

TREK AEC
BLACKWELDER #1-30
WILDCAT
PRATT
KANSAS

*Marked
w Dist & Log Tops*



COMPENSATED NEUTRON
LITHOLOGY DENSITY
GAMMA RAY X-Y CALIPER
MICROLOG

Location: 750' FNL & 1000' FEL
SURE: SAME
APR: 15-151-22444-00-00
NW SW NE NE
OTHER SERVICES:
DIL SONIC
ELEVATIONS K.B. 1869
G.L. 1857
D.F. 1868

Permanent Datum Ground Level Elev 1857
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Date	02-DEC-2014
Run No.	ONE
TD Driller	4850 RL
TD RECON	4855 RL
Bot Logged Interval	4854 RL
Top Logged Interval	265 RL
Casing Depth Driller	8 5/8 in. @ 268
Casing Depth RECON	8 5/8 in. @ 265
Bit Size	7 7/8 in.
Drilling Fluid Type	Chemical
Density	8.9 ppg
Viscosity	12.4 ml/30min
Fluid Loss	60 sec/qt
PH	10.0 strip
Flowline	
Source Or Sample	
RM @ Measured Temp	0.429 Ohmm @ 75
RMF @ Measured Temp	0.322 Ohmm @ 75
RMC @ Measured Temp	0.536 Ohmm @ 75
RM @ MRT	0.249 Ohmm @ 134
Max Recorded Temp	134 DegF
Time Drilling Stopped	01-DEC-2014 20:00
Time Circulation Stopped	01-DEC-2014 23:15
Time Logger On Bottom	02-DEC-2014 08:14
Unit Num	S409
Location	OKLAHOMA CITY, OK
Recorded By	H. GARCIA
Witnessed By	M.R. D. GOULD

All interpretations are based on inferences from electrical or other readings, and therefore, RECON cannot and will not guarantee the accuracy of any interpretations of log data. RECON shall not be liable for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from

Interpretations made by any of our officers, agents or employees, except in the case of provable Gross Negligence or willful damage. Interpretations are also subject to the terms and conditions of our Price Schedule and General Service Agreement.

RIG INFORMATION

Drill Contr/Rlg#	FOSSIL DRLG. #3
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GENERAL REMARKS SECTION

<p>FIRST RUN IN THE HOLE CNL AND LDT LOGGED IN A LIMESTONE MATRIX TOP MARK - 291, BOTTOM MARK - 4796.3 CNL/LDT LOGGED MATRIX: 2.71 g/cc.</p> <p>CHLORIDES: 10,000 ppm LCM: 4 lb/bbl</p> <p>THANK YOU FOR USING RECON PETROTECHNOLOGIES LTD.</p>	<p>AHV CALCULATED ON 5.5" PROD. CASING</p> <p>CREW: J. ROSE, B. THOMAS</p>
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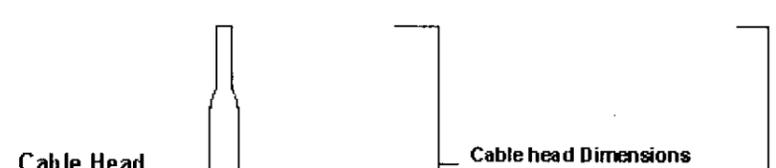
CEMENT VOLUME CALCULATIONS SUMMARY

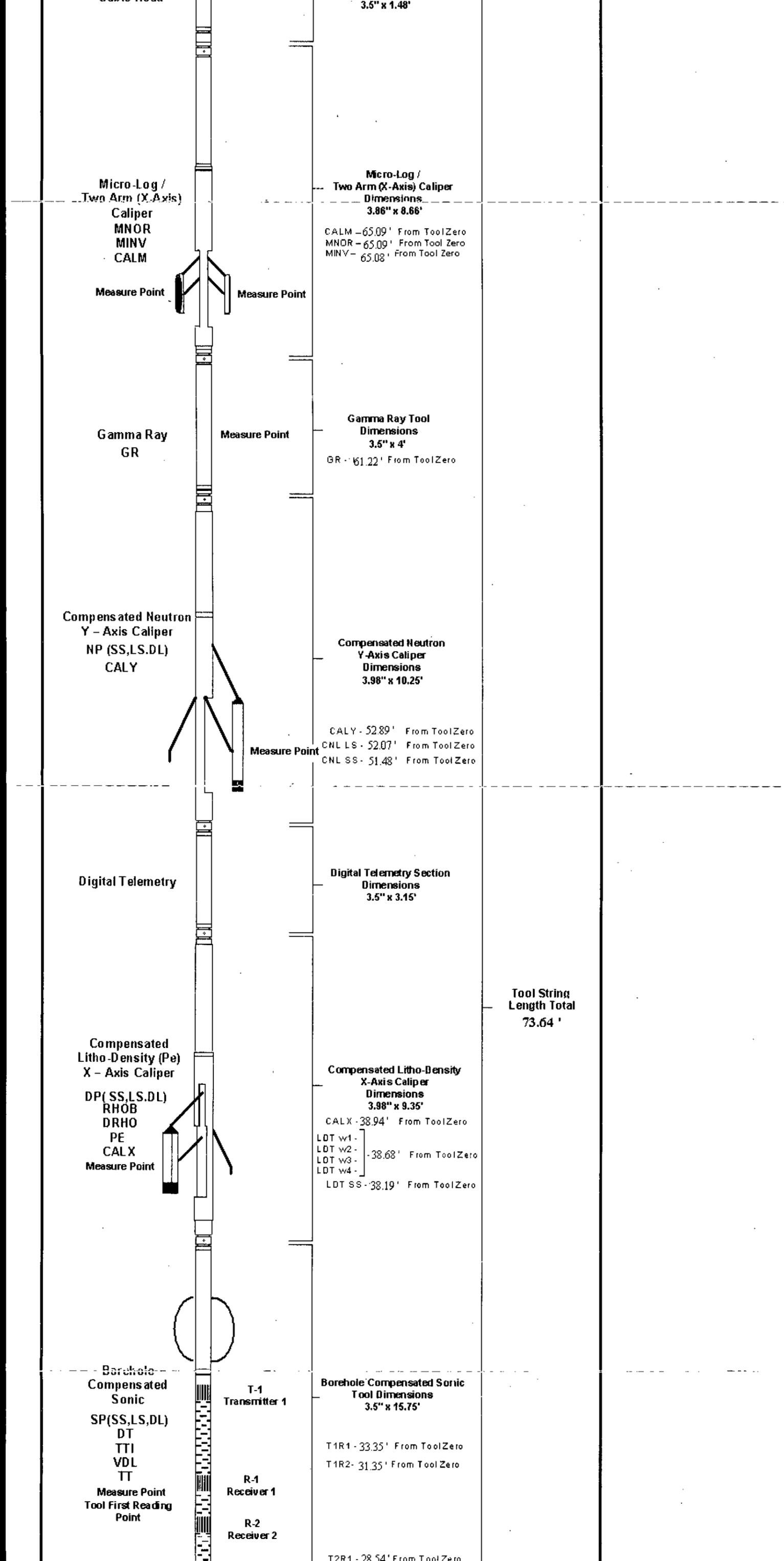
Tool Type	LDT-CNT	Caliper Type	X-Y CALIPERS
Tool Serial #	RN2002 / RL4106		
	Borehole Total	Annular Volume with Casing	From Depth (MKb) To Depth (MKb)
VOLUMES	2272.951 Cubic Feet	1510.904 Cubic Feet	SCG 265 TD 4855

