NABORS
COMPLETION & PRODUCTION SERVICES CO.

COMPENSATED DENSITY / NEUTRON LOG

Company PELICAN HILL OIL & GAS, INC.

Well T-NELSON #1-10

Field

County GOVE State KANSAS

Location: API # : 15-063-22150

270' FNL & 2010' FWL

SEC 10 TWP 15S RGE 31W

Other Services
DIL
SONIC/MEL
FRAC FINDER

Elevation
K.B. 2643
D.F.
G.L. 2633

Permanent Datum GROUND LEVEL Elevation 2633
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING

Company PELICAN HILL OIL & GAS, INC.
Well T-NELSON #1-10
Field
County GOVE
State KANSAS

Date	11-8-13		
Run Number	ONE		
Depth Driller	4360		
Depth Logger	4364		
Bottom Logged Interval	4340		
Top Log Interval	3400		
Casing Driller	263		
Casing Logger	263		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.5 / 57		
pH / Fluid Loss	10.0 / 8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.10 @ 93F		
Rmf @ Meas. Temp	0.83 @ 93F		
Rmc @ Meas. Temp	1.32 @ 93F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.870 @ 118F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	2:00 P.M.		
Maximum Recorded Temperature	118F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	ROGER FISHER		

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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

NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUISNESS
DIRECTIONS: MONUMENT ROCKS, 2S, W INTO.

