

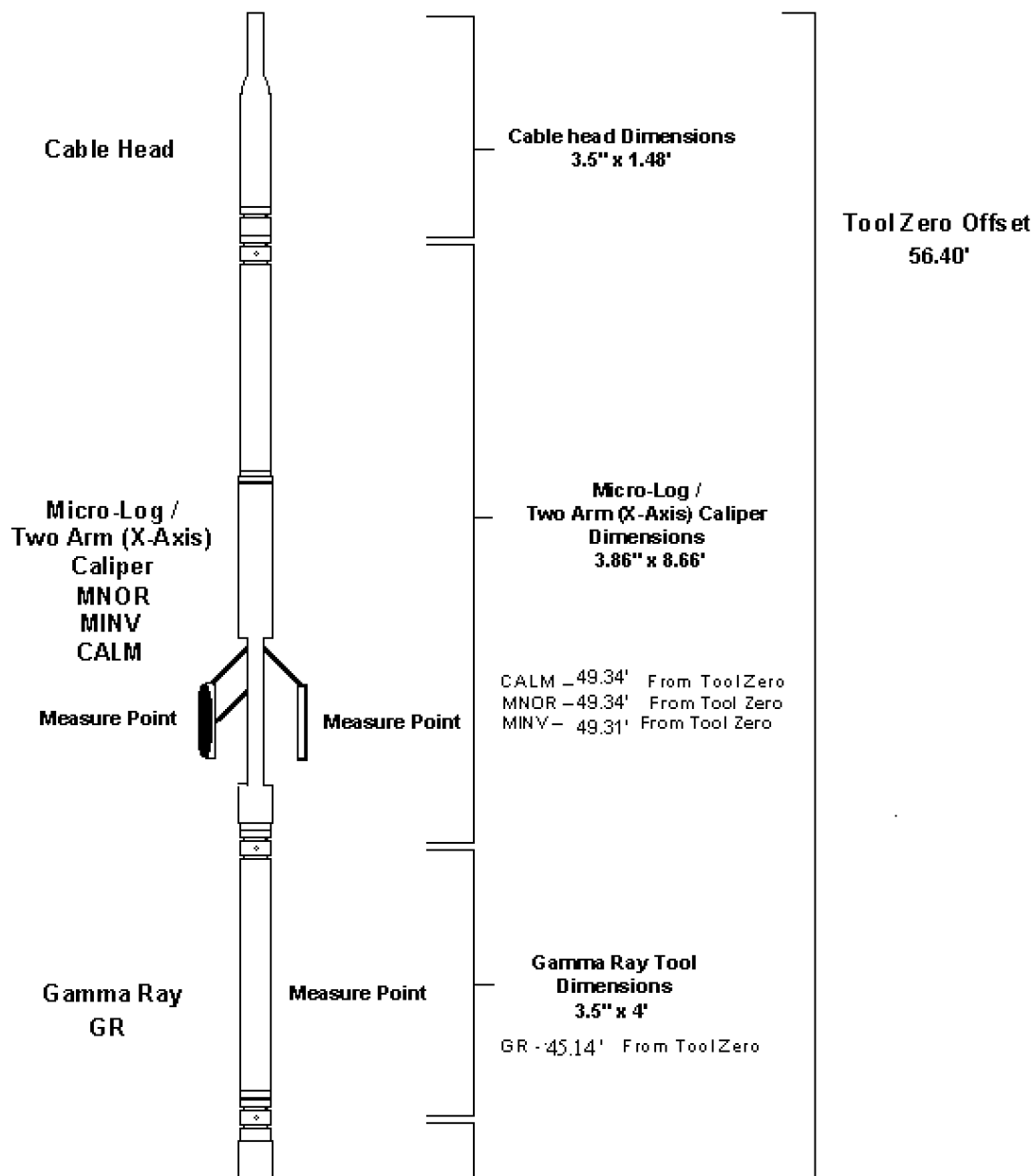
CEMENT VOLUME CALCULATIONS SUMMARY

Tool Type	LDT-CNT			
Tool Serial #	RN2008 / RL4102	Caliper Type	X-Y CALIPERS	
	Borehole Total	Annular Volume with Casing	From Depth (MKb)	To Depth (MKb)
VOLUMES	551.001 Cubic Feet	284.149 Cubic Feet	4000	TD

CASING INFORMATION

	SIZE (in)	GRADE	WEIGHT (lbs/ft)	ID (in)	TOP DEPTH	BOT DEPTH
SURFACE CASING	8 5/8	J-55	24	8.097	Surface	351
INTERMEDIATE CASING	N/A	N/A	N/A	N/A	N/A	N/A
PRODUCTION CASING	5 1/2	J-55	15.5	4.950	Surface	TD

DUAL INDUCTION - SP / GAMMA RAY /
COMPENSATED LITHO-DENSITY / X-CALIPER
COMPENSATED NEUTRON / Y-CALIPER
MICRO - LOG / M-CALIPER



Compensated Neutron
Y – Axis Caliper
NP (SS,LS,DL)
CALY

Compensated Neutron
Y-Axis Caliper
Dimensions
3.98" x 10.25'