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	265
INTERMEDIATE CASING	N/A	N/A	N/A	N/A	Surface	N/A
PRODUCTION CASING	5 1/2	J-55	15.5	4.950	Surface	TD

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





3.5" x 1.48'

Micro-Log /
Two Arm (X-Axis)
Caliper
MNOR
MINV
CALM

Micro-Log /
Two Arm (X-Axis) Caliper
Dimensions
3.86" x 8.66'

CALM - 65.09' From ToolZero
MNOR - 65.09' From Tool Zero
MINV - 65.08' From Tool Zero

Measure Point

Gamma Ray
GR

Gamma Ray Tool
Dimensions
3.5" x 4'

GR - 61.22' From ToolZero

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

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

CALY - 52.89' From ToolZero
CNL LS - 52.07' From ToolZero
CNL SS - 51.48' From ToolZero

Digital Telemetry

Digital Telemetry Section
Dimensions
3.5" x 3.15'

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 - 38.94' From ToolZero
LDT w1 -
LDT w2 -
LDT w3 - -38.68' From ToolZero
LDT w4 -
LDT SS - 38.19' From ToolZero

Tool String
Length Total
73.64'

Borehole
Compensated
Sonic
SP(SS,LS,DL)
DT
TTI
VDL
TT
Measure Point
Tool First Reading
Point

Borehole Compensated Sonic
Tool Dimensions
3.5" x 15.75'

