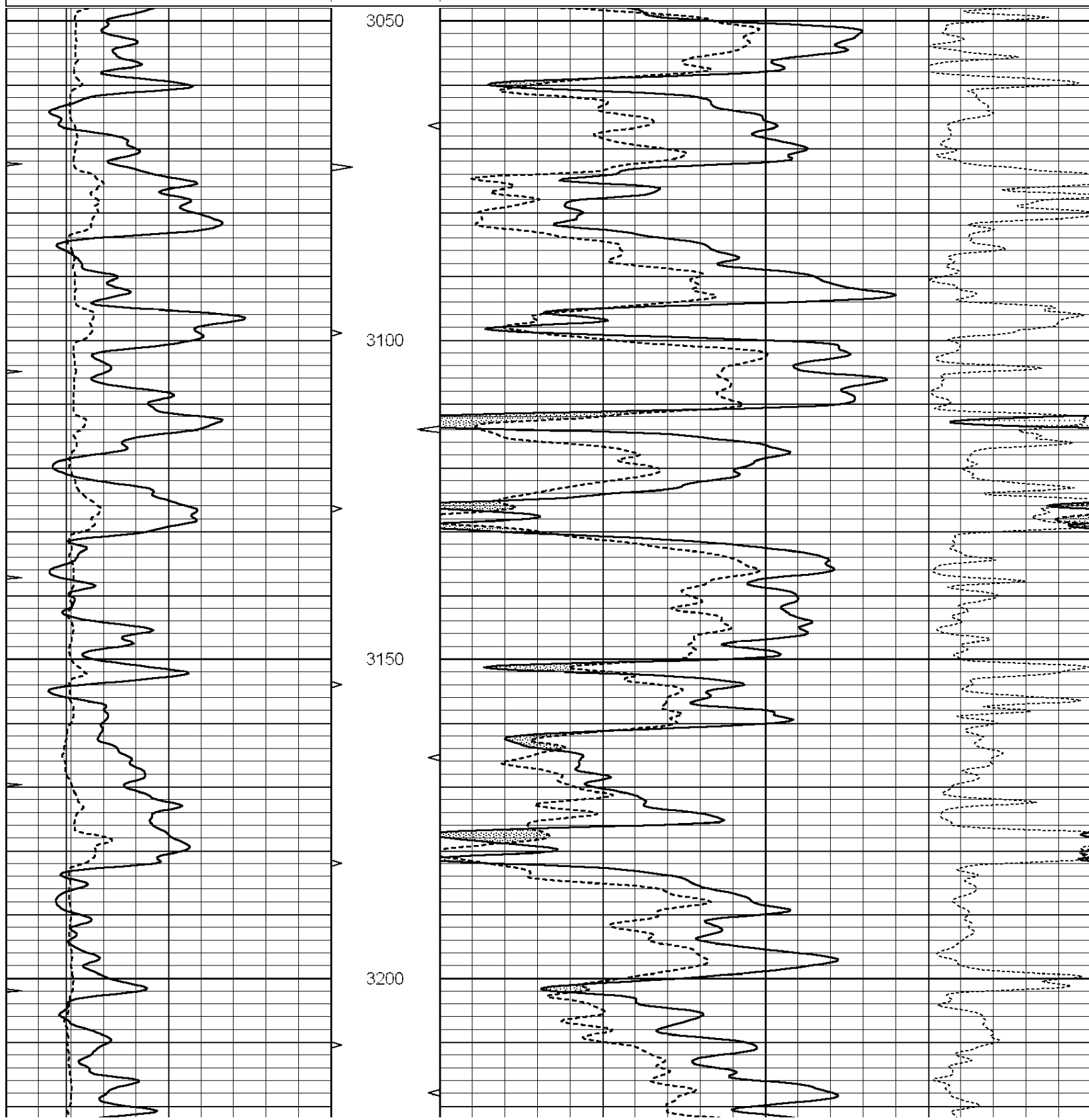


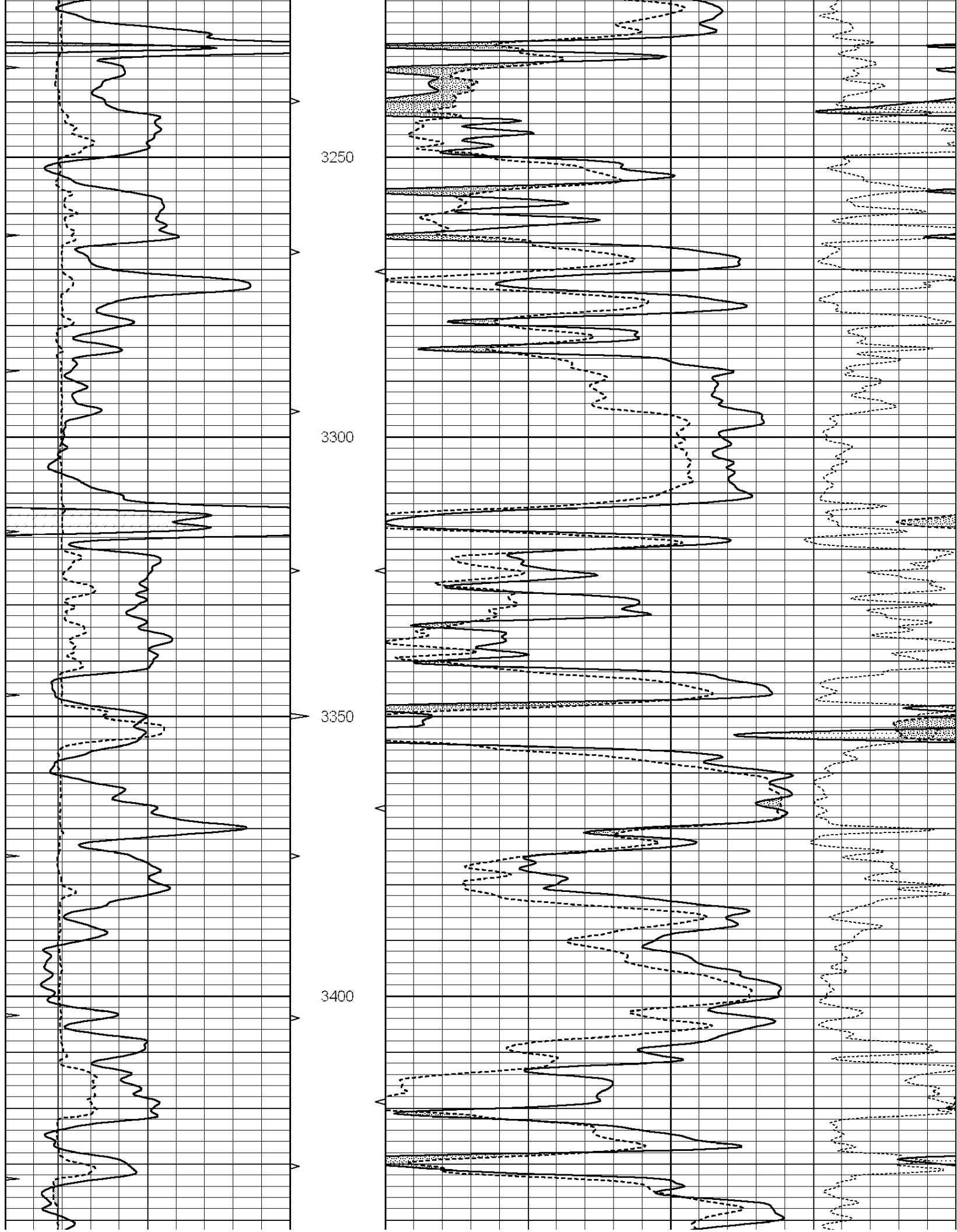