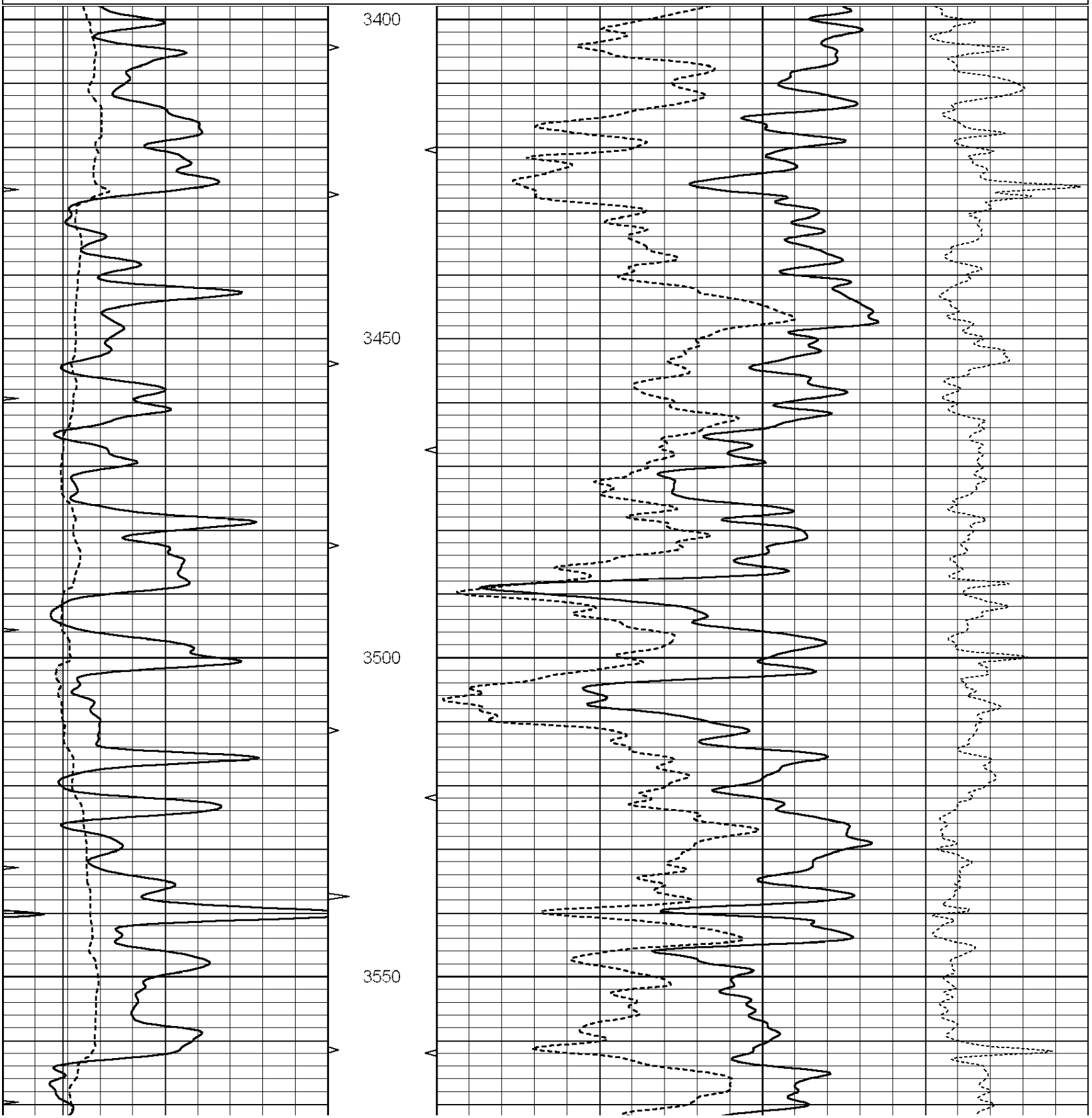
MAIN SECTION

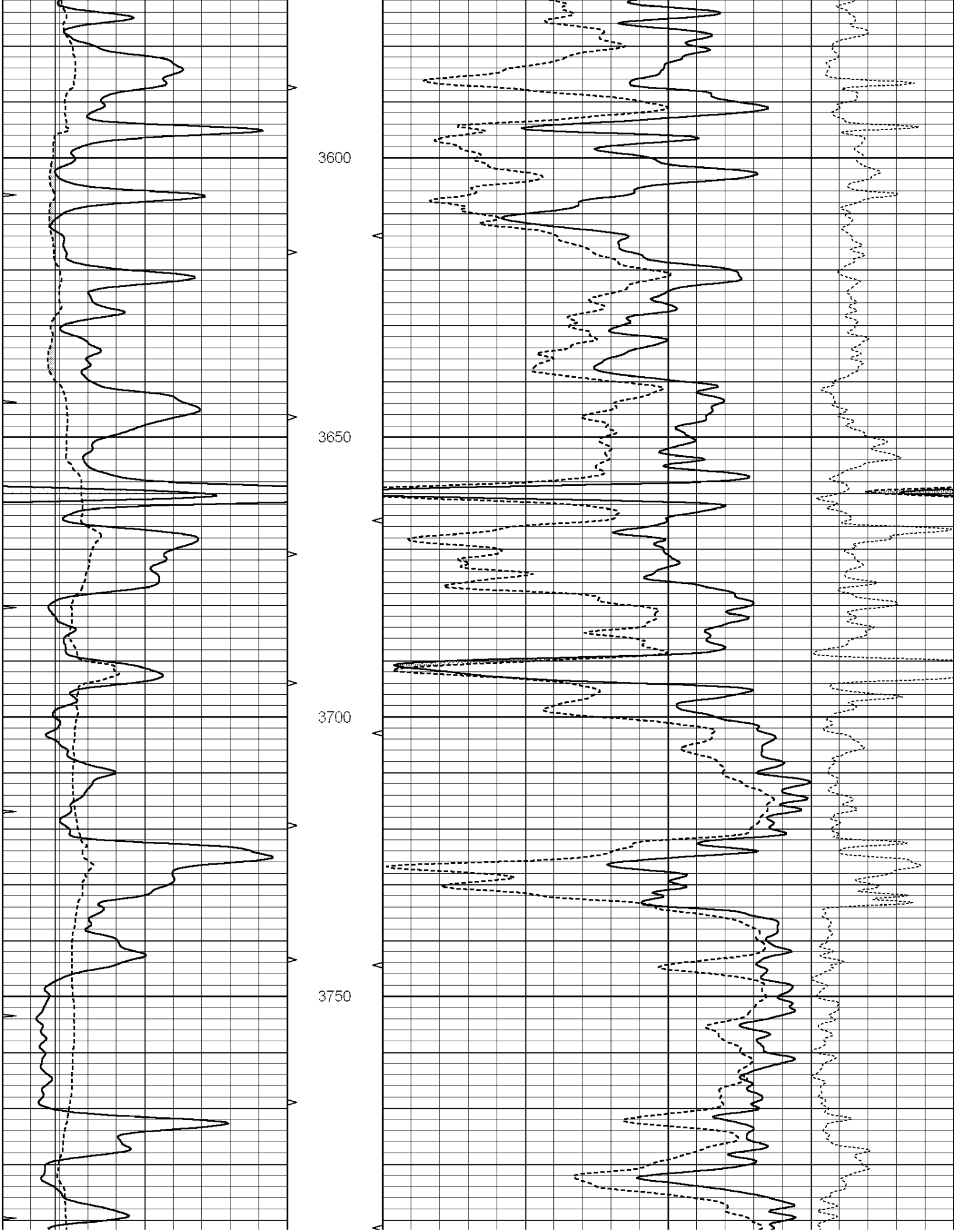
