



SUPERIOR
Hays,
Kansas

COMPENSATED
NEUTRON / DENSITY
LOG

Company CORAL PRODUCTION CORPORATION	
Well	MONGEAU #18-1
Field	
County	ROOKS
State	KANSAS
Location: 990' FSL & 330' FEL NE - SE - SE	
API # : 15-163-24052-0000	
Other Services DIL/MEL	
SEC 18 TWP 7S RGE 18W	
Permanent Datum	GROUND LEVEL Elevation 1935
Log Measured From	KELLY BUSHING & A.G.L.
Drilling Measured From	KELLY BUSHING
Elevation	K.B. 1943 D.F. 1941 G.L. 1935
Date	7/13/12
Run Number	ONE
Depth Driller	3430
Depth Logger	3430
Bottom Logged Interval	3406
Top Log Interval	2800
Casing Driller	8 5/8" @ 1260
Casing Logger	1262
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	8.9/48
pH / Fluid Loss	10.0/8.0
Source of Sample	FLOWLINE
Rin @ Meas. Temp	1.20 @ 86F
Rinf @ Meas. Temp	0.90 @ 86F
Rinc @ Meas. Temp	1.44 @ 86F
Source of Rinf / Rinc	MEASURED
Rin @ BHT	0.93 @ 111F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	111F
Equipment Number	680
Location	HAYS, KS.
Recorded By	JEFF GRONEMEG
Witnessed By	TIM LAUER

