



SUPERIOR
Hays,
Kansas

COMPENSATED DENSITY / NEUTRON LOG

Company TRANS - PACIFIC OIL CORPORATION
Well PETERS "A" UNIT #1-18
Field WILDCAT
County RUSH
State KANSAS

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County RUSH State KANSAS

Location: API # : 15-165-21986-0000

2740' FSL & 2740' FEL

SEC 18 TWP 18S RGE 18W

Permanent Datum GROUND LEVEL Elevation 2063
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
RAG/DIL
SONIC

Elevation

K.B. 2073
D.F. 2071
G.L. 2063

Date 8/20/12

Run Number ONE

Depth Driller 3940

Depth Logger 3941

Bottom Logged Interval 3917

Top Log Interval 3300

Casing Driller 8 5/8" @ 946'

Casing Logger 948

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.5/54

pH / Fluid Loss 10.0/11.2

Source of Sample FLOWLINE

Rm @ Meas. Temp .700 @ 90F

Rmt @ Meas. Temp .525 @ 90F

Rmc @ Meas. Temp .840 @ 90F

Source of Rmt / Rmc MEASUREMENT

Rm @ BHT .543 @ 116F

Time Circulation Stopped 2.5 HOURS

Time Logger on Bottom 10:00 P.M.

Maximum Recorded Temperature 116F

Equipment Number 4010

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By MAX LOVELY

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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 HAYS, KANSAS (785) 628-6395
DIRECTIONS
RUSH CENTER, KS., 3W. ON HWY 96 TO "RD. 220", 1 1/2N., E. INTO

