



SUPERIOR
Hays,
Kansas

**COMPENSATED
DENSITY / NEUTRON
PE LOG**

Company OIL PRODUCERS INC. OF KS.
Well EPLER #3-23
Field EPLER
County SHERIDAN
State KANSAS

Company OIL PRODUCERS, INC. OF KANSAS
Well EPLER #3-23
Field EPLER
County SHERIDAN State KANSAS

Location: API #: 15-179-21202-0000
2400' FSL & 1000' FEL
NW - NW - NE - SE
SEC 23 TWP 9S RGE 26W

Permanent Datum GROUND LEVEL Elevation 2648
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
SONIC
Elevation

Date	2/27/09		
Run Number	ONE		
Depth Driller	4200		
Depth Logger	4197		
Bottom Logged Interval	4173		
Top Log Interval	3600		
Casing Driller	8 5/8" @ 297'		
Casing Logger	296		
Bit Size	7 7/8		
Type Fluid In Hole	CHEMICAL MUD	CHLORIDES 1,900 PPM	
Density / Viscosity	9.3/47		
pH / Fluid Loss	10.0/8.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20 @ 80F		
Rmf @ Meas. Temp	.900 @ 80F		
Rmc @ Meas. Temp	1.44 @ 90F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.814 @ 118F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	9:45 P.M.		
Maximum Recorded Temperature	118F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JEFF CHRISTIAN		

<<< Fold Here >>>

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 HAYS, KANSAS (785)628-6395
DIRECTIONS
QUINTER, KS. & I-70, 13N. TO RD. "80S", 3E. TO "T", 1/2N., W. INTO