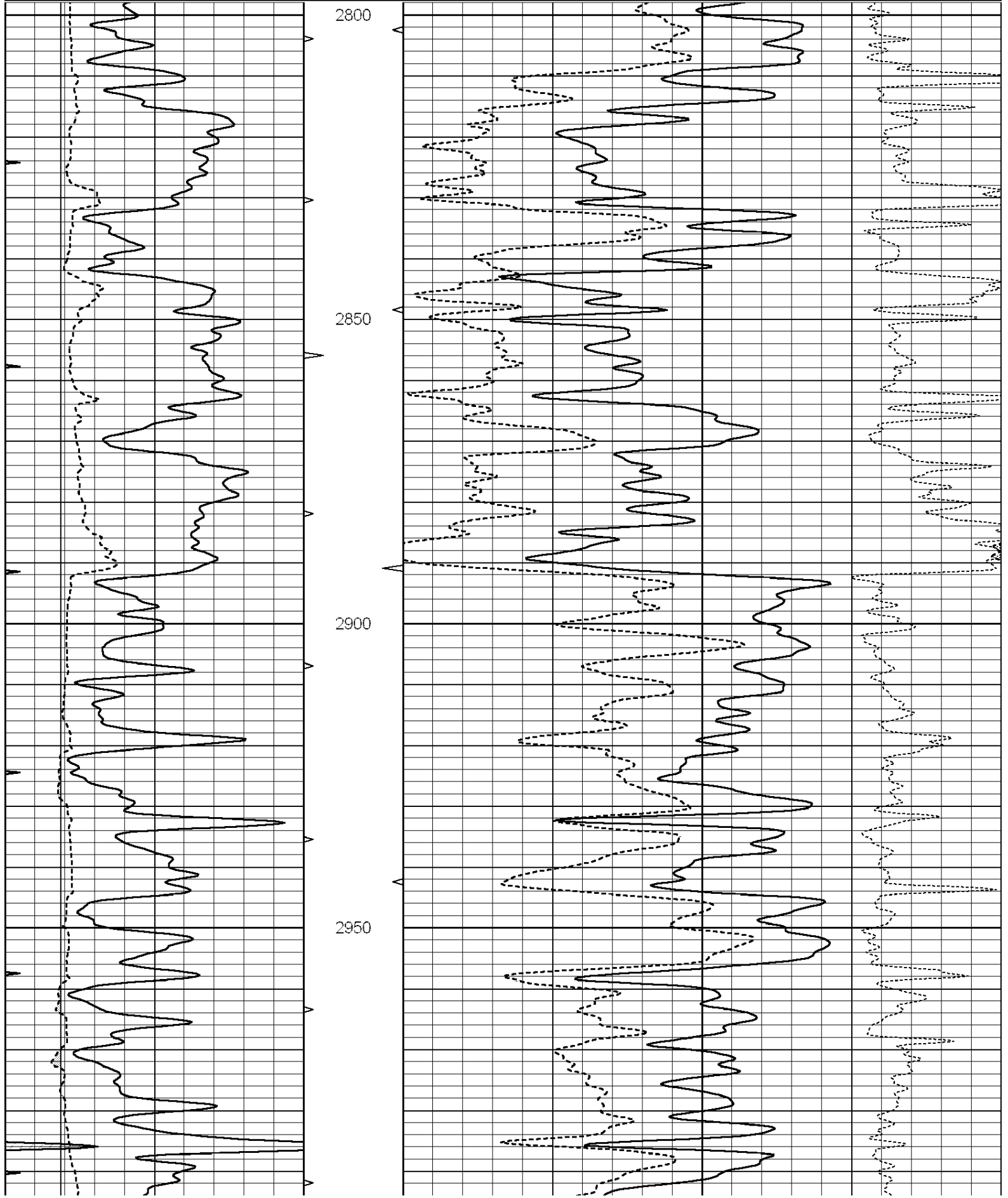
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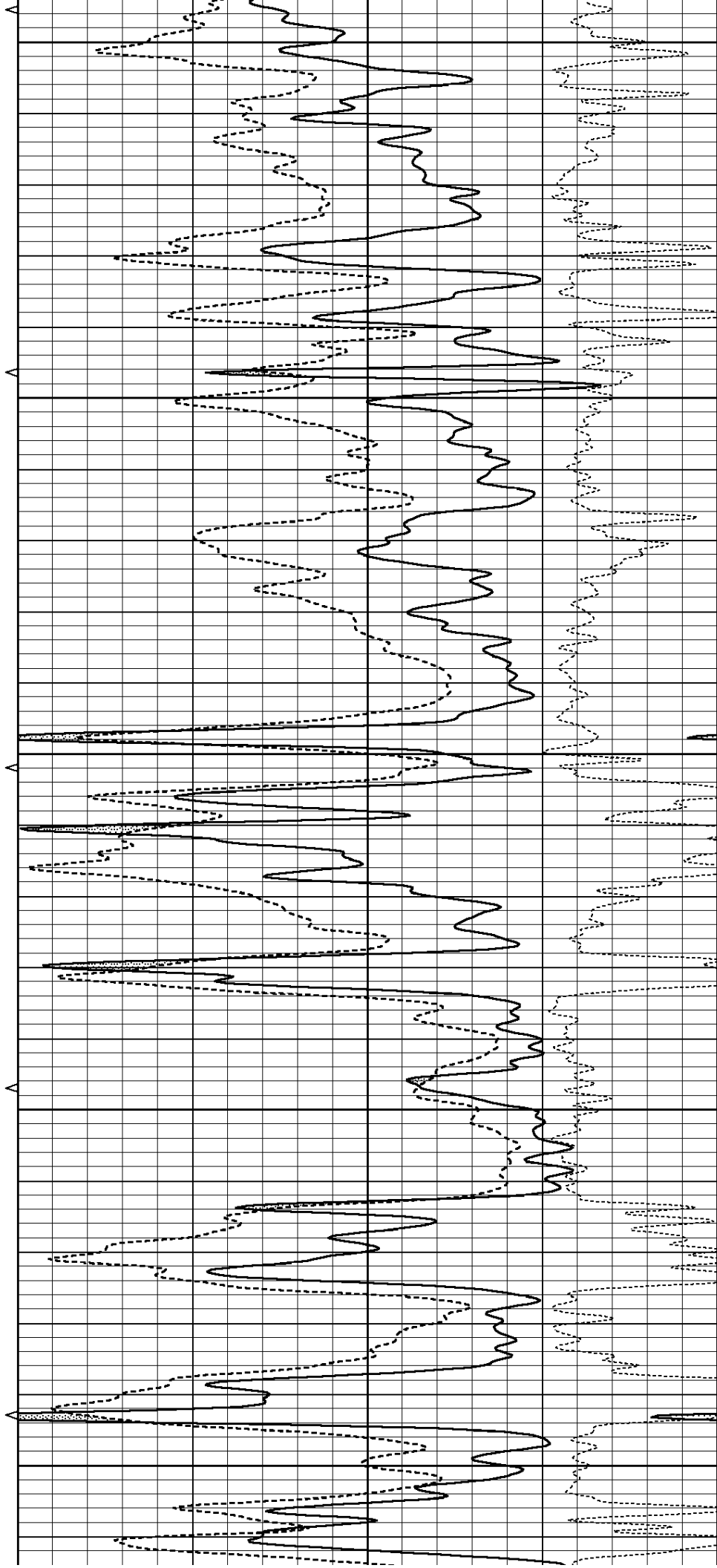