T1R1 - 33.35' From ToolZero
T1R2 - 31.35' From ToolZero

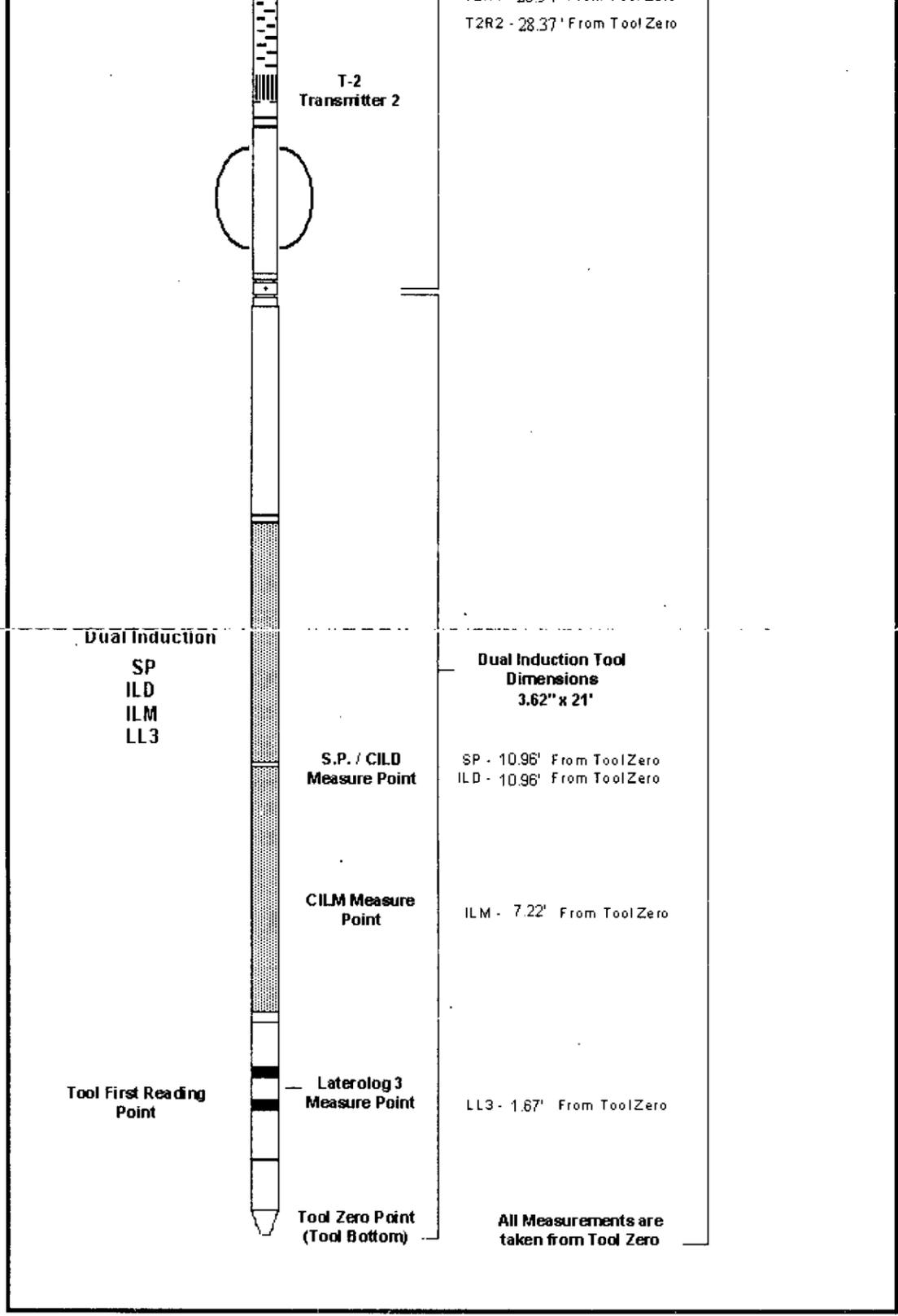
T-1
Transmitter 1

R-1
Receiver 1

R-2
Receiver 2

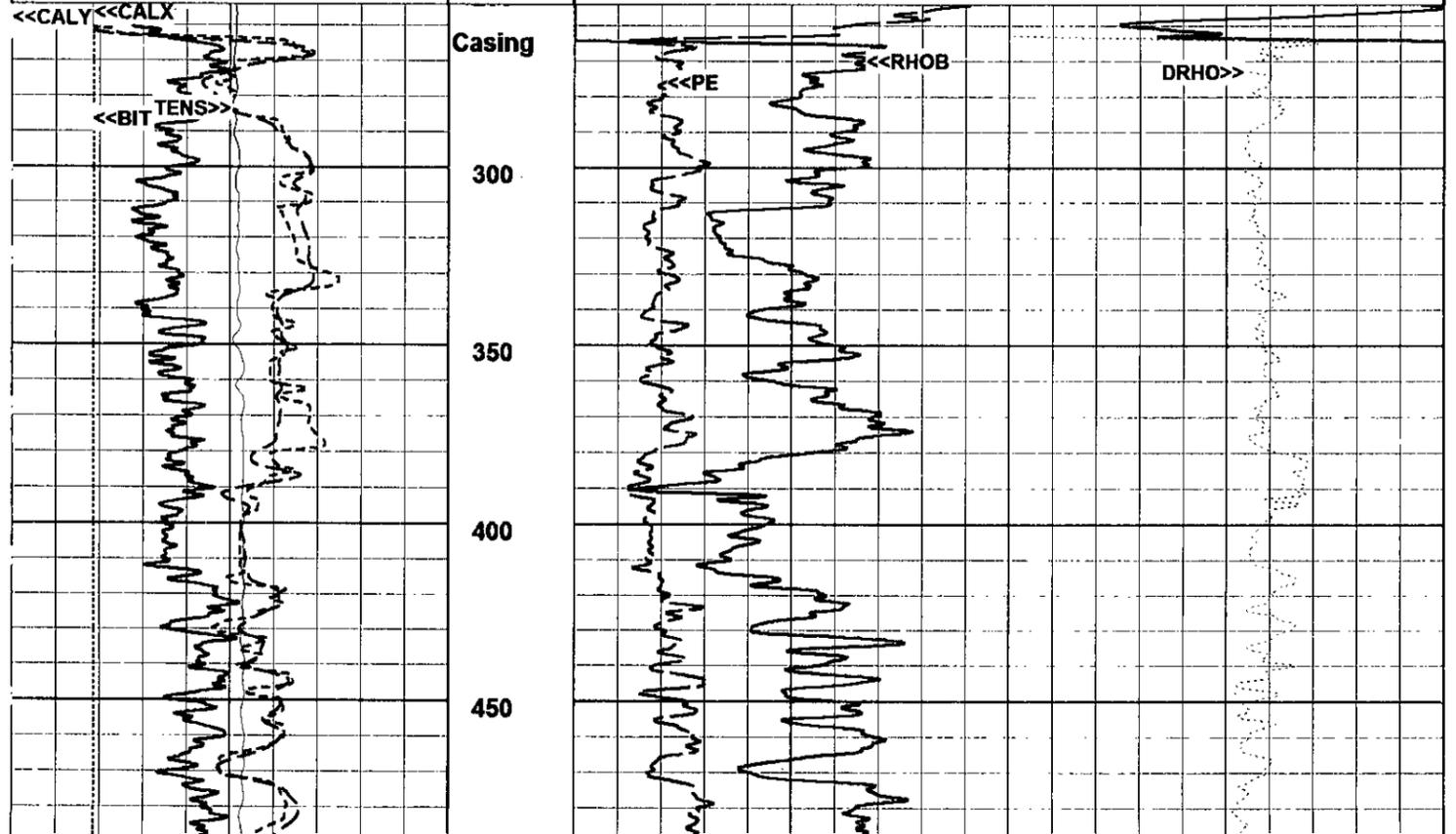
T2R1 - 28.54' From ToolZero

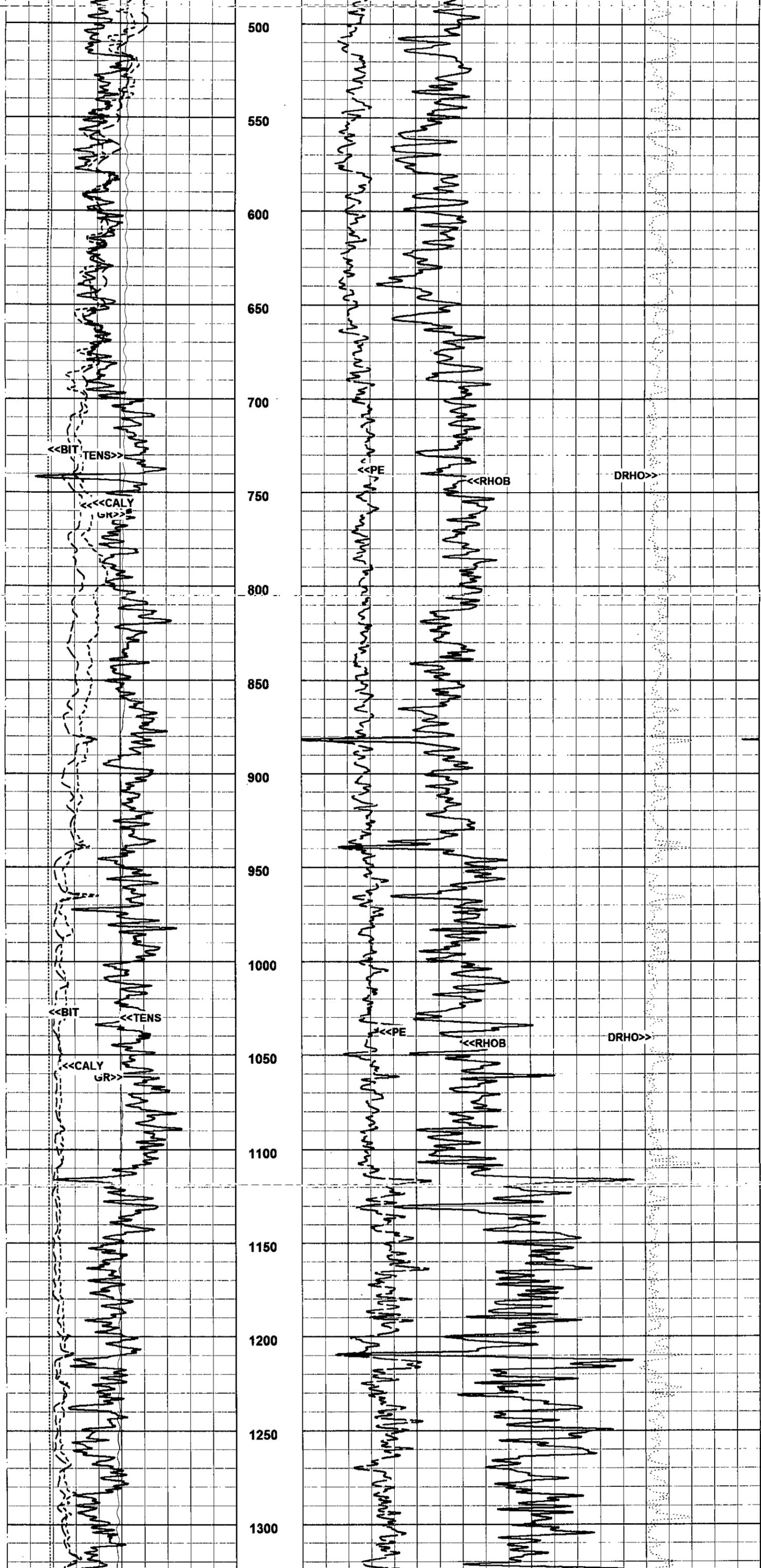
T2R2 - 28.37' From Tool Zero



12/02/2014
22:43:20 => End Time
MAIN PASS - RHOB (2"/100Ft)