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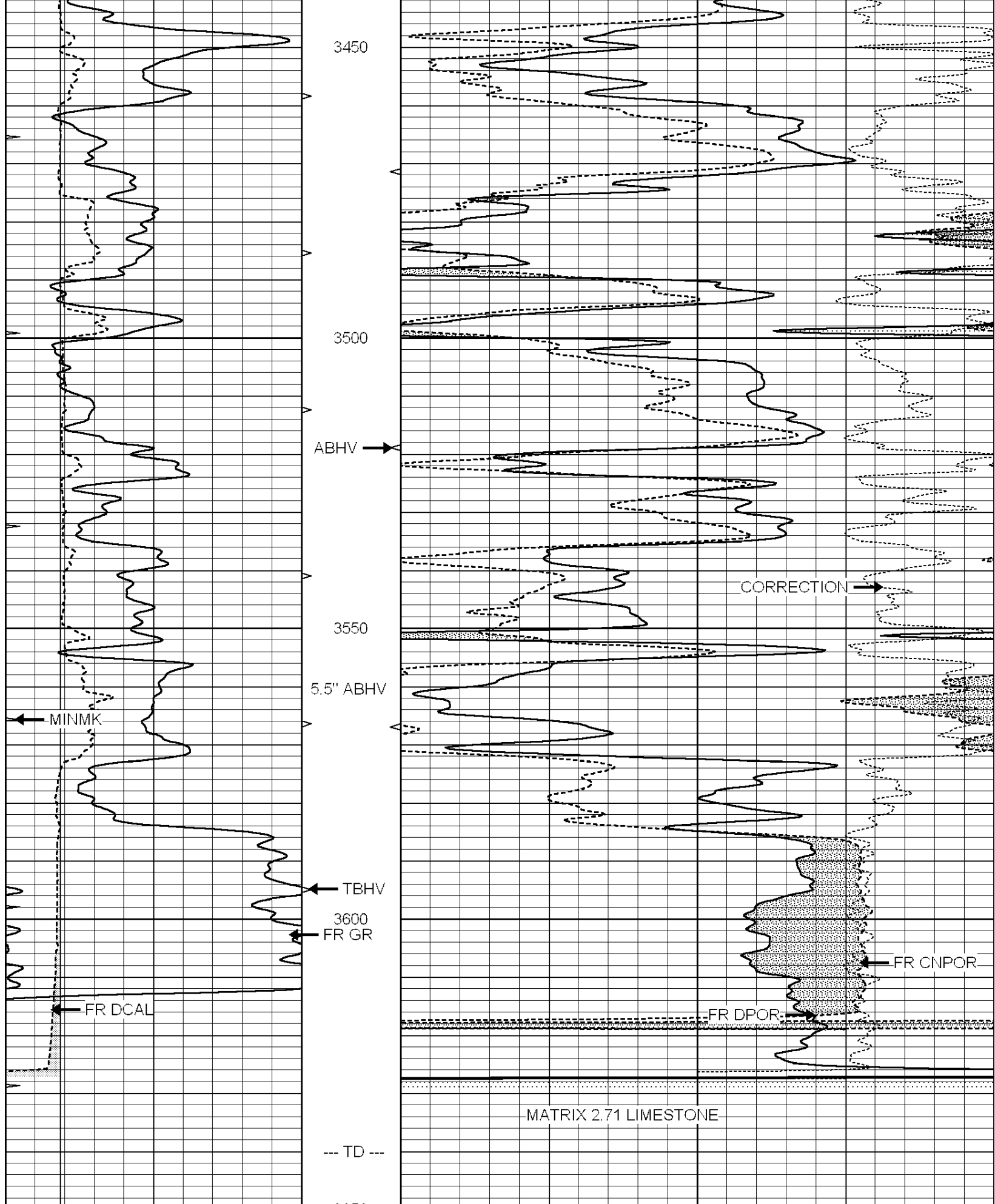
MAIN SETION