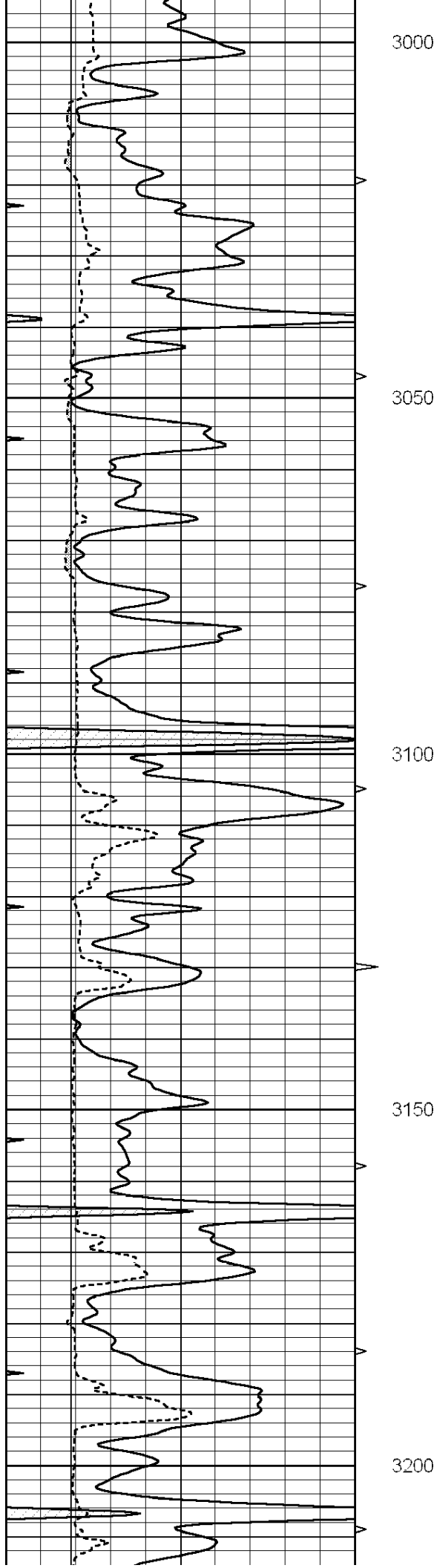
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