CALY - 37.14' From ToolZero
CNL LS - 36.32' From ToolZero
CNL SS - 35.73' From ToolZero

Measure Point

Digital Telemetry

Digital Telemetry Section
Dimensions
3.5" x 3.15'

Tool String
Length Total
57.89'

Compensated
Litho-Density (Pe)
X – Axis Caliper

DP(SS,LS,DL)
RHOB
DRHO
PE
CALX

Measure Point

Compensated Litho-Density
X-Axis Caliper
Dimensions
3.98" x 9.35'

CALX - 23.20' From ToolZero
LDT w1 -
LDT w2 -
LDT w3 - 22.93' From ToolZero
LDT w4 -
LDT SS - 22.44' From ToolZero

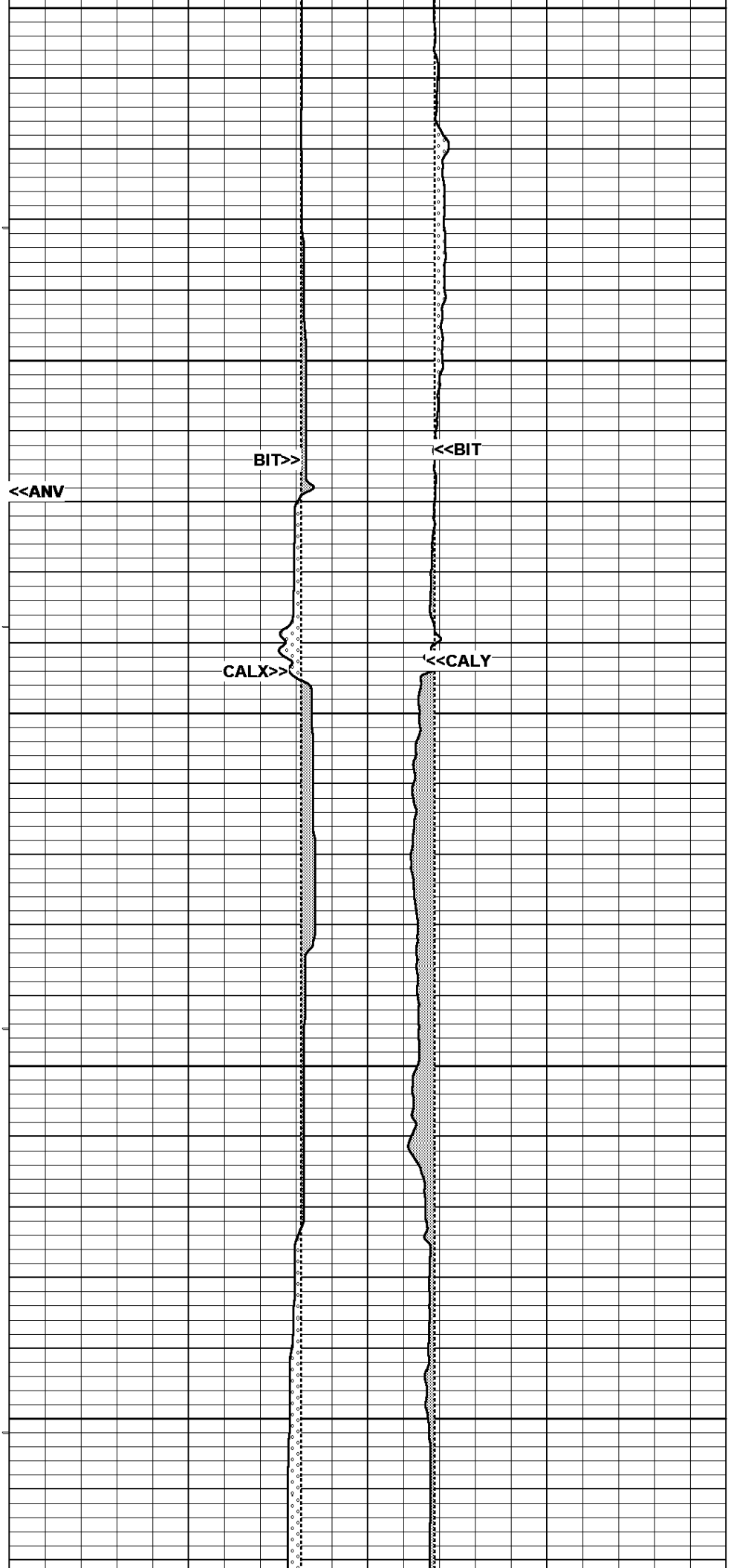
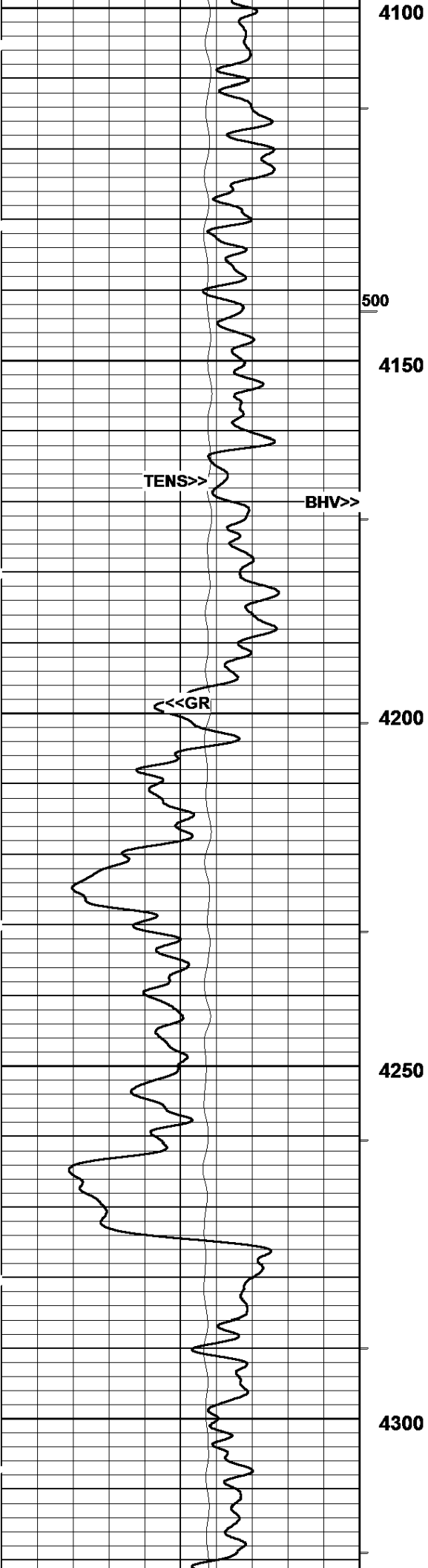
Dual Induction