Log UP - (VER 11.19)
End Depth=> 254.75 Feet

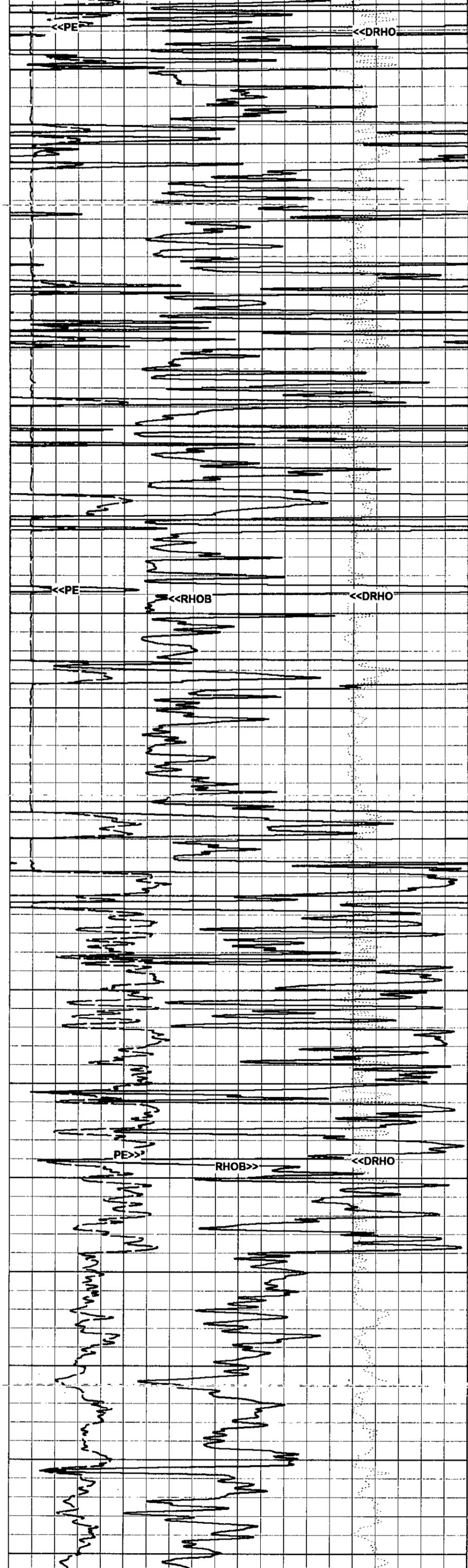
Bit Size (BIT)		Photo Electric (PE)		Delta RHO (DRHO)	
6.	Ref In	16.	Barns/Elect	10.	0.5
Tension (TENS)		Bulk Density (RHOB)			
5000.	Lbs	0.	g/cc		
Y-Caliper (CALY)					
6.	In	16.			
X-Caliper (CALX)					
6.	In	16.			
Gamma Ray (GR)					
0.	API	150.			