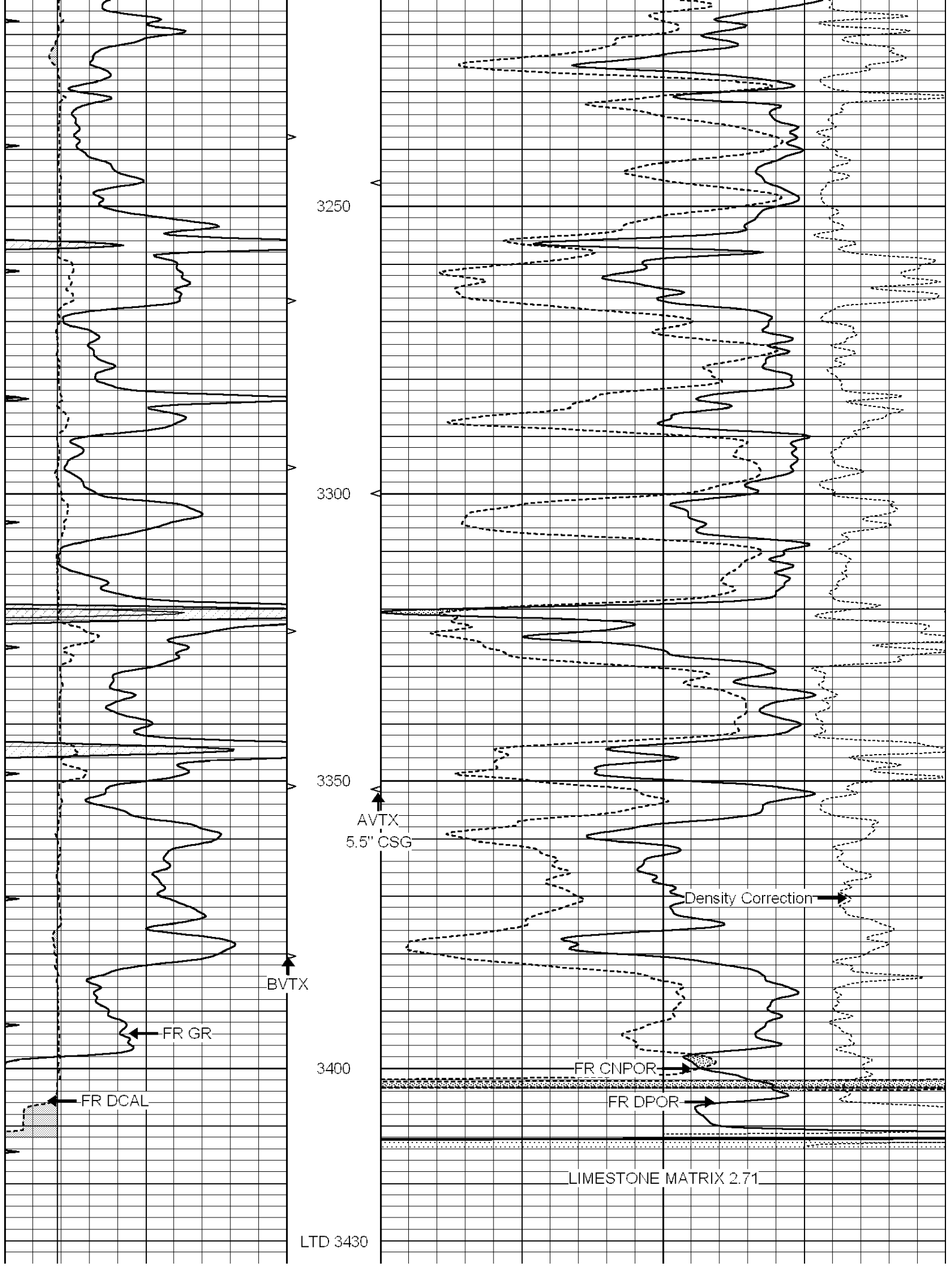
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
STOCKTON, KS - WEST 5 MILES TO RD 14 - 1 1/4 MILES NORTH - 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			