NABORS COMPLETION & PRODUCTION

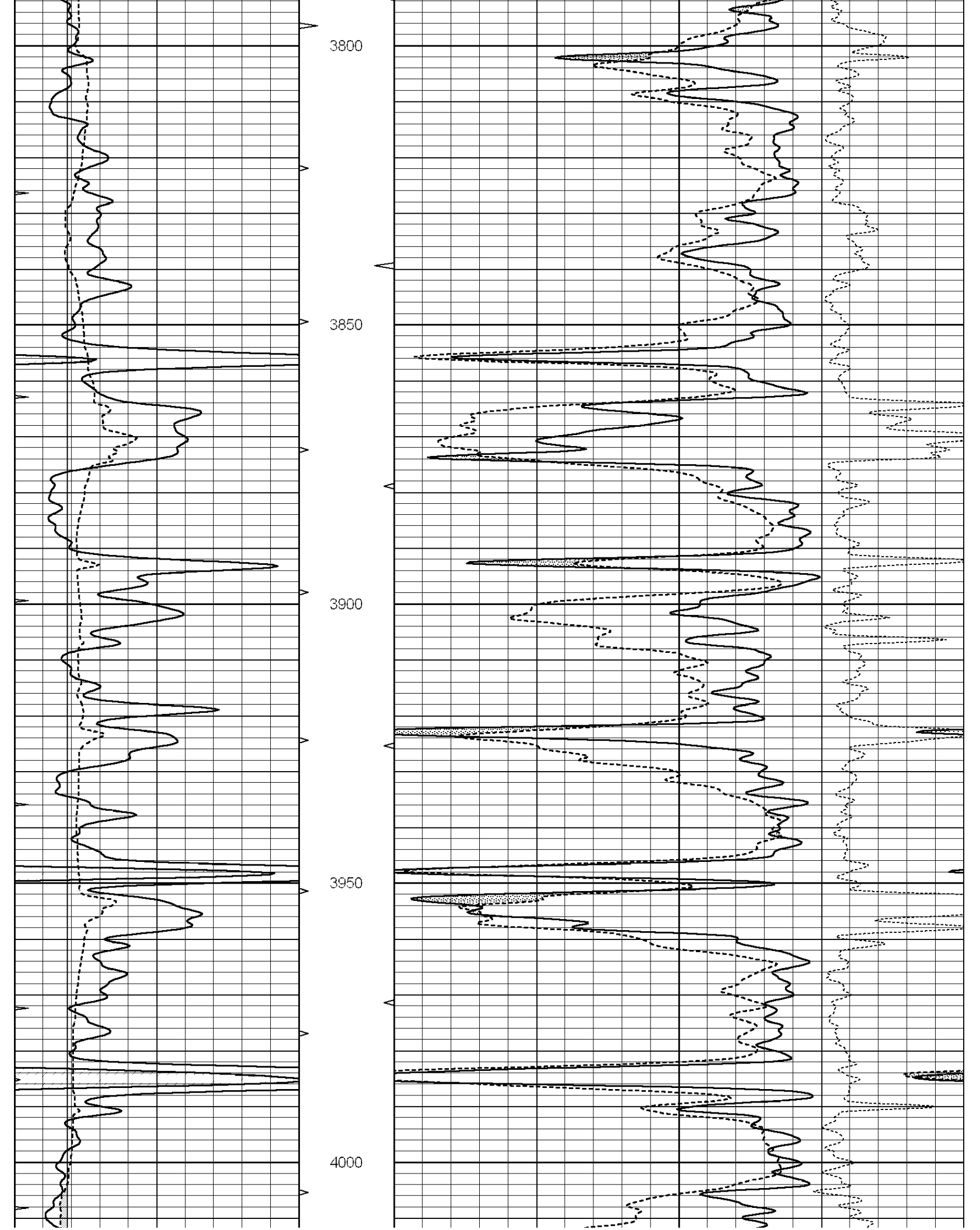
& PRODUCTION
SERVICES CO.