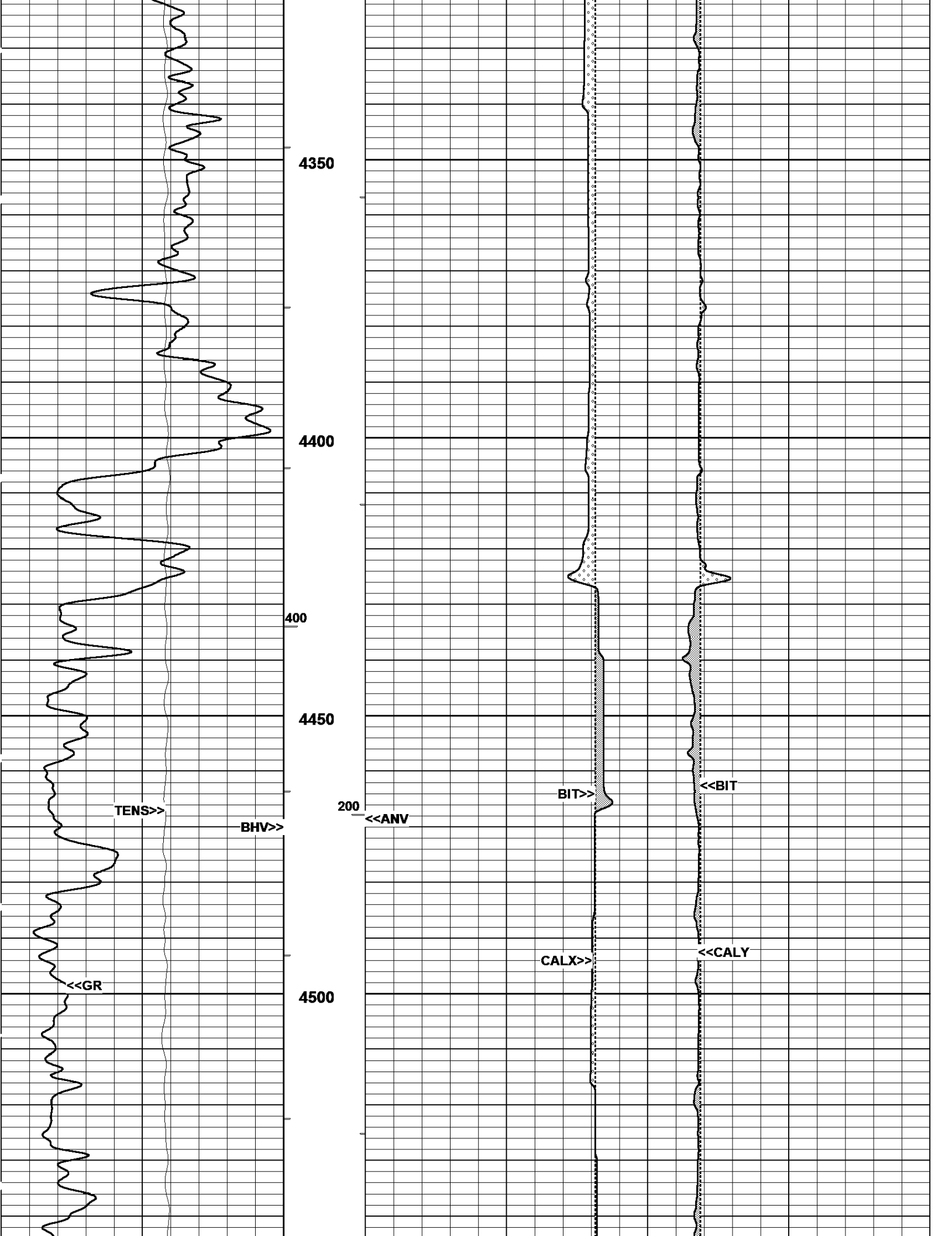
SP
ILD
ILM
LL3