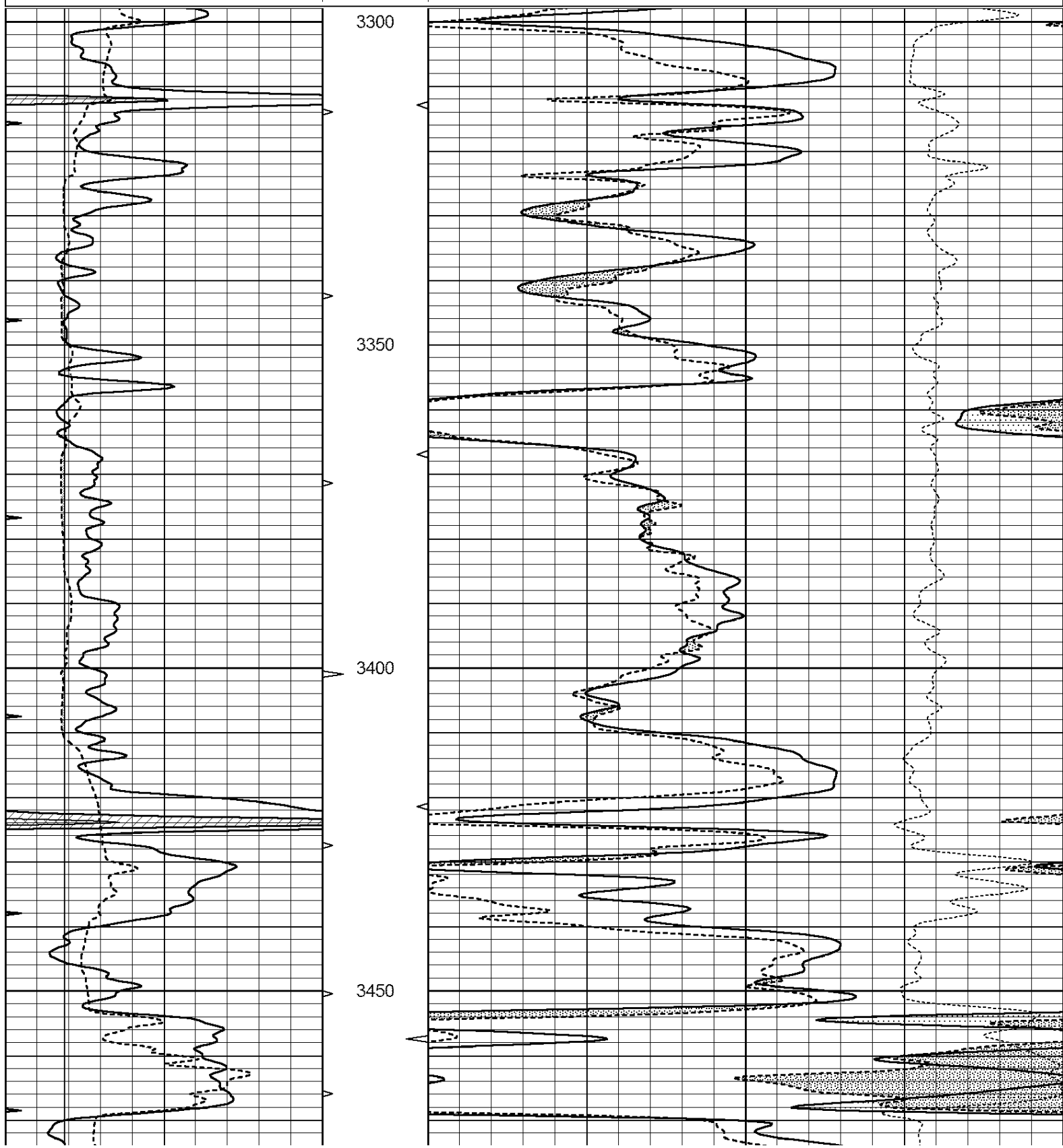


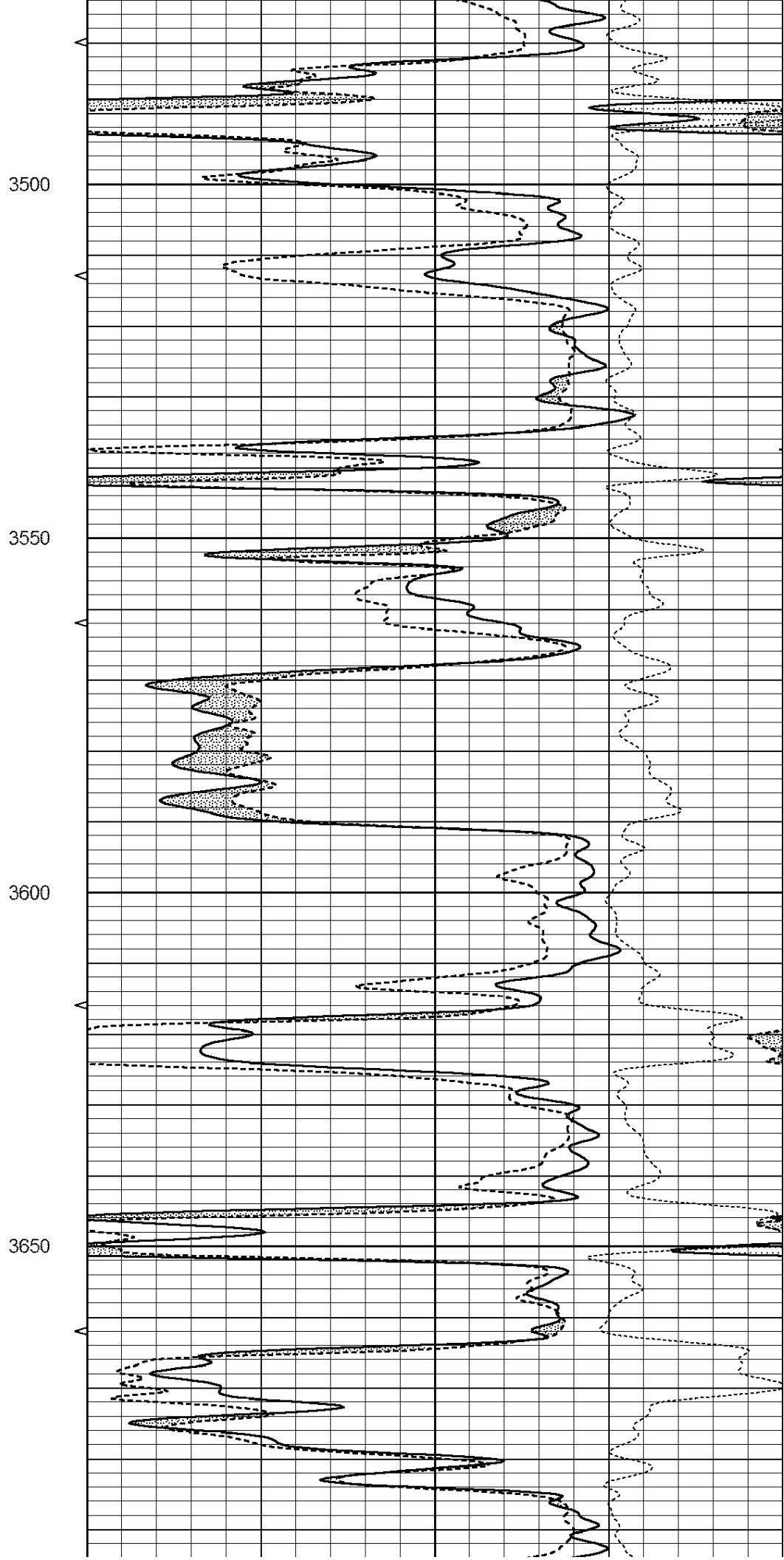
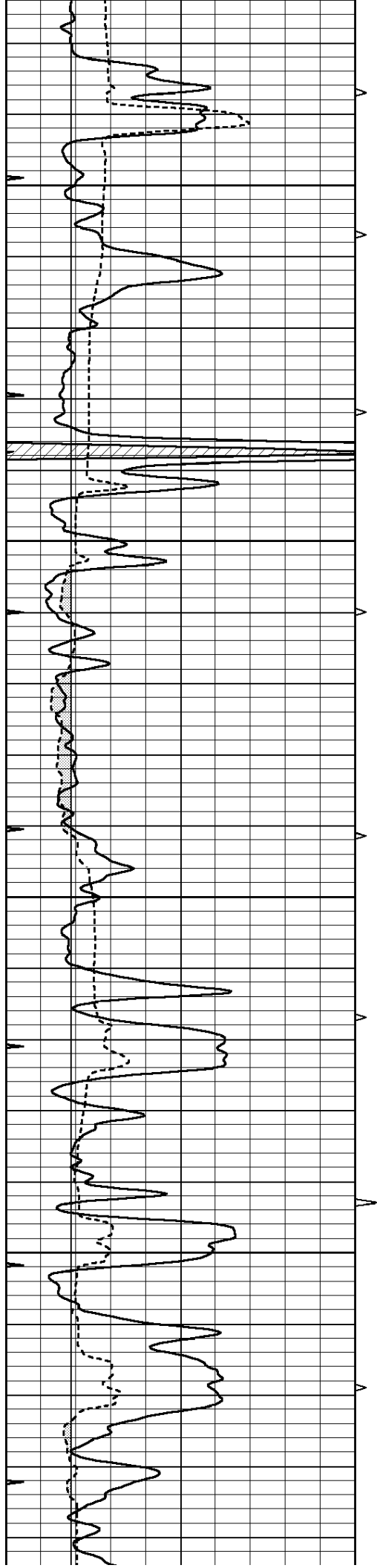