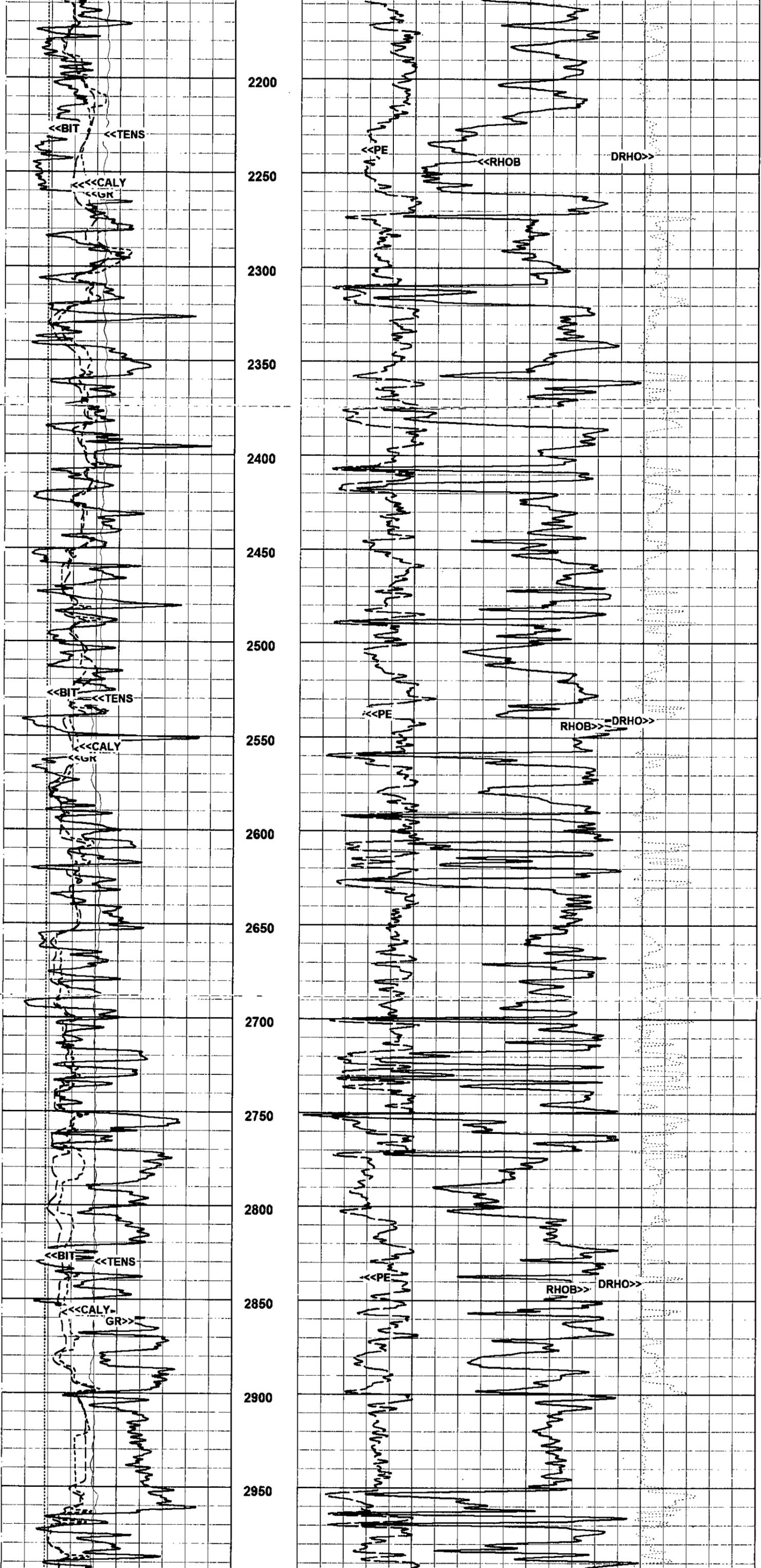


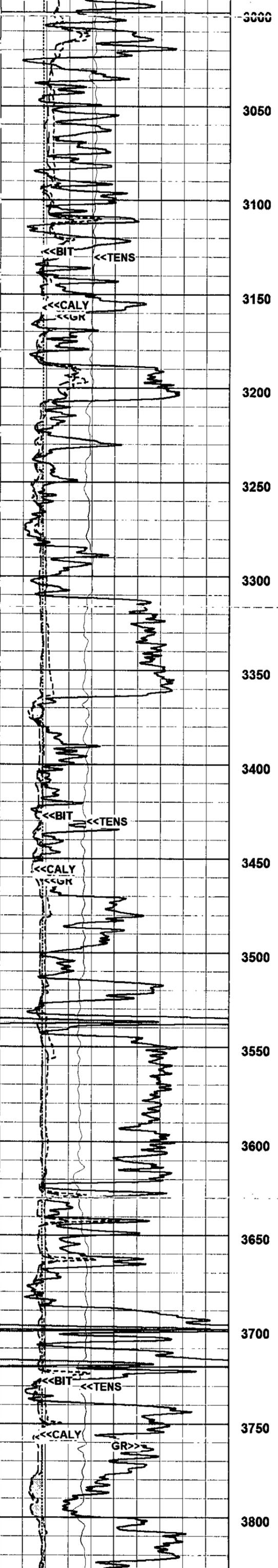




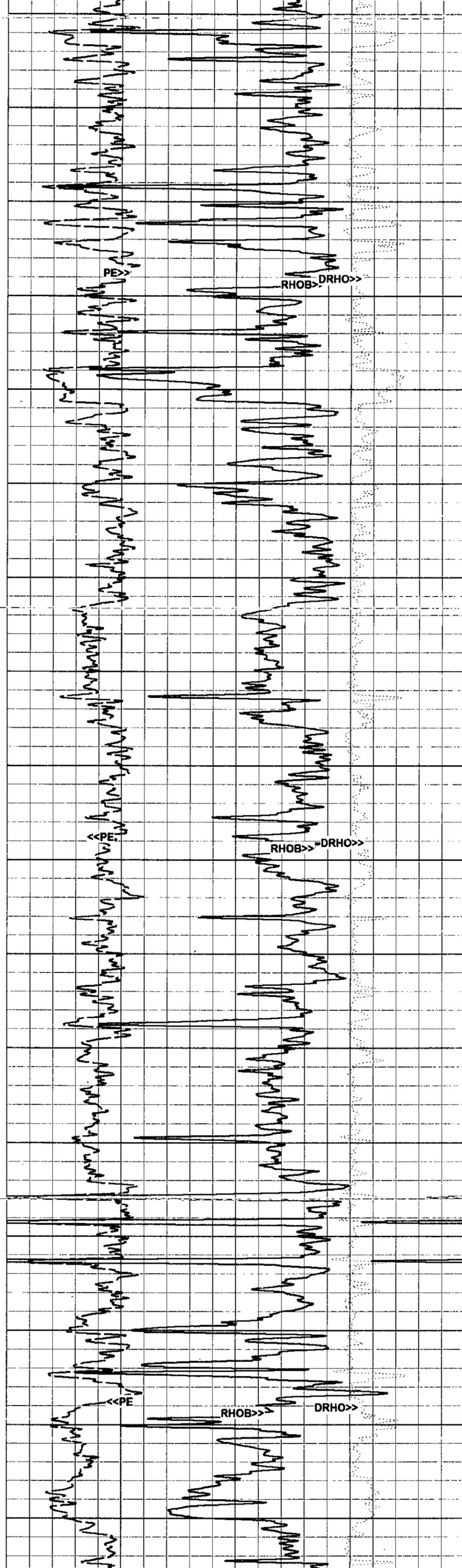
1350
1400
1450
1500
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1600
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1800
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1900
1950
2000
2050
2100
2150