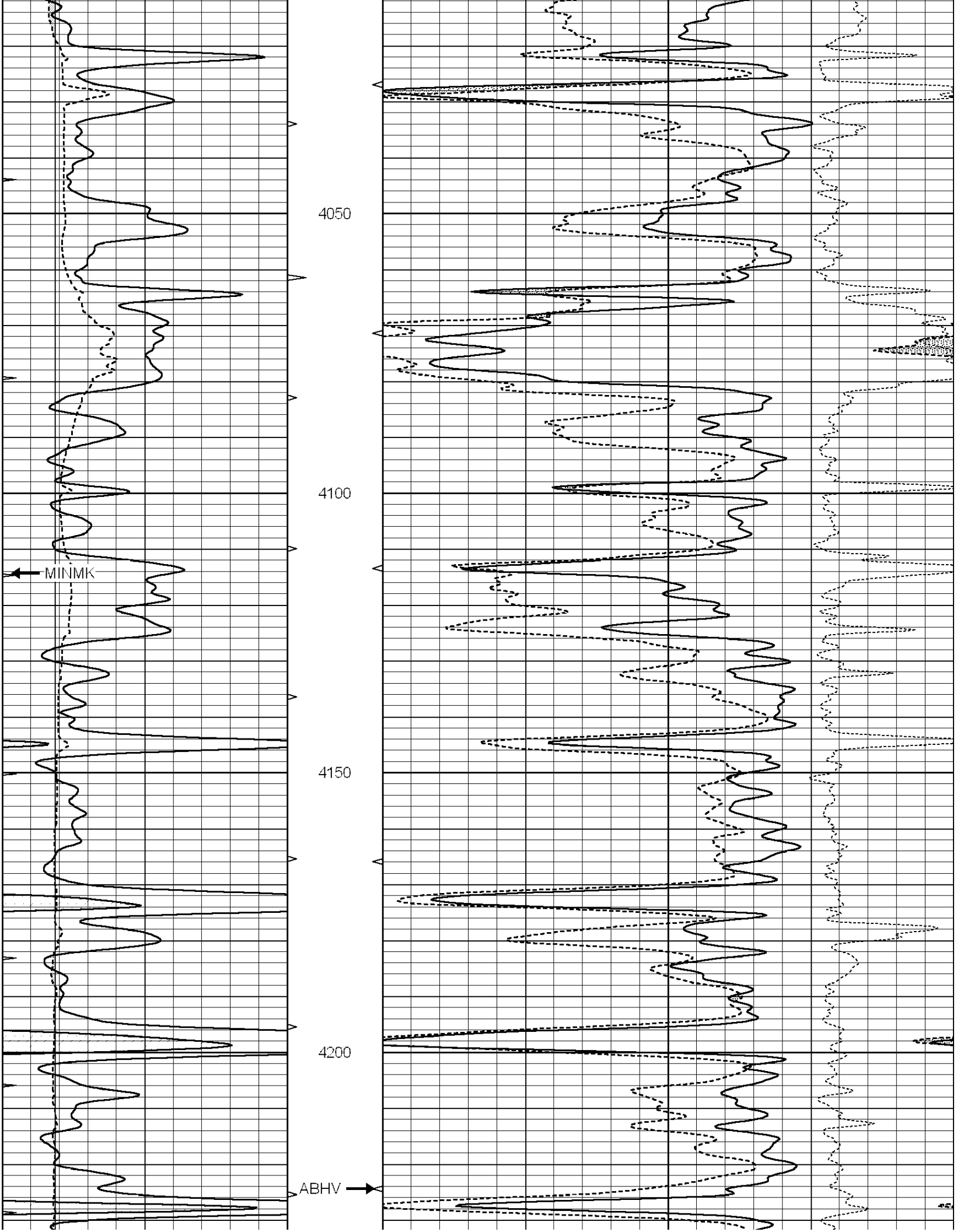
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Presentation Format: _den_neu
Dataset Creation: Fri Nov 08 15:15:15 2013
Charted by: Depth in Feet scaled 1:240