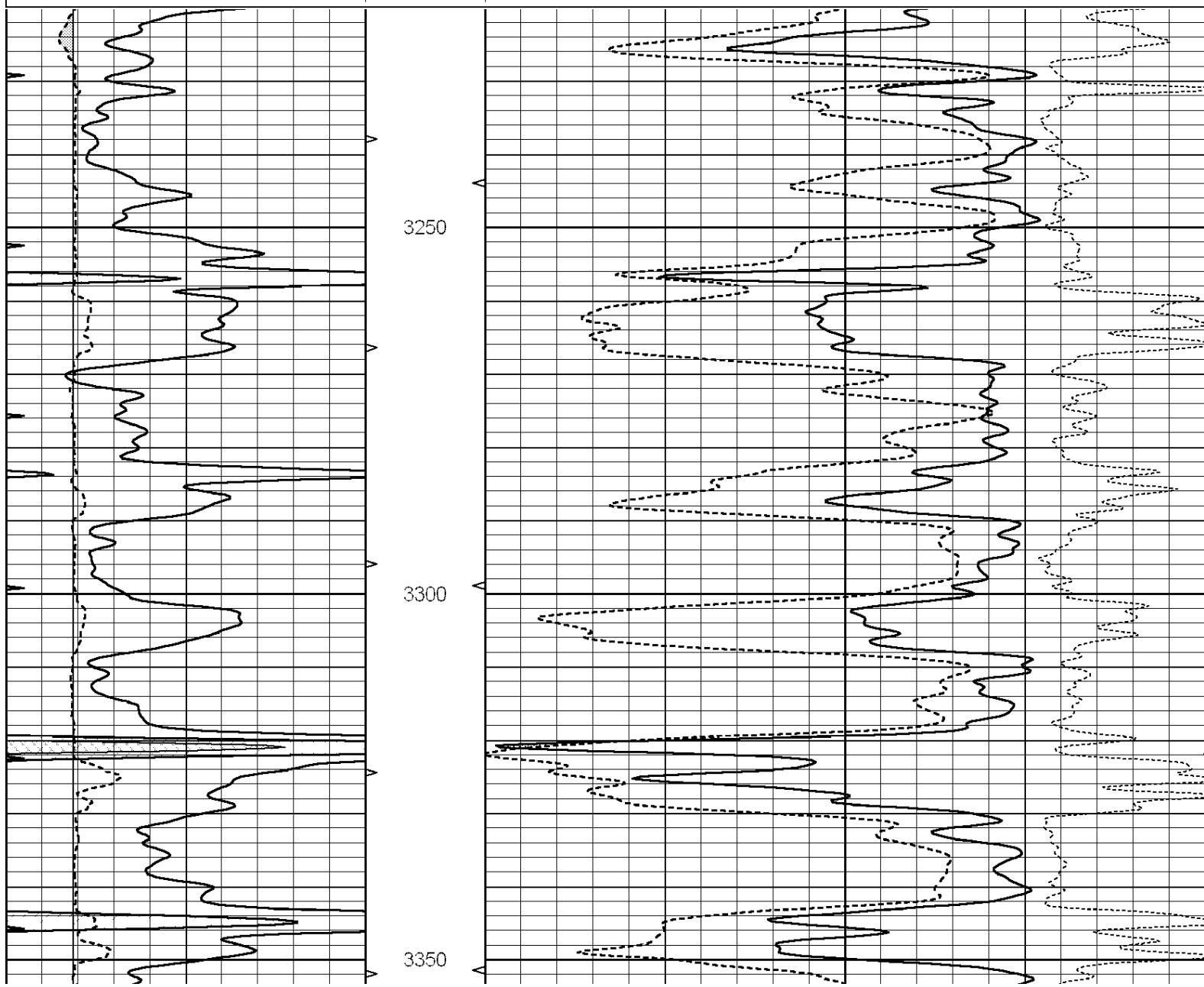


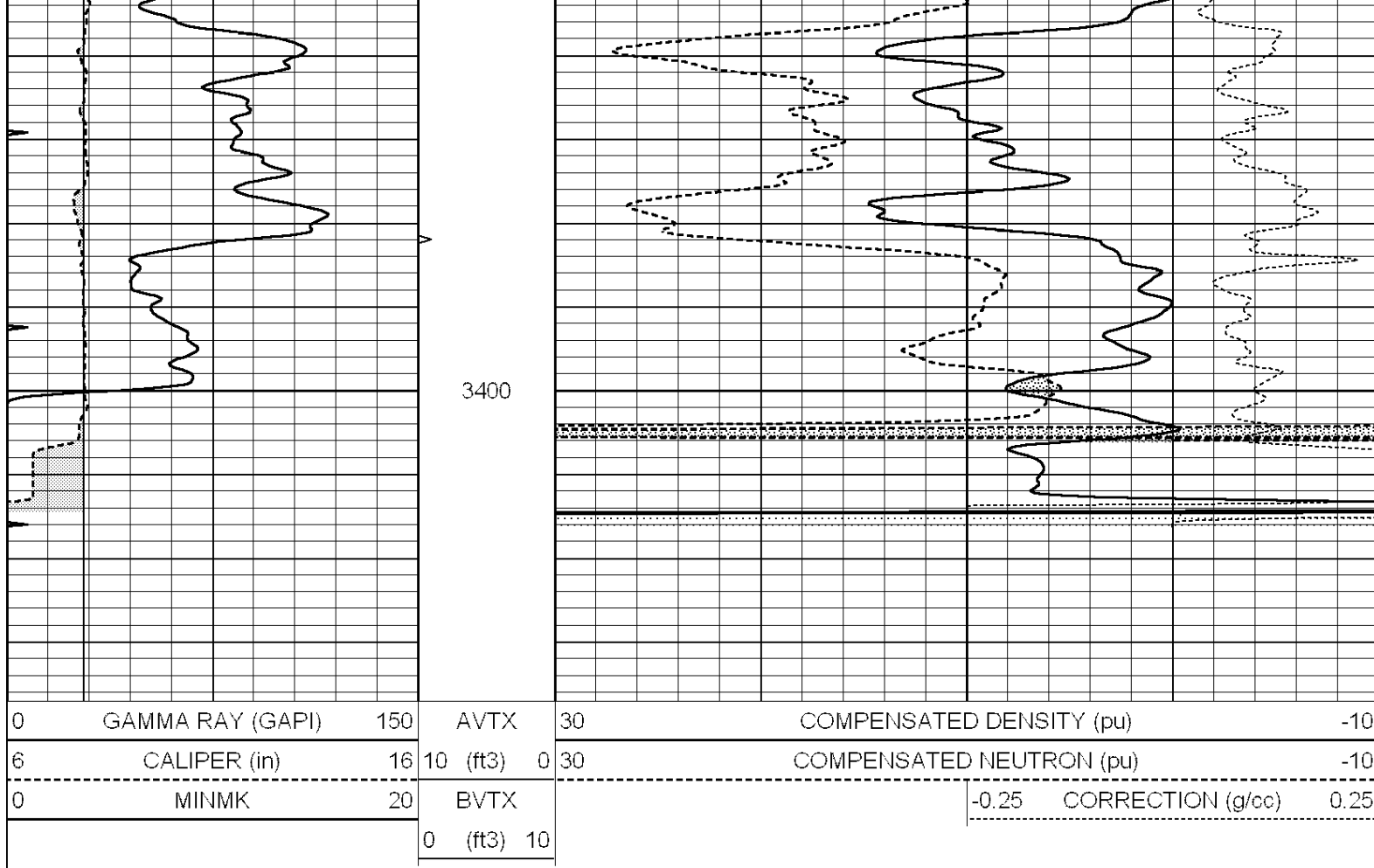
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REPEAT SECTION