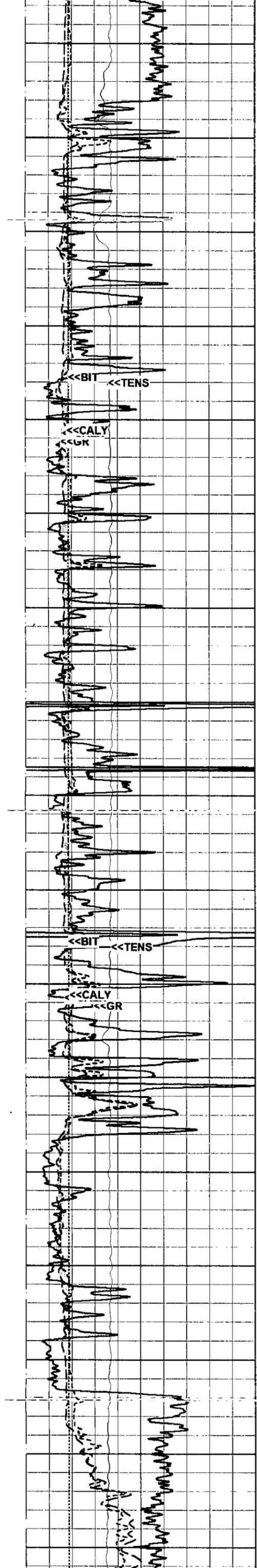




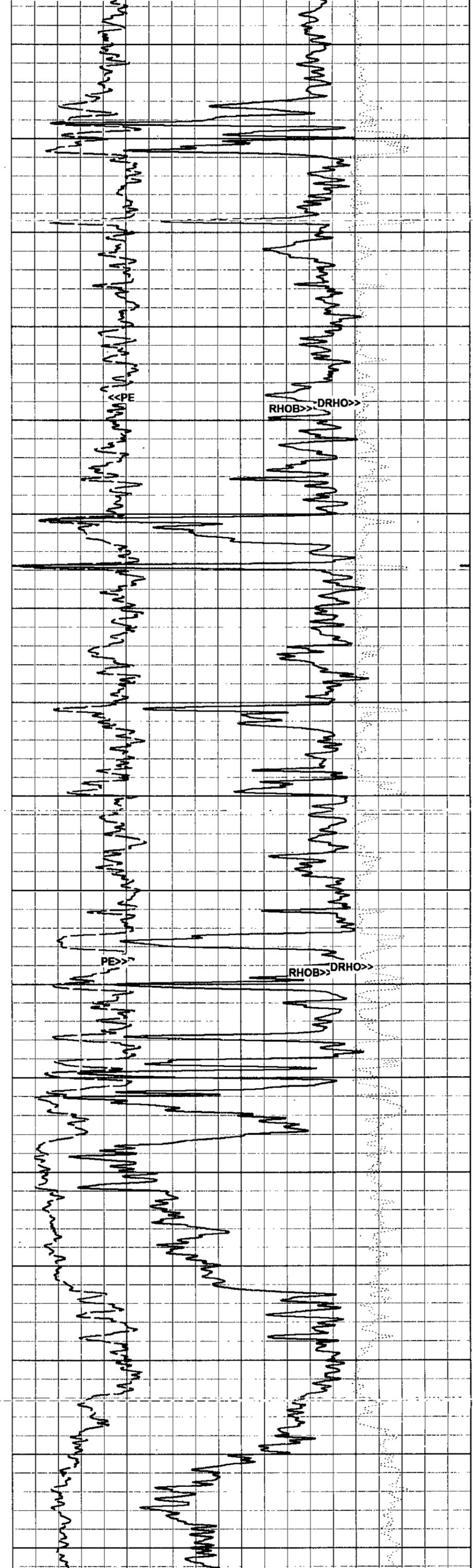


3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
3500
3550
3600
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3700
3750
3800





3850
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3950
4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
4550
4600
4650