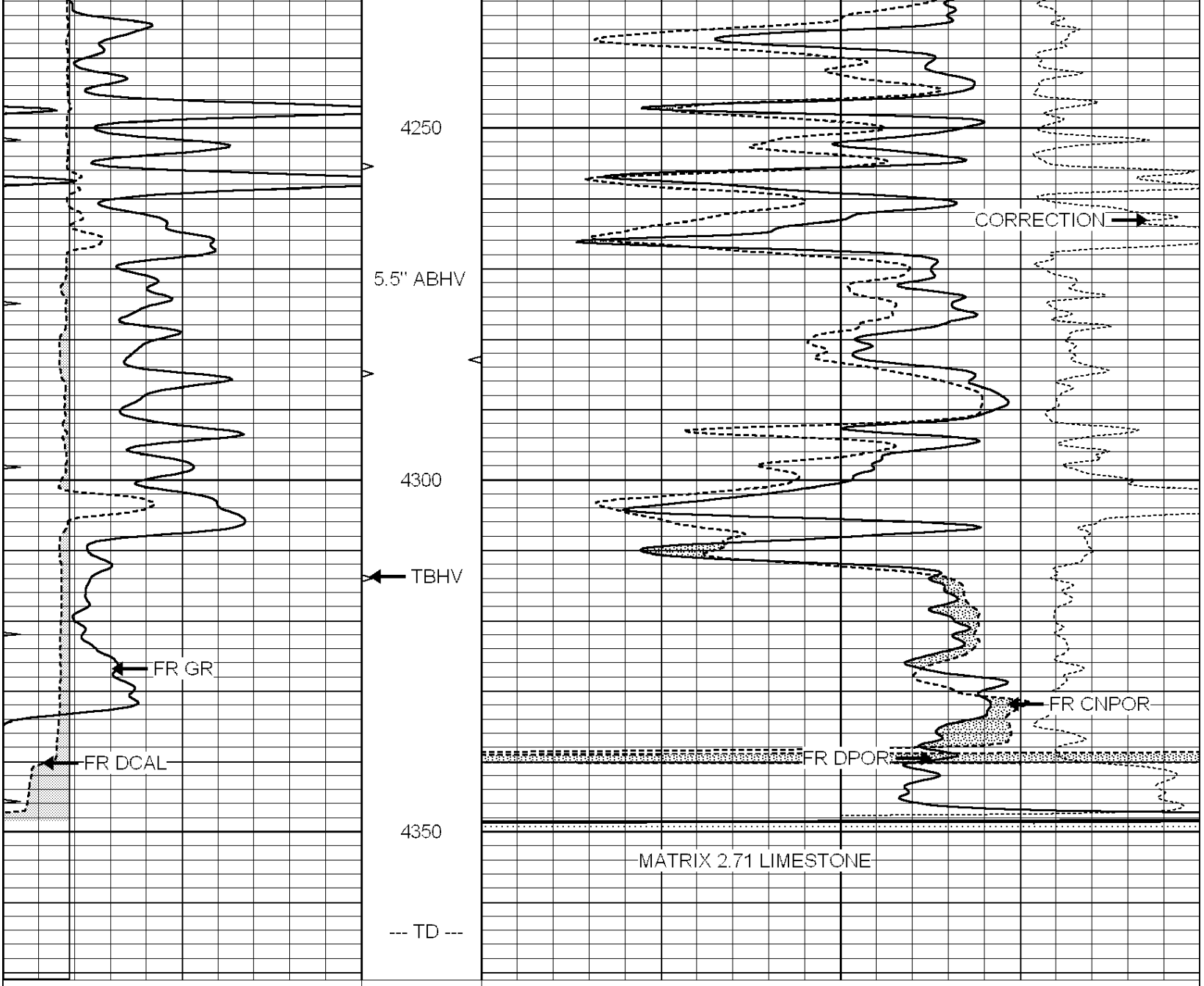
0	GAMMA RAY (GAPI) 150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in) 16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK 20	TBHV		-0.25 CORRECTION (g/cc)	0.25
		0 (ft3) 10			