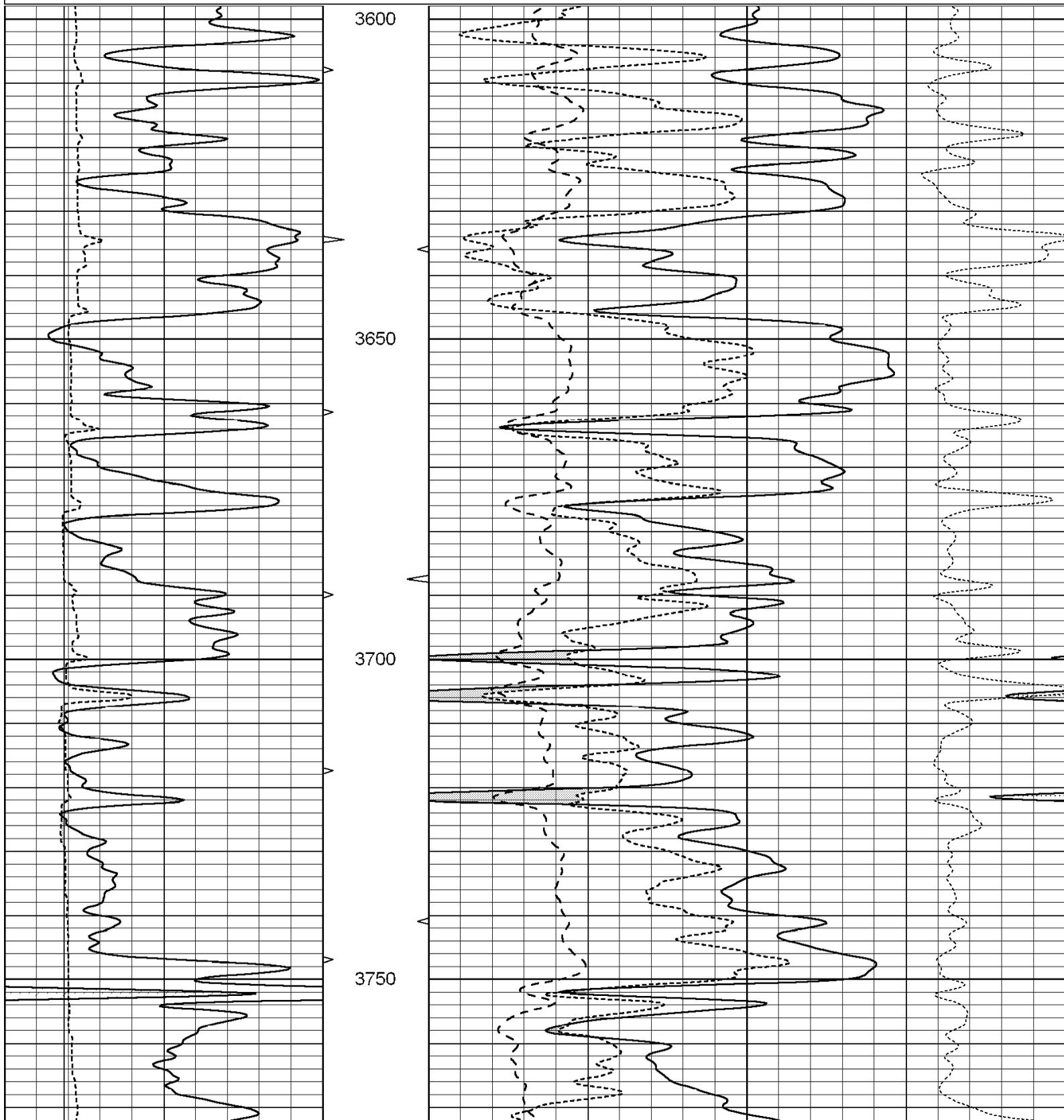


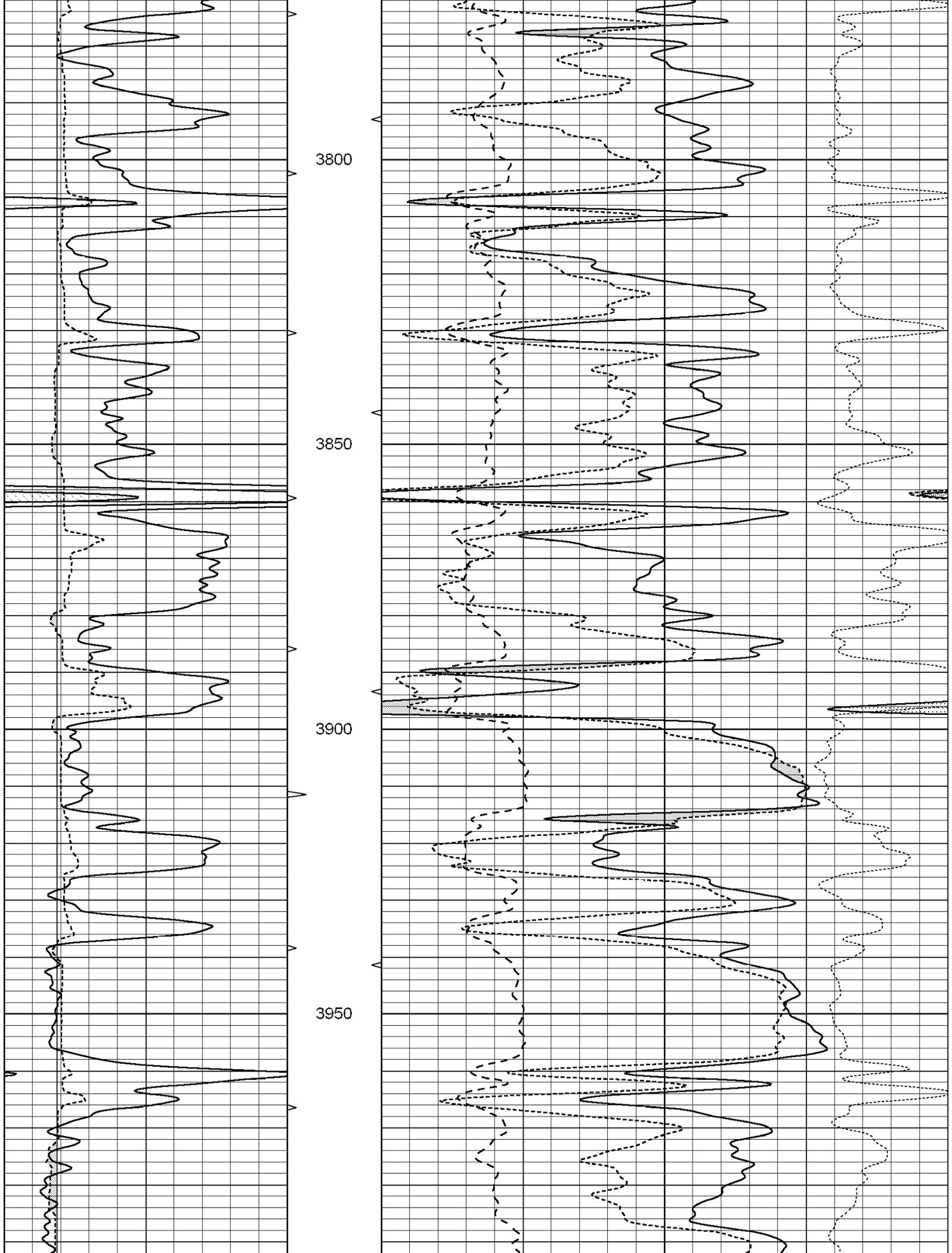
SUPERIOR
Hays,
Kansas

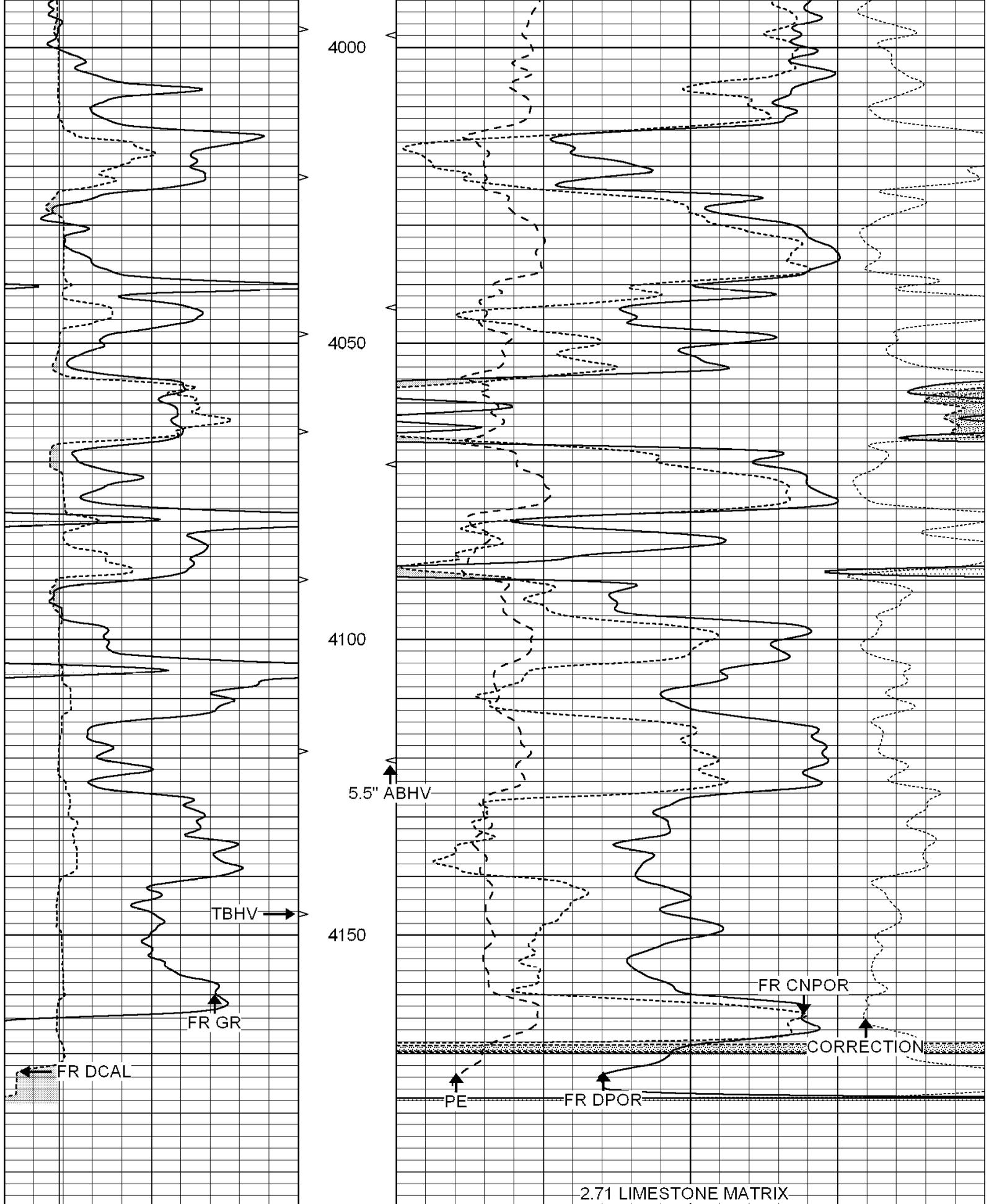
MAIN SECTION

Database File: 003098pe.db
 Dataset Pathname: pass3.2
 Presentation Format: ldt_neu
 Dataset Creation: Fri Feb 27 22:14:47 2009 by Calc Open-Cased 060407
 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	COMPENSATED NEUTRON (pu)		-10
			TBHV	0	PE	10	-0.25 CORRECTION (g/cc) 0.25
			0 (ft3)	10			