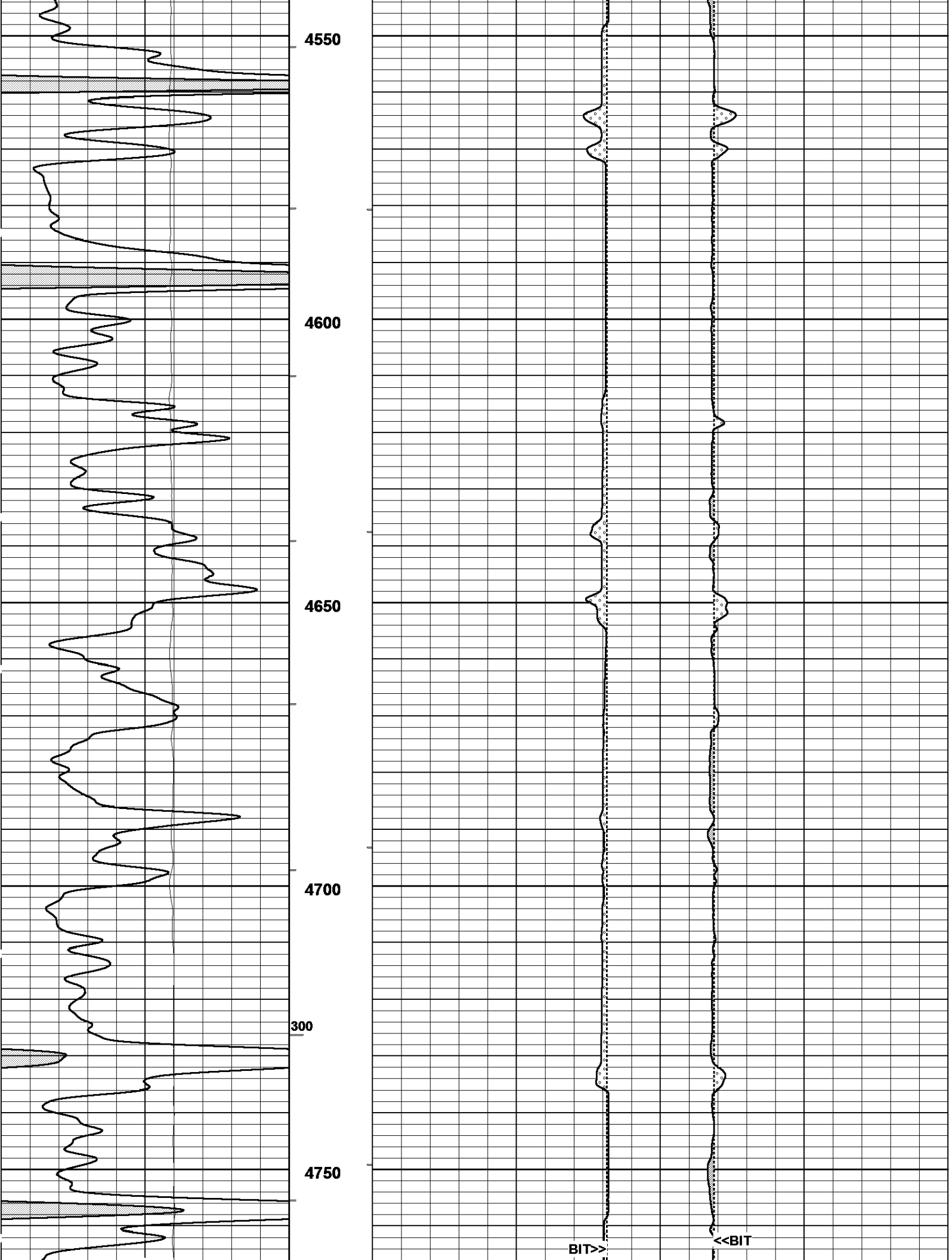
Dual Induction Tool
Dimensions
3.62" x 21'