Database File: 007335ddn.db
Dataset Pathname: pass6.1
Presentation Format: den_neu
Dataset Creation: Sun Jul 24 12:50:12 2011 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			







0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10	
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10	
0	MINIMAK	20	TBHV		0.25	CORRECTION (also)	0.25

MINMK	20	TBHV		-0.25	CORRECTION (g/cc)	0.25
		0 (ft3)	10			



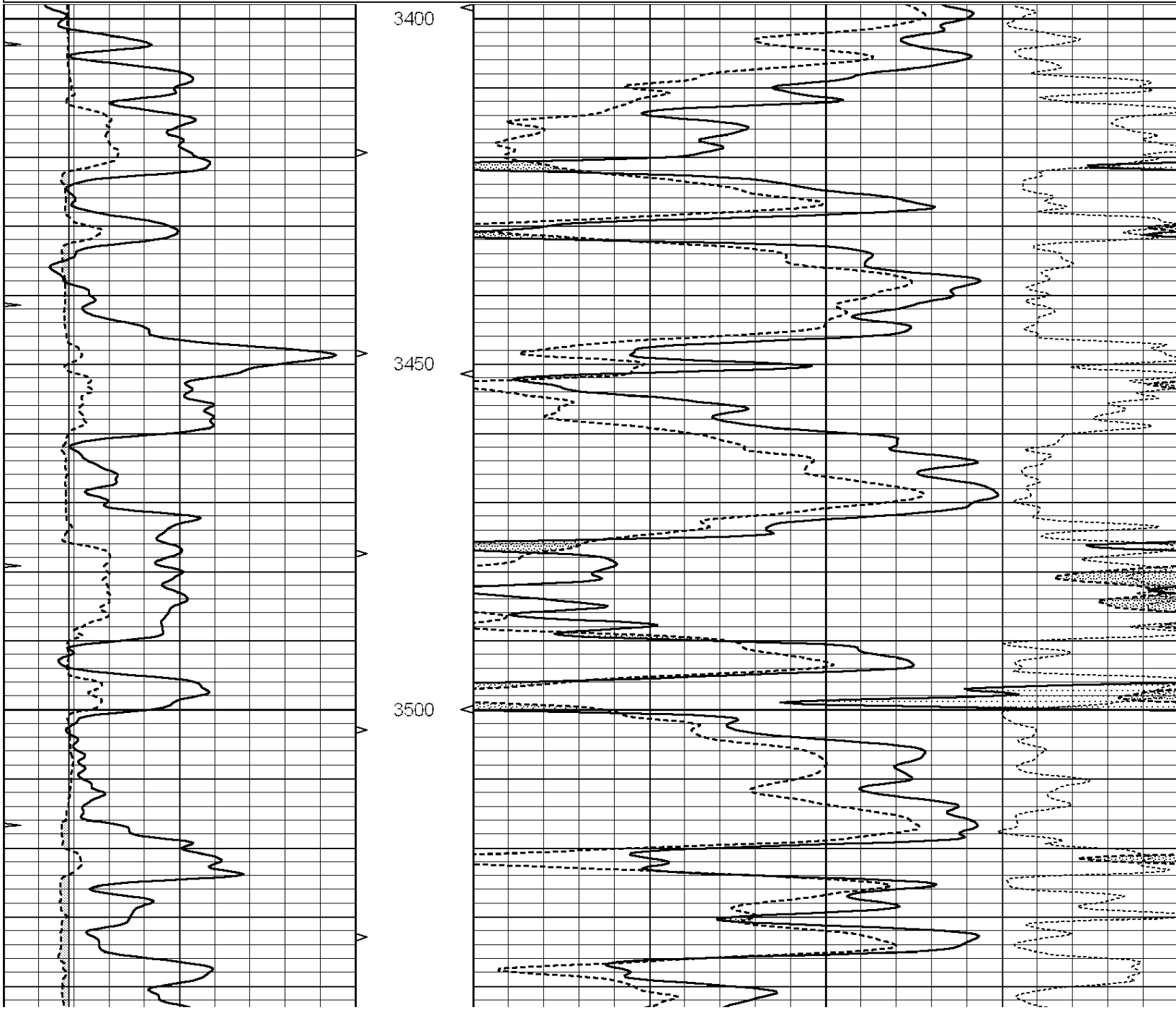
SUPERIOR

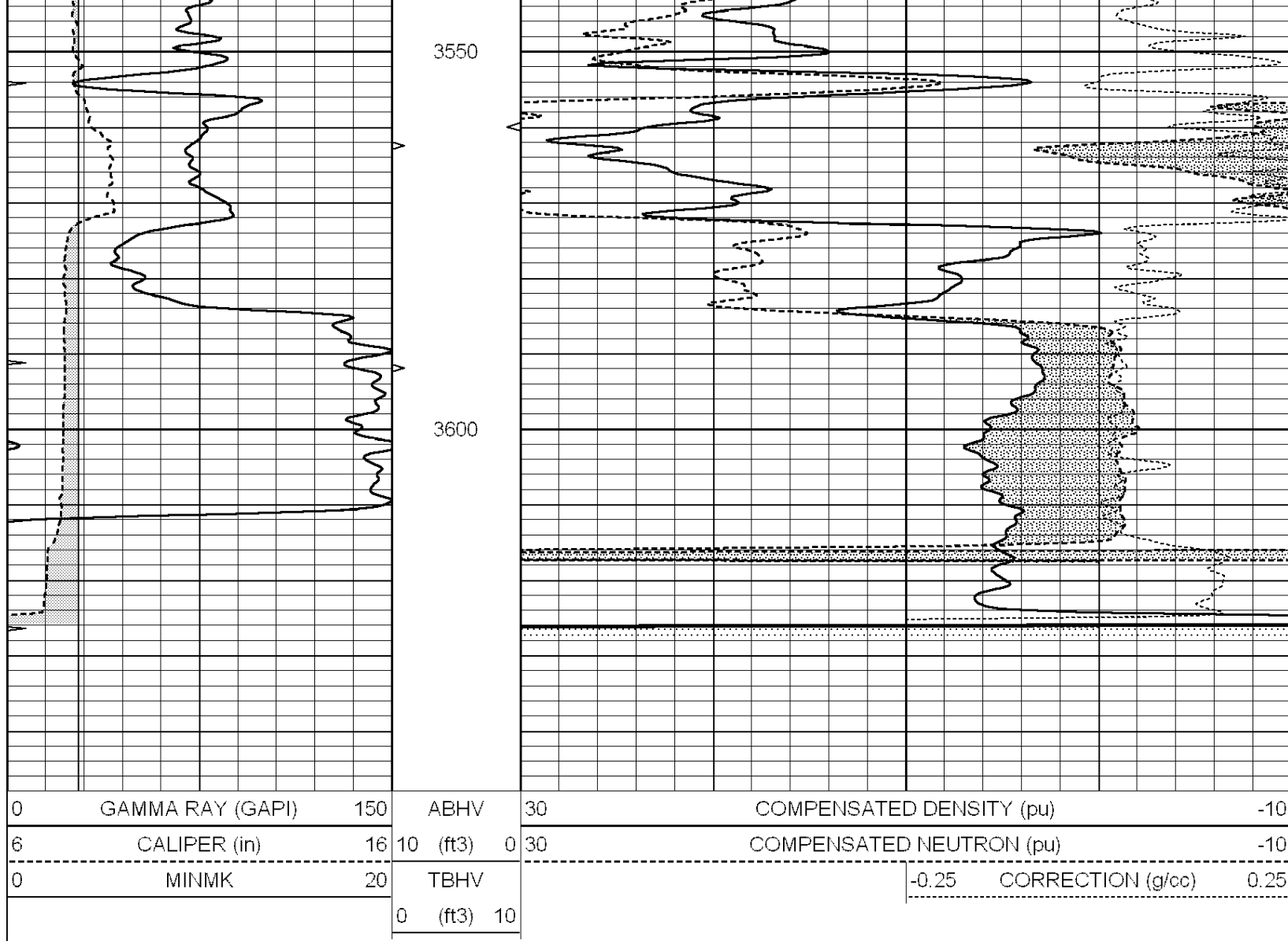
Hays,
Kansas

REPEAT SECTION

Database File:	007335ddn.db
Dataset Pathname:	pass5
Presentation Format:	den_neu
Dataset Creation:	Sun Jul 24 11:45:30 2011 by Log 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: 007335ddn.db
 Dataset Pathname: pass6.1
 Dataset Creation: Sun Jul 24 12:50:12 2011 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model:
Performed:

DIL5-GEAR
Fri Jul 22 20:03:12 2011

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	540.000	-18.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	560.000	-14.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

Compensated Density Calibration Report

Serial-Model:
Source / Verifier:
Master Calibration Performed:

GEAR1-GEARHART
147 / 147
Fri Jul 22 20:02:57 2011

Master Calibration

	Density			Far Detector	Near Detector	
Magnesium	1.710	g/cc		1243.76	629.14	cps
Aluminum	2.580	g/cc		282.16	435.01	cps
Spine Angle = 76.03			Density/Spine Ratio = 0.569			
	Size			Reading		
Small Ring	9.00	in		3.82	V	
Large Ring	14.20	in		6.37	V	

Compensated Neutron Calibration Report

Serial Number:	NUE_2I
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:	GR5	
Tool Model:	OPEN	
Performed:	Sun Jul 24 11:52:39 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6500	GAPI/cps