Database File: 009463ddn.db
Dataset Pathname: pass2.2
Presentation Format: _den_neu
Dataset Creation: Fri Jul 13 09:18:25 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			



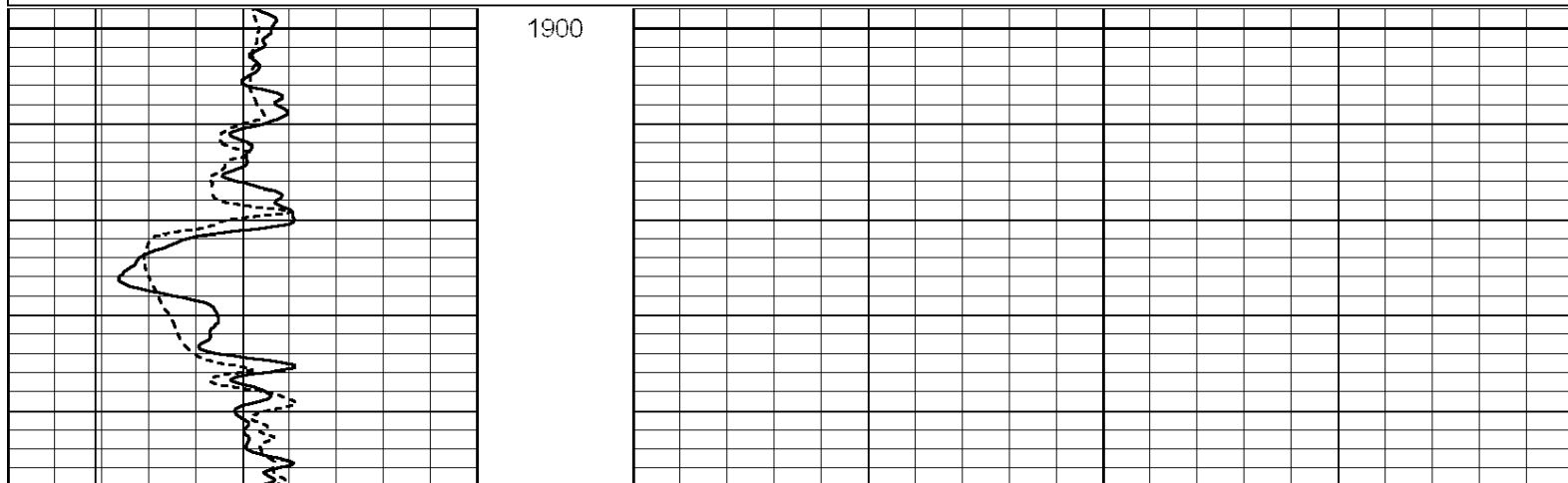


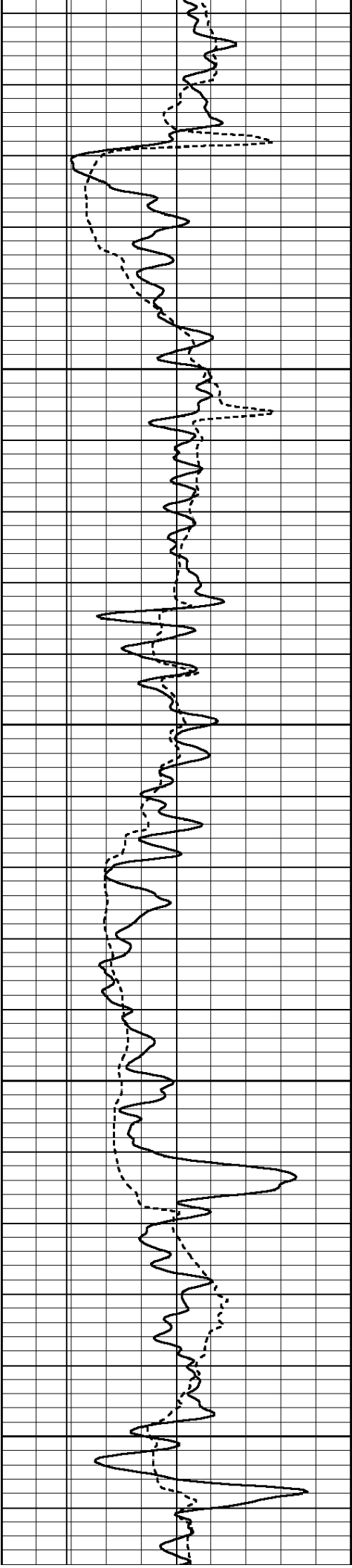
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CALIPER OVER FT. RILEY