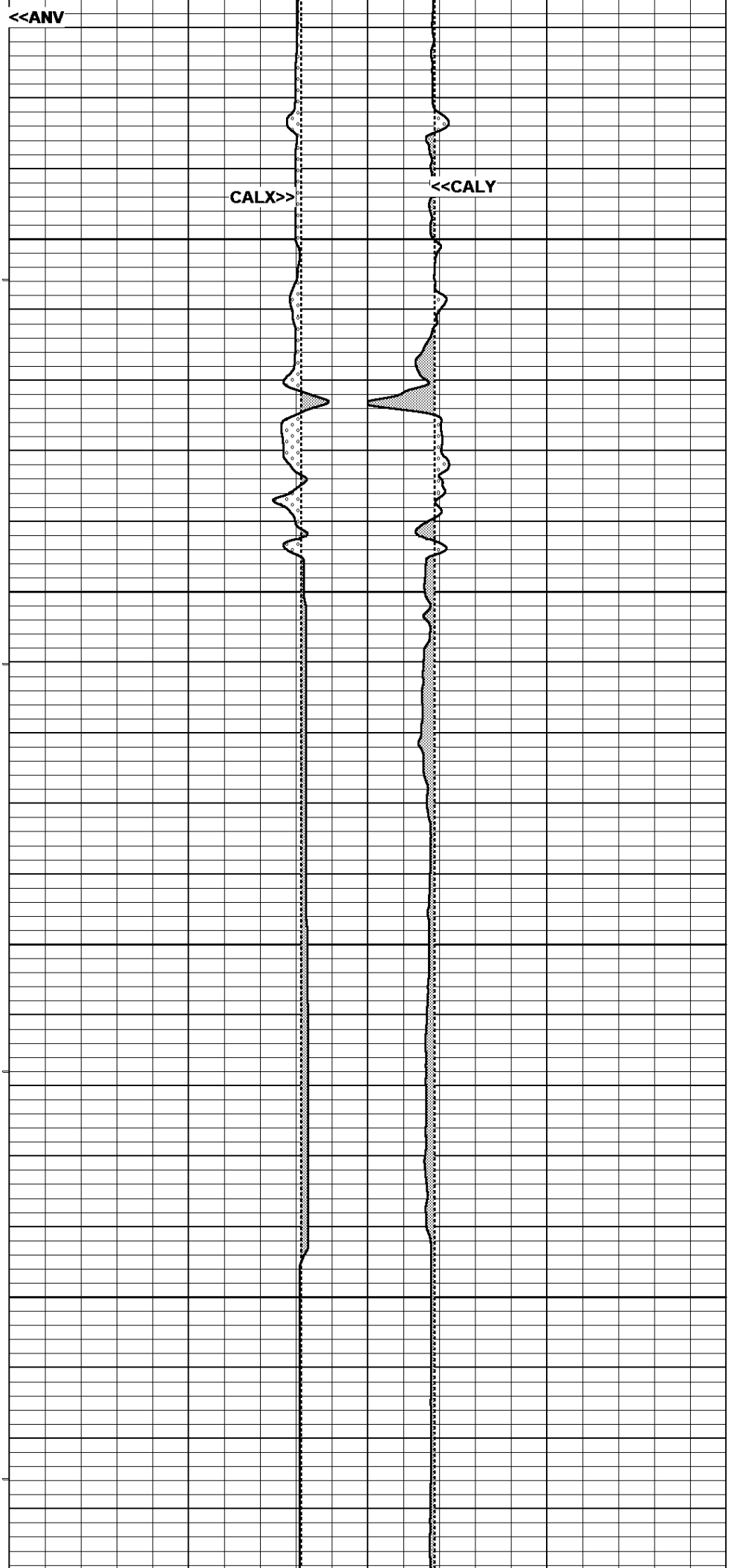
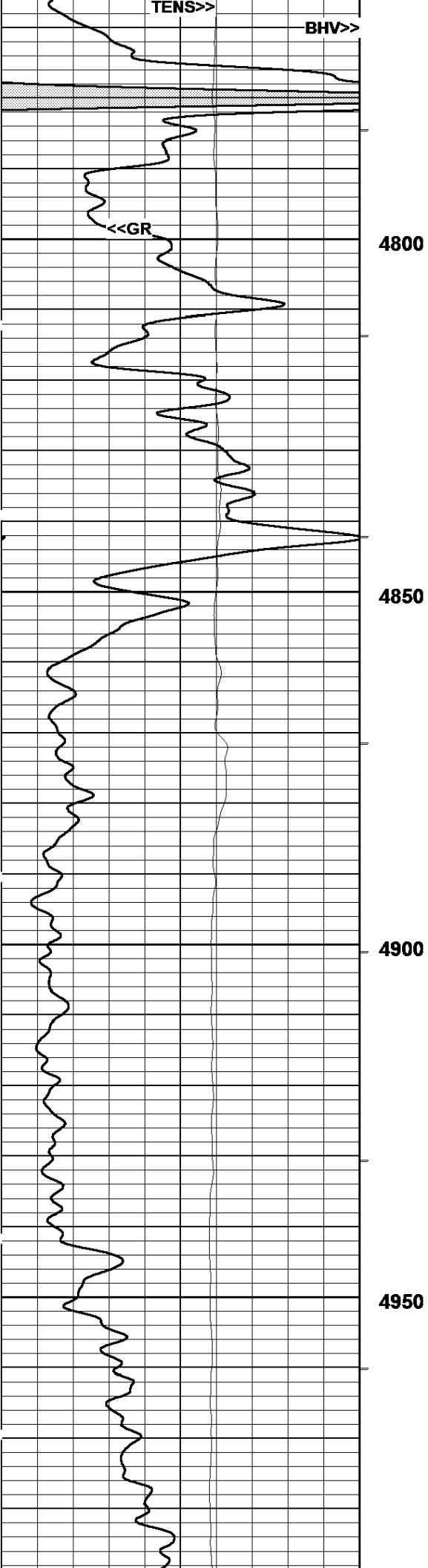
SP - 10.96' From ToolZero