LTD 4197
4200

2.71 LIMESTONE MATRIX

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)	-10

IBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
	0 (ft3) 10					

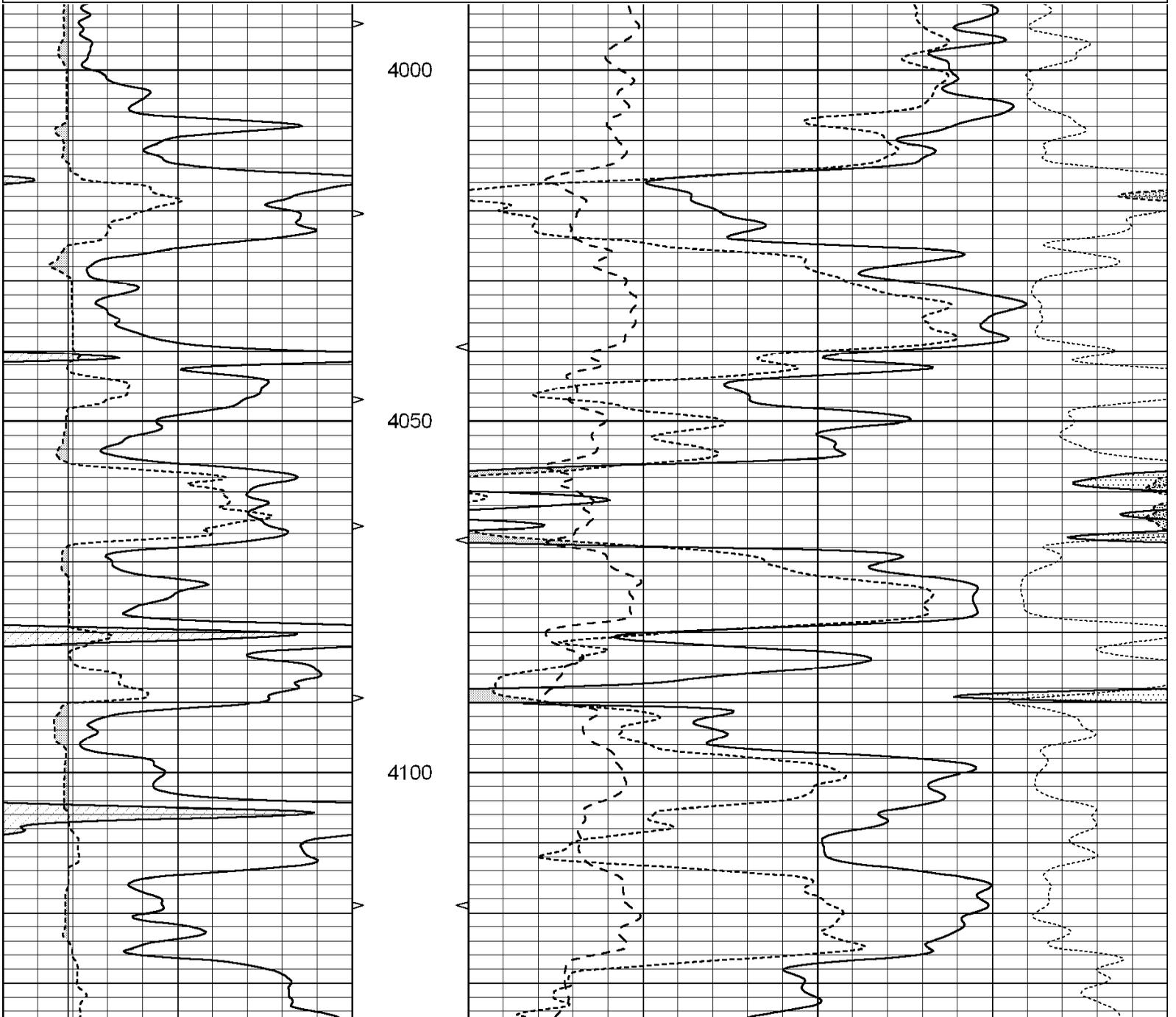


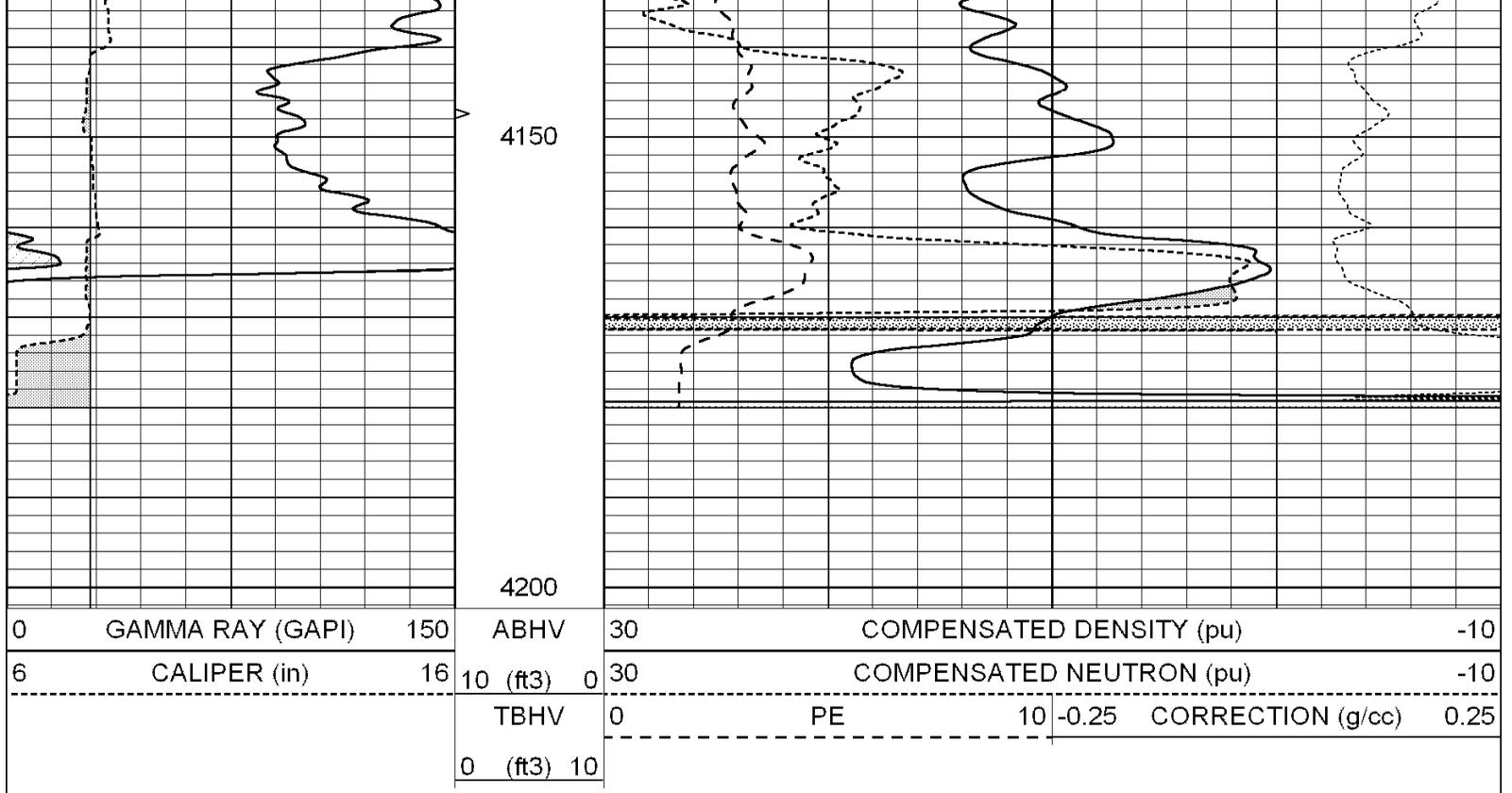
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 003098pe.db
 Dataset Pathname: pass2.8
 Presentation Format: ldt_neu
 Dataset Creation: Fri Feb 27 22:53:51 2009 by Calc Open-Cased 060407
 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
			TBHV	0	PE	10 -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
			TBHV	0	PE	10	-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10				