<<BIT <<TENS

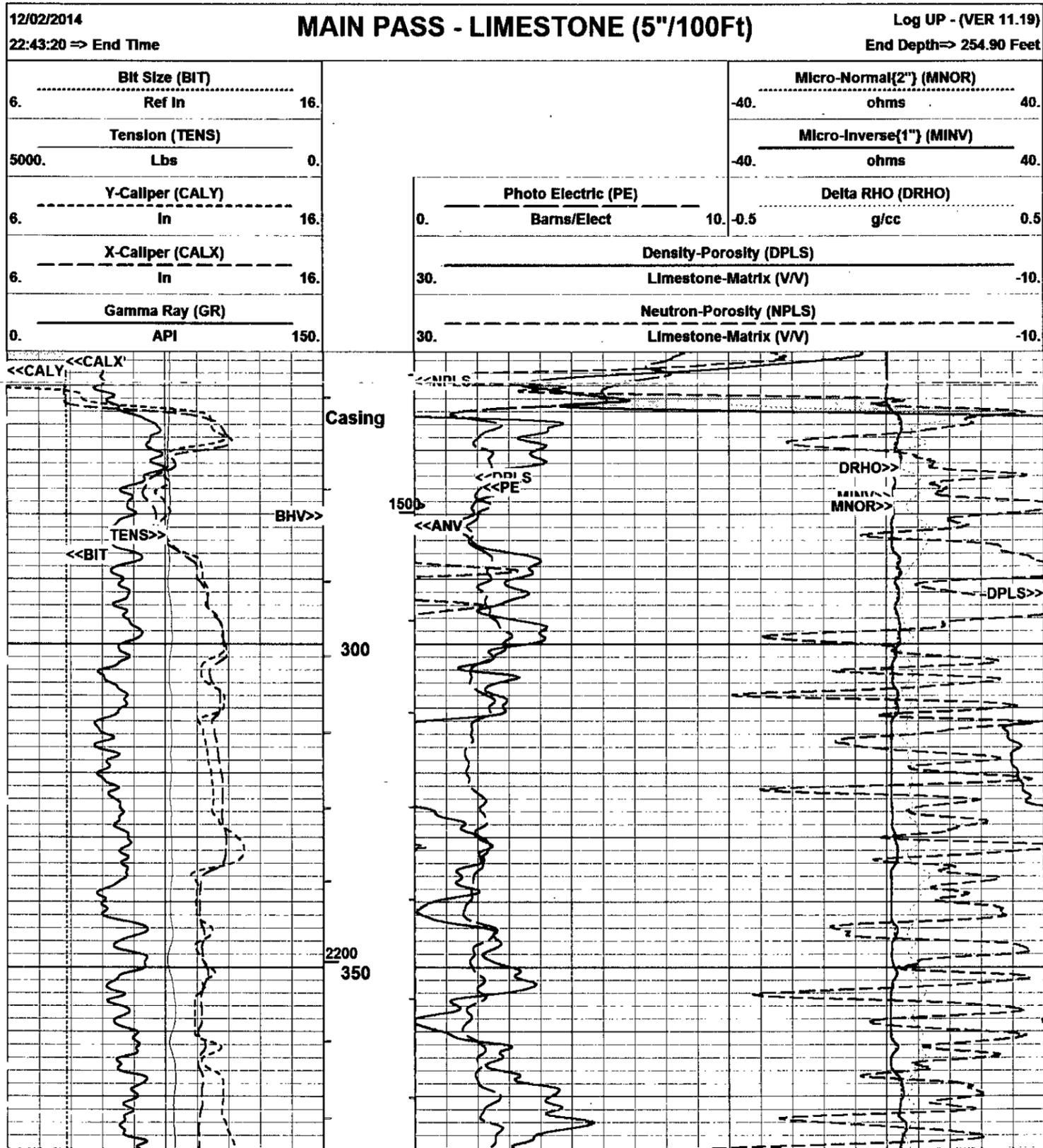
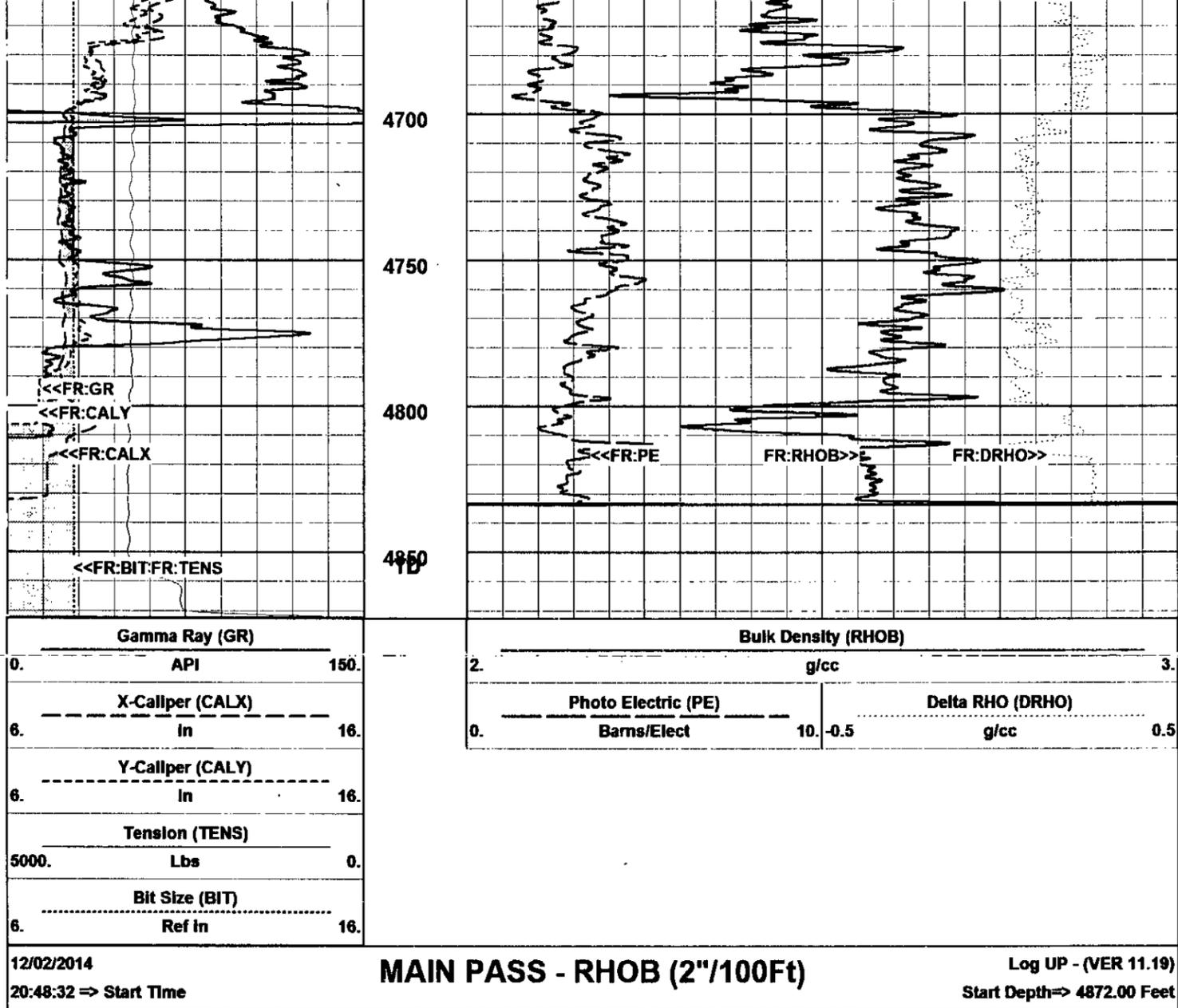
<<CALY
<<GR