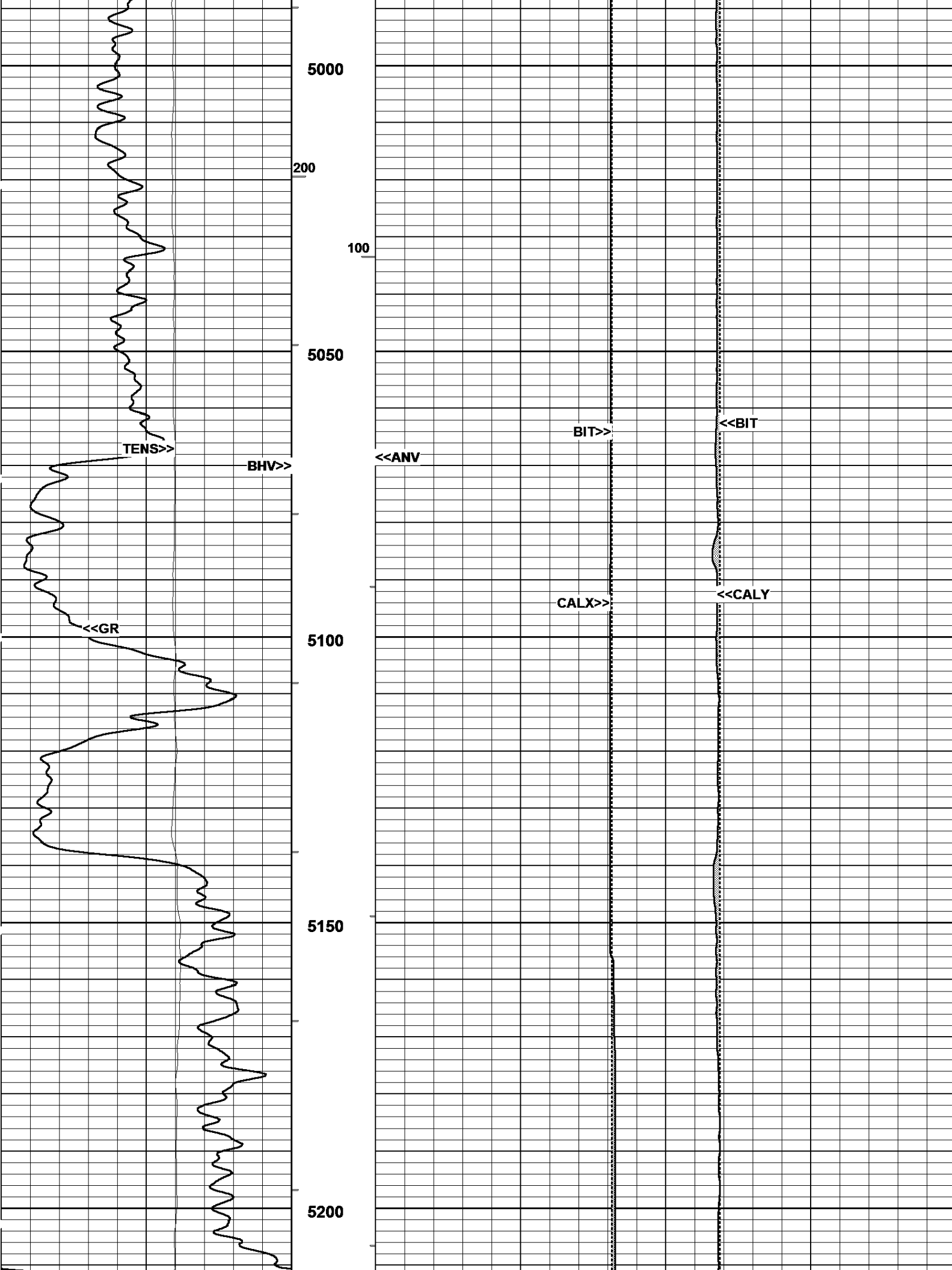
S.P. / CILD