Calibration Report

Database File: 003098pe.db
 Dataset Pathname: pass3.2
 Dataset Creation: Fri Feb 27 22:14:47 2009 by Calc Open-Cased 060407

Dual Induction Calibration Report

Serial-Model: DIL2-GEAR
 Performed: Fri Feb 27 21:47:45 2009

Loop:	Readings				References			Results	
	Air	Loop			Air	Loop		m	b
Deep	0.002	0.667	V	0.000	400.000	mmho-m	650.000	4.000	
Medium	-0.003	0.739	V	0.000	462.500	mmho-m	750.000	-18.000	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.001	0.658	V	0.000	400.000	mmho-m	609.010	-0.700	
Medium	0.015	0.761	V	0.000	462.500	mmho-m	620.392	-9.326	

Litho Density Calibration
 Serial: 003N Model: PRB
 Performed Wed Feb 18 13:47:54 2009

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	2040.8	12807.7	4363.1	13737.9	cps
Window 2	1833.5	9910.0	3570.0	10363.1	cps
Window 3	1572.8	6142.6	2530.0	6298.3	cps
Window 4	471.2	473.7	466.8	470.3	cps
Long Space	0.0	8076.4	1736.5	8529.6	cps
Short Space	2.2	3464.4	2249.4	3602.7	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	

Rib Angle	: 44.3	Rib Slope	: 0.976	Density/Spine Ratio	: 0.551
Spine Angle	: 74.3	Spine Slope	: 3.559	Spine Intercept	: -20.0

Caliper			
Low Ref	Readings	Reference	
High Ref	2.1	6.6	
	4.4	14.0	
	Gain: 3.1		Offset: 0.1

Compensated Neutron Calibration Report

Serial Number:	NEU_3I
Tool Model:	G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	997.00 cps	1000.00 cps	1.0000
Long Space	986.00 cps	1000.00 cps	1.0000

Gamma Ray Calibration Report

Serial Number:	GR3
Tool Model:	OPEN
Performed:	Fri Feb 27 21:47:29 2009
Calibrator Value:	200.0 GAPI
Background Reading:	3.0 cps
Calibrator Reading:	186.0 cps
Sensitivity:	0.3500 GAPI/cps