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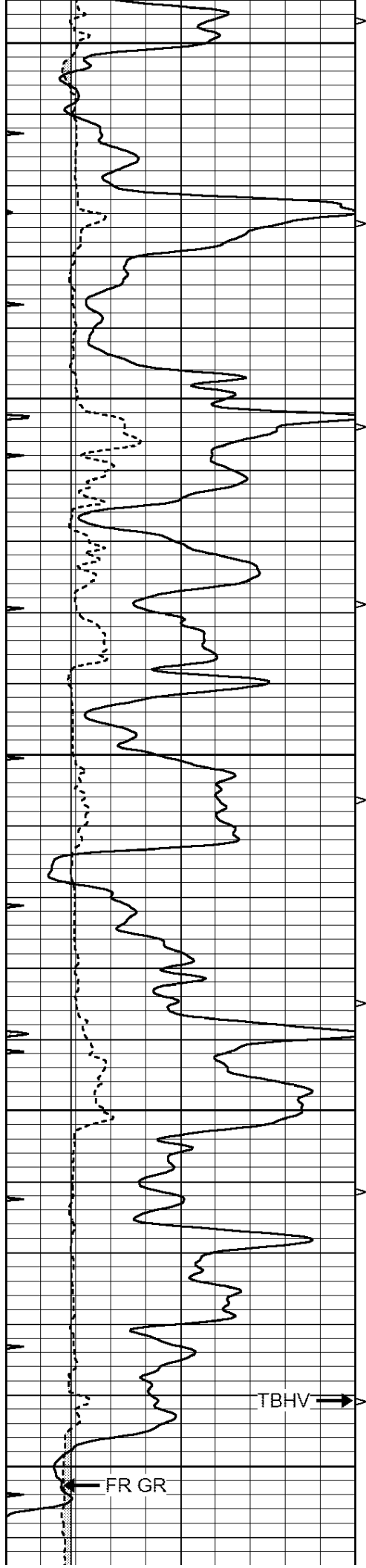
MAIN SECTION