3600
3650
3700
3750


3800
3850
3900
3950
4000


4050
4100
MINMK
4150
4200
ABHV



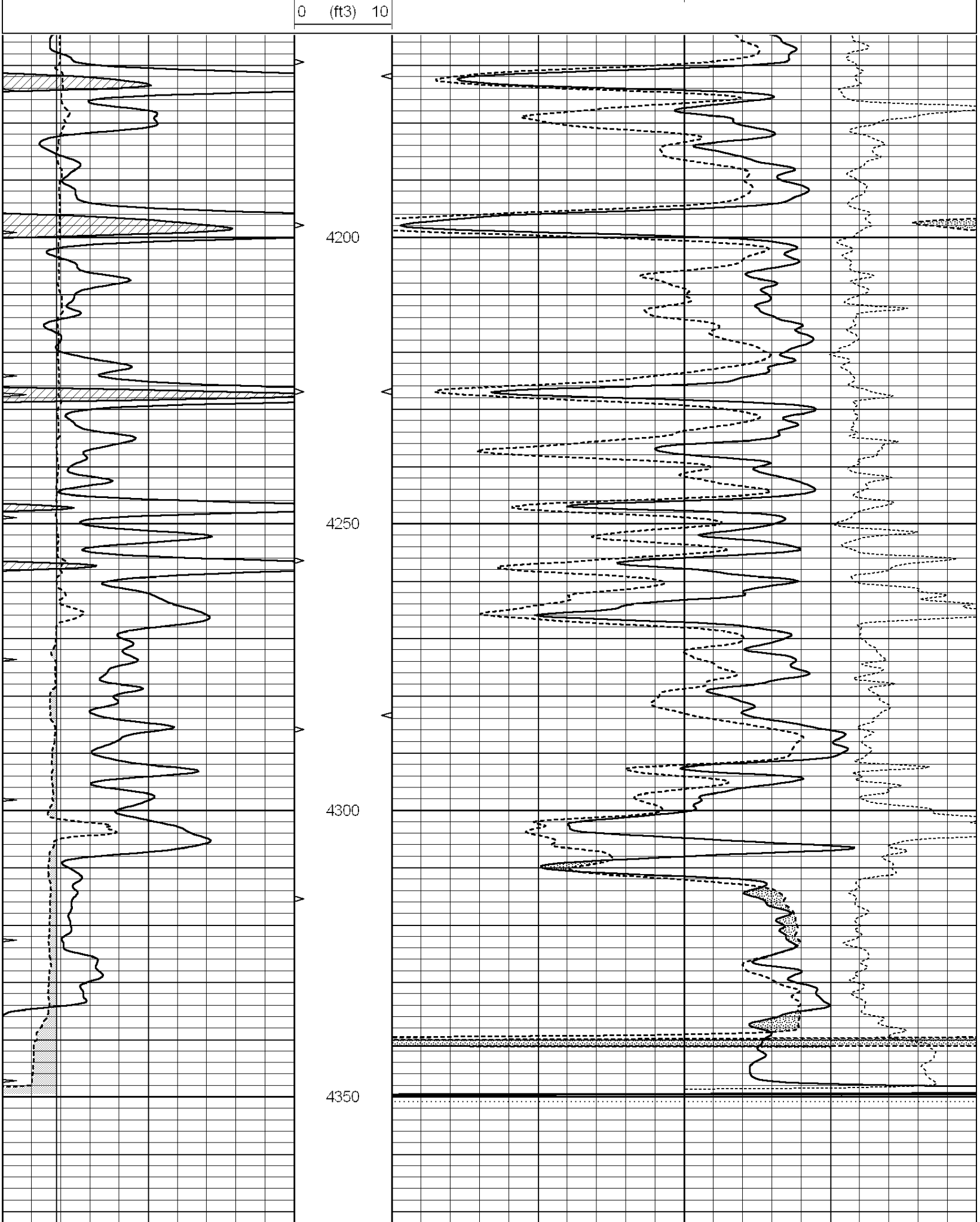
0	GAMMA RAY (GAPI) 150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in) 16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK 20	TBHV	-0.25	CORRECTION (g/cc)	0.25
		0 (ft3) 10			

NABORS
COMPLETION & PRODUCTION SERVICES CO.

REPEAT SECTION

Database File: 012034ddn.db
Dataset Pathname: pass2.1A
Presentation Format: _den_neu
Dataset Creation: Fri Nov 08 14:51:08 2013 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 (ft3) 10
4200
4250
4300
4350
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: 012034ddn.db
Dataset Pathname: pass3.A
Dataset Creation: Fri Nov 08 15:15:15 2013

Dual Induction Calibration Report

Serial-Model: DIL3-GEAR
Performed: Fri Nov 08 14:48:45 2013

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	0.000	400.000	mmho/m	480.000	4.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	550.000	4.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.645	V	0.000	400.000	mmho/m	560.000	-1.071
Medium	0.007	0.740	V	0.000	462.500	mmho/m	540.000	-4.000

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
Source / Verifier: 147 / 147
Master Calibration Performed: Fri Nov 08 14:16:27 2013

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1205.77	610.74	cps
Aluminum	2.580	g/cc	271.21	419.72	cps

Spine Angle = 75.89 Density/Spine Ratio = 0.566

	Size		Reading	
Small Ring	8.20	in	4.83	V
Large Ring	14.00	in	7.01	V

Compensated Neutron Calibration Report

Serial Number: NEU_4I
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: Fri Nov 08 14:47:22 2013

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps

Calibrator Reading:	1.0	cps
Sensitivity:	0.9100	GAPI/cps