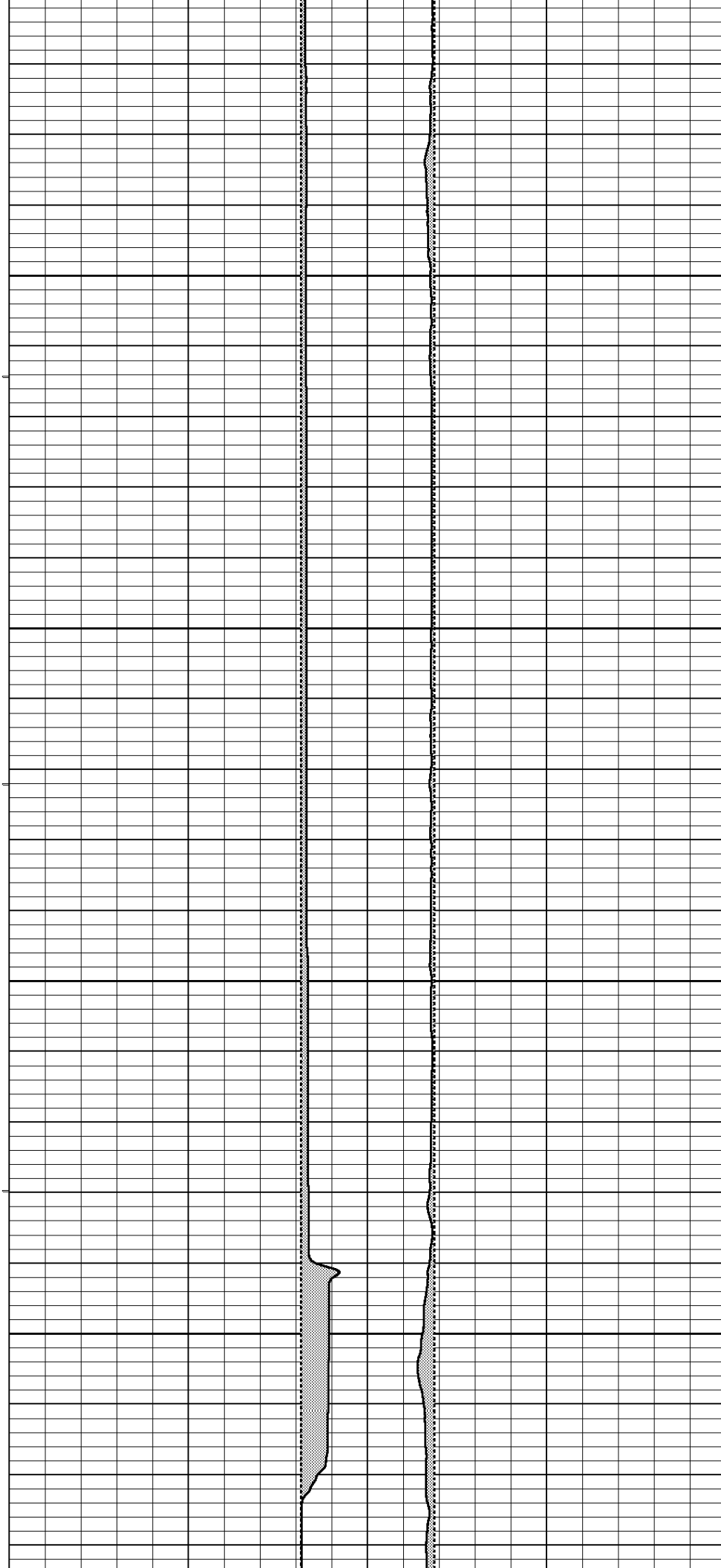
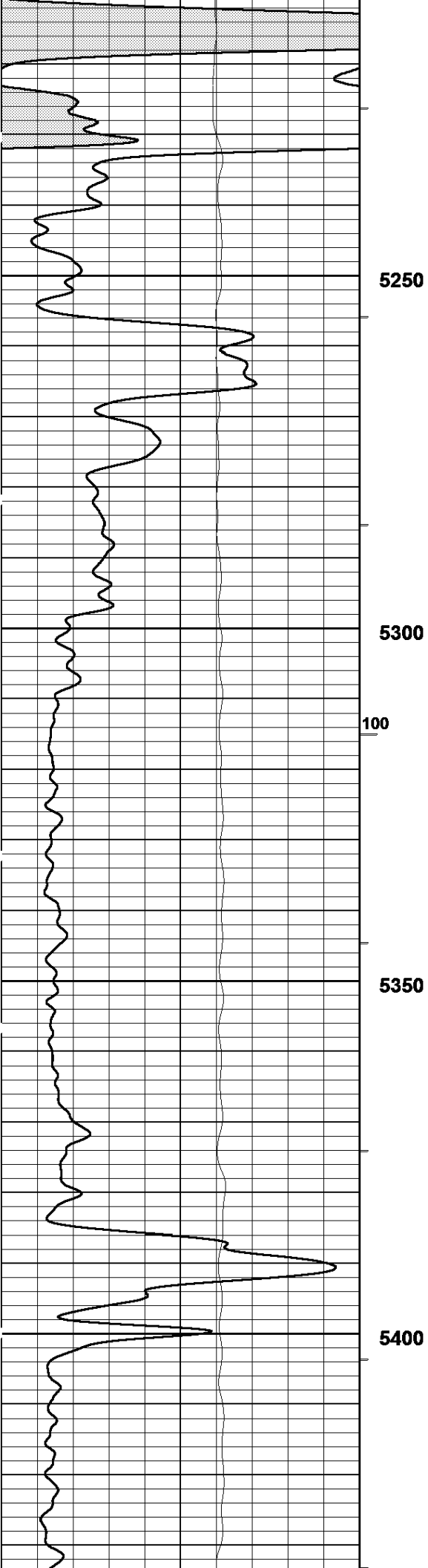