Database File: 409505rag.db
 Dataset Pathname: pass3.4
 Presentation Format: den_neu
 Dataset Creation: Mon Aug 20 23:12:48 2012 by Calc Open-Cased 110302
 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		







3700

3750

3800

3850

3900

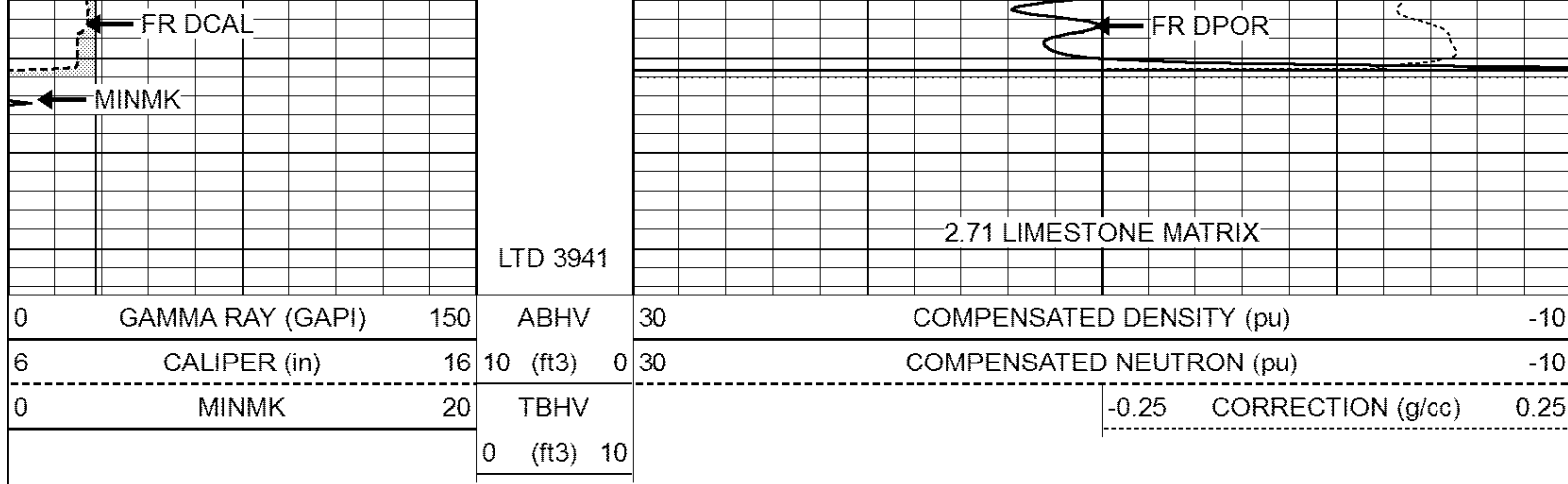
5.5" ABHV

TBHV →

FR GR

FR CNPOR

CORRECTION

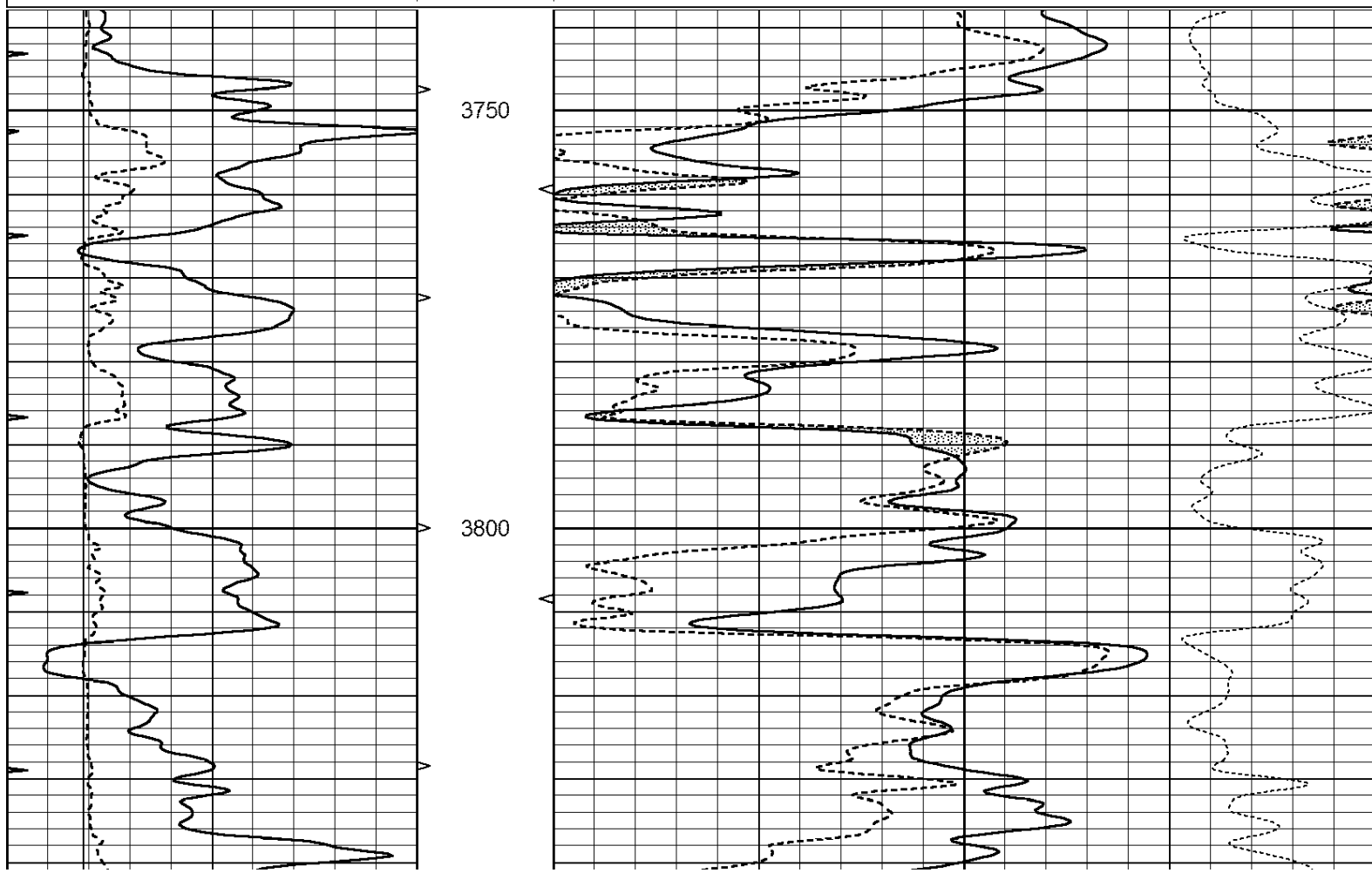


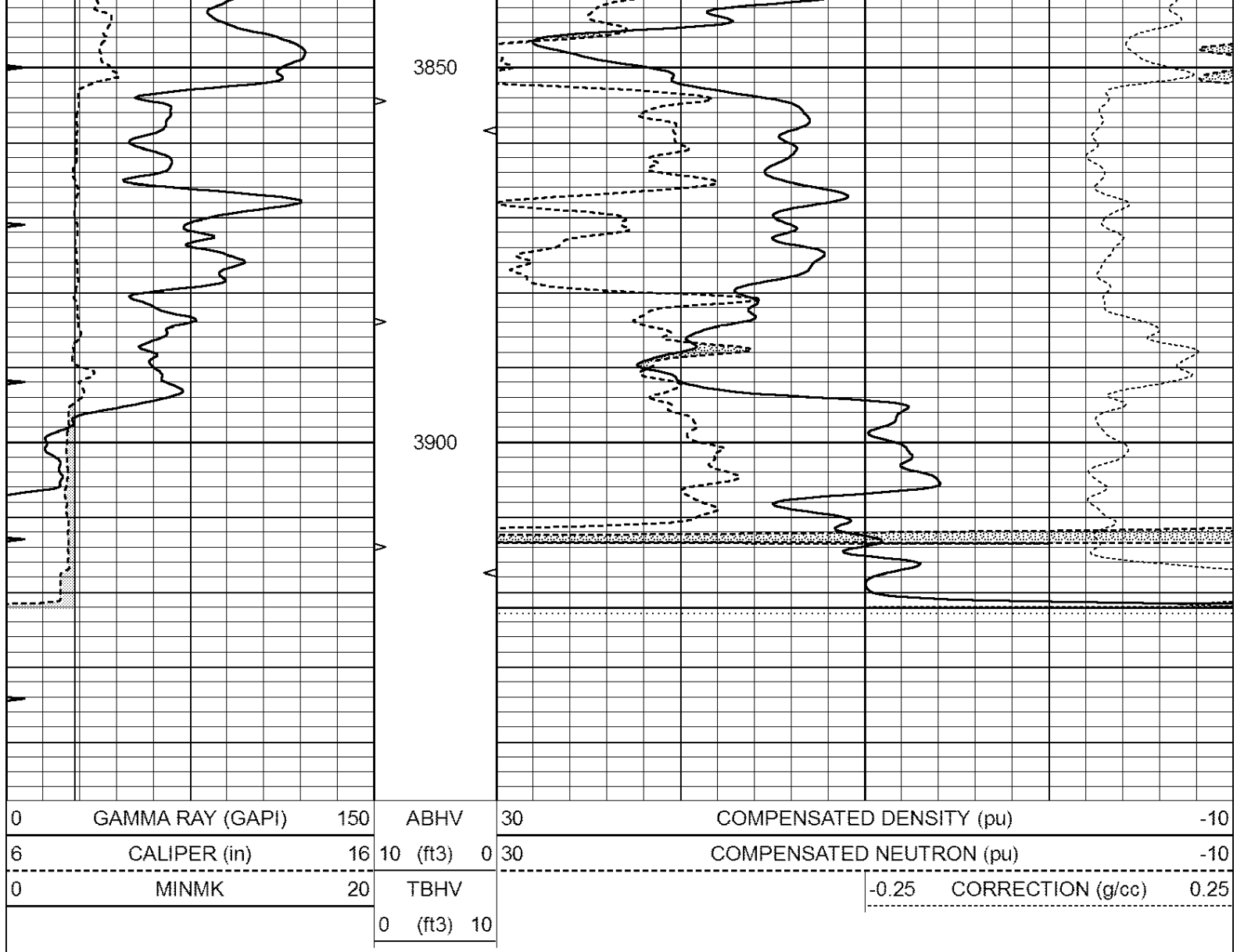
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REPEAT SECTION