Database File: 009463ddn.db
 Dataset Pathname: pass3.4
 Presentation Format: cal
 Dataset Creation: Fri Jul 13 09:35:41 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	ABHV	
6	CALIPER (in)	16	10 (ft3)	0
			TBHV	
			0 (ft3)	10





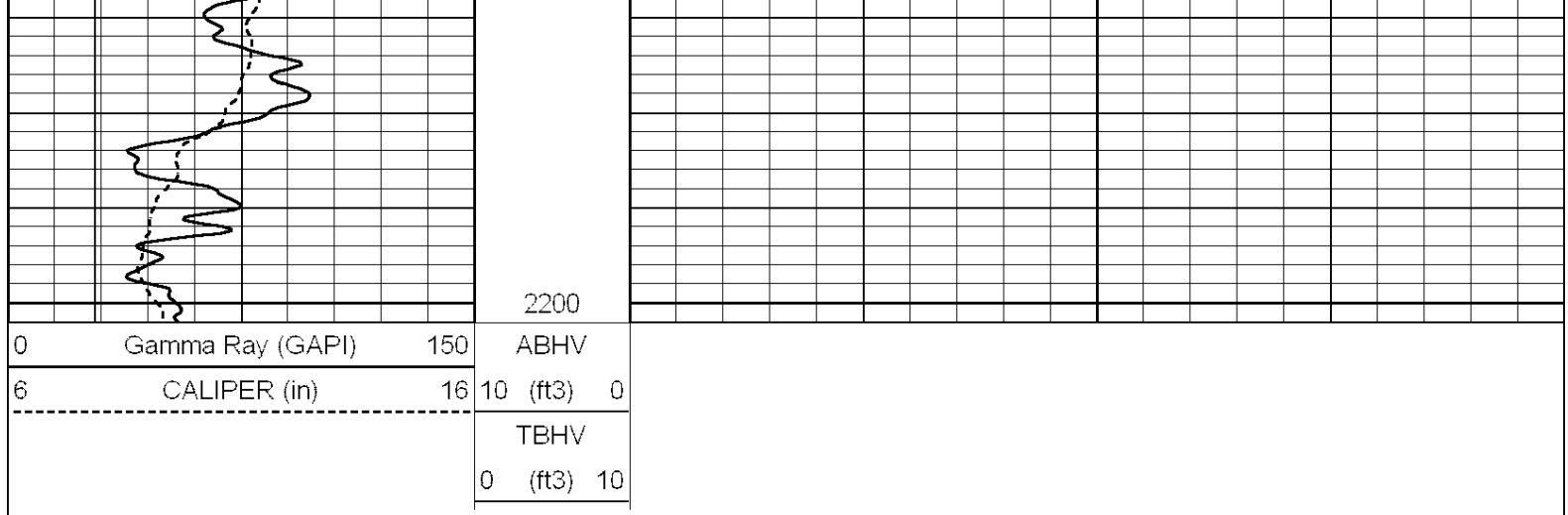
1950

2000

2050

2100

2150



Calibration Report									
Database File:		009463ddh.db							
Dataset Pathname:		pass3.4							
Dataset Creation:		Fri Jul 13 09:35:41 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					

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