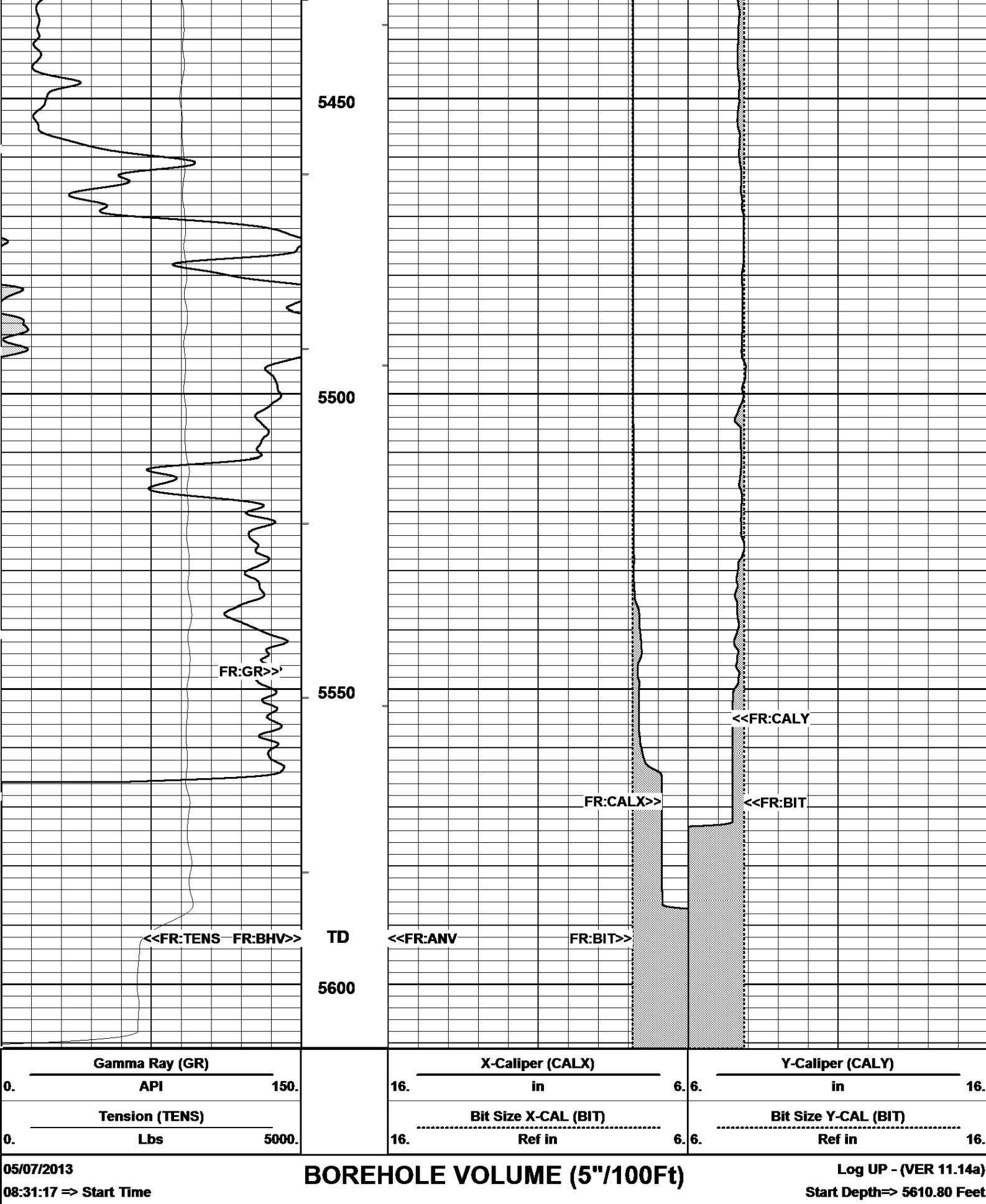












GAMMA RAY CALIBBRATIONS

SERIAL NUM
BLANKET NUM

RG3007
1A

MASTER CALIBRATIONS

LowVal: 0.000 API

HighVal: 135.000 API

Gain/Offset

CALIBRATION DATE

CALIBRATION TIME

BASE CALS

0.000 - raw

382.147 - raw

0.415 - gain
0.000 - off

M/D/Y> 1/27/2012

H:M:S> 14:23:8

X CALIPER

SERIAL NUM

RL4102

MASTER CALIBRATIONS

LowVal: 6.000 in

HighVal: 10.000 in

Gain/Offset

CALIBRATION DATE

CALIBRATION TIME

BASE CALS

1652.405 - raw

3699.297 - raw

0.002 - gain
2.771 - off

M/D/Y> 4/15/2013

H:M:S> 11:50:45

Y Caliper Calibration

SERIAL NUM

RN2008

MASTER CALIBRATIONS

LowVal: 6.000 in

HighVal: 10.000 in

Gain/Offset

CALIBRATION DATE

CALIBRATION TIME

BASE CALS

962.880 - raw

1682.013 - raw

0.006 - gain
0.644 - off

M/D/Y> 2/7/2013

H:M:S> 13:58:42

Company

VAUGHN GOOD OIL COMPANY

Well

NUSSER #3-16

Field

S.E. HARDTNER

County

BARBER

State

KANSAS

RECON

BOREHOLE
VOLUME
X-Y CALIPER

RECON
PETROTECHNOLOGIES LTD

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