Database File: 409505rag.db
 Dataset Pathname: pass2.6
 Presentation Format: den_neu
 Dataset Creation: Mon Aug 20 23:15:44 2012
 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:		409505rag.db							
Dataset Pathname:		pass3.4							
Dataset Creation:		Mon Aug 20 23:12:48 2012 by Calc Open-Cased 110302							
Dual Induction Calibration Report									
Serial-Model: Performed:				DIL4-GEAR Wed Aug 15 15:23:52 2012					
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.008	0.666	V	0.000	400.000	mmho/m	570.000	-2.000	
Medium	-0.003	0.769	V	0.000	462.500	mmho/m	560.000	-2.500	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.013	0.651	V	0.000	400.000	mmho/m	627.541	-8.365	
Medium	0.020	0.754	V	0.000	462.500	mmho/m	630.311	-12.549	
Litho Density Calibration Report									
Serial: 003N Model: PRB									
Performed Tue Sep 08 14:14:44 2009									

	Background	Magnesium	Aluminum	Sandstone	
Window 1	2042.6	12312.8	4225.8	13758.4	cps
Window 2	1855.8	10134.7	3624.2	11113.1	cps
Window 3	1639.4	6760.2	2716.3	7260.3	cps
Window 4	466.4	469.2	466.1	476.5	cps
Long Space	0.0	8278.9	1768.4	9257.4	cps
Short Space	2.2	2377.3	1544.1	2574.2	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 44.4	Rib Slope	: 0.979	Density/Spine Ratio	: 0.549
Spine Angle	: 74.4	Spine Slope	: 3.577	Spine Intercept	: -18.8
Caliper	Readings	Reference			
Low Ref	3.4	7.9			
High Ref	5.5	15.0			
	Gain: 3.4		Offset: -3.5		
Compensated Neutron Calibration Report					
		Serial Number:	070808		
		Tool Model:	Probe		
PRE-SURVEY VERIFICATION					
	Detector	Readings	Measured	Target	
	Short Space	cps			
	Long Space	cps	pu	pu	
POST-SURVEY VERIFICATION					
	Detector	Readings	Measured	Target	
	Short Space	cps			
	Long Space	cps	pu	pu	
Gamma Ray Calibration Report					
	Serial Number:	070559			
	Tool Model:	OPEN_GR			
	Performed:	Thu Jul 26 17:34:29 2012			
	Calibrator Value:	1.0	GAPI		
	Background Reading:	0.0	cps		
	Calibrator Reading:	1.0	cps		
	Sensitivity:	0.3000	GAPI/cps		