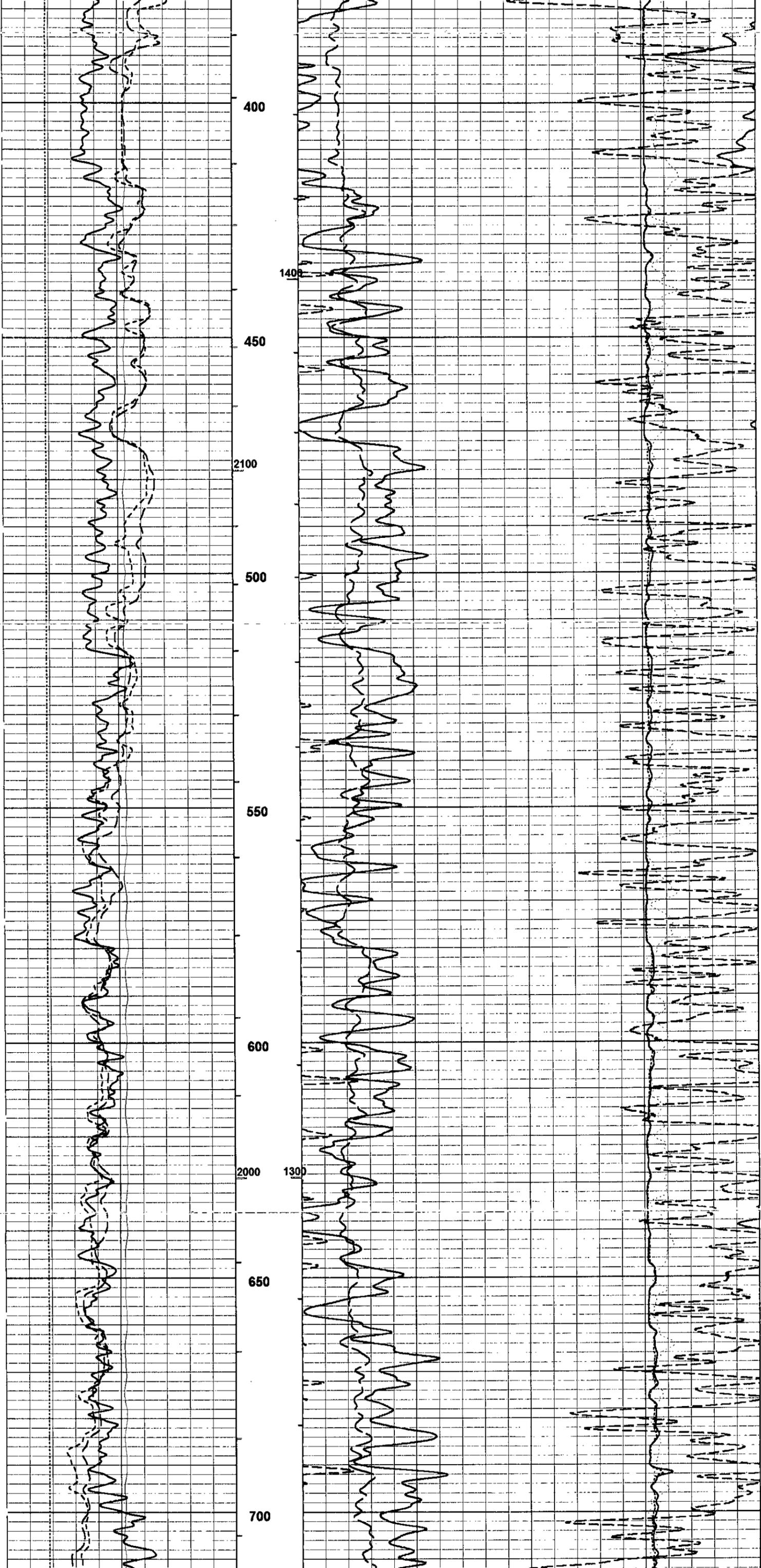
<BIT <<TENS

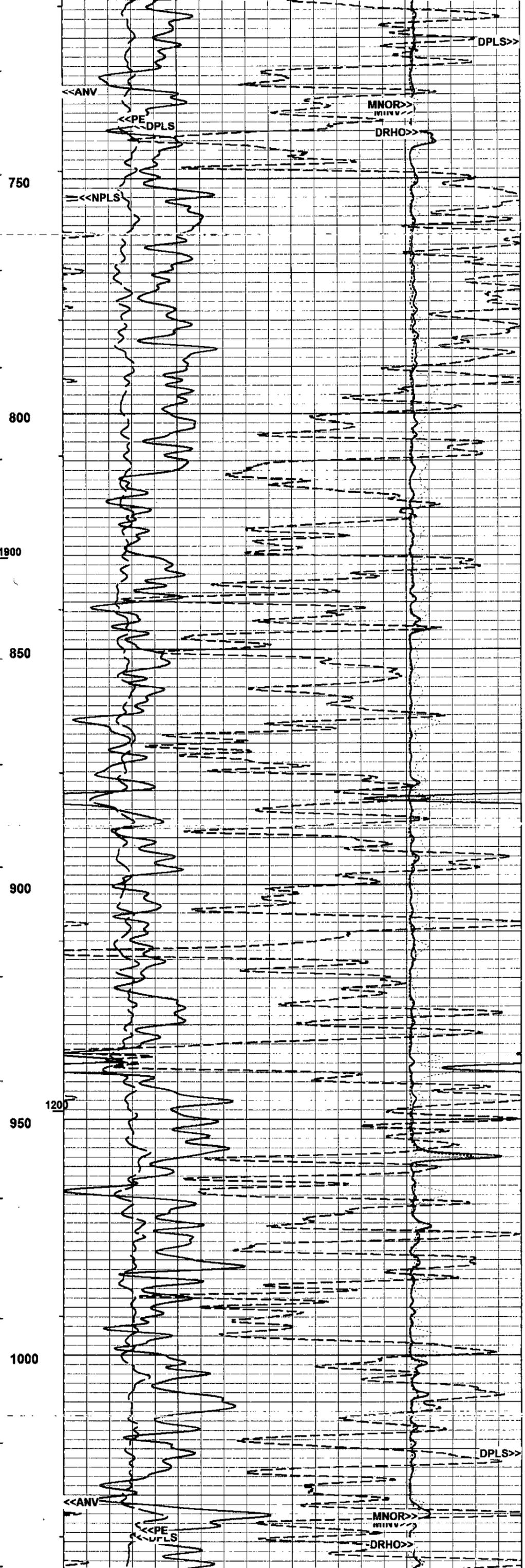
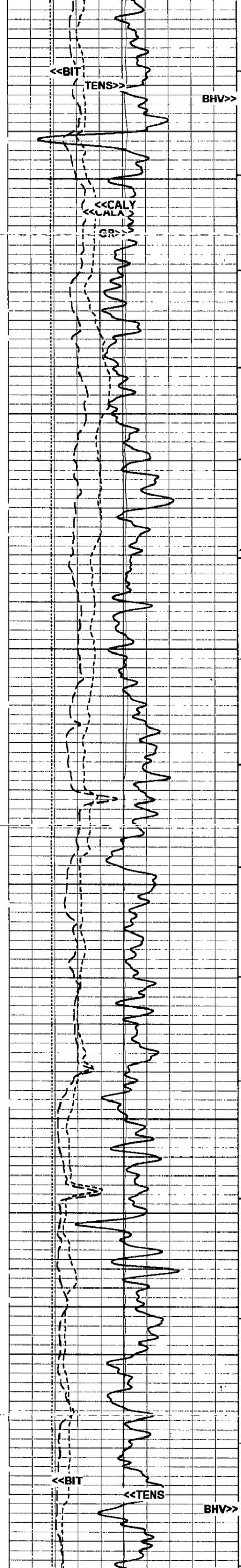
<<CALY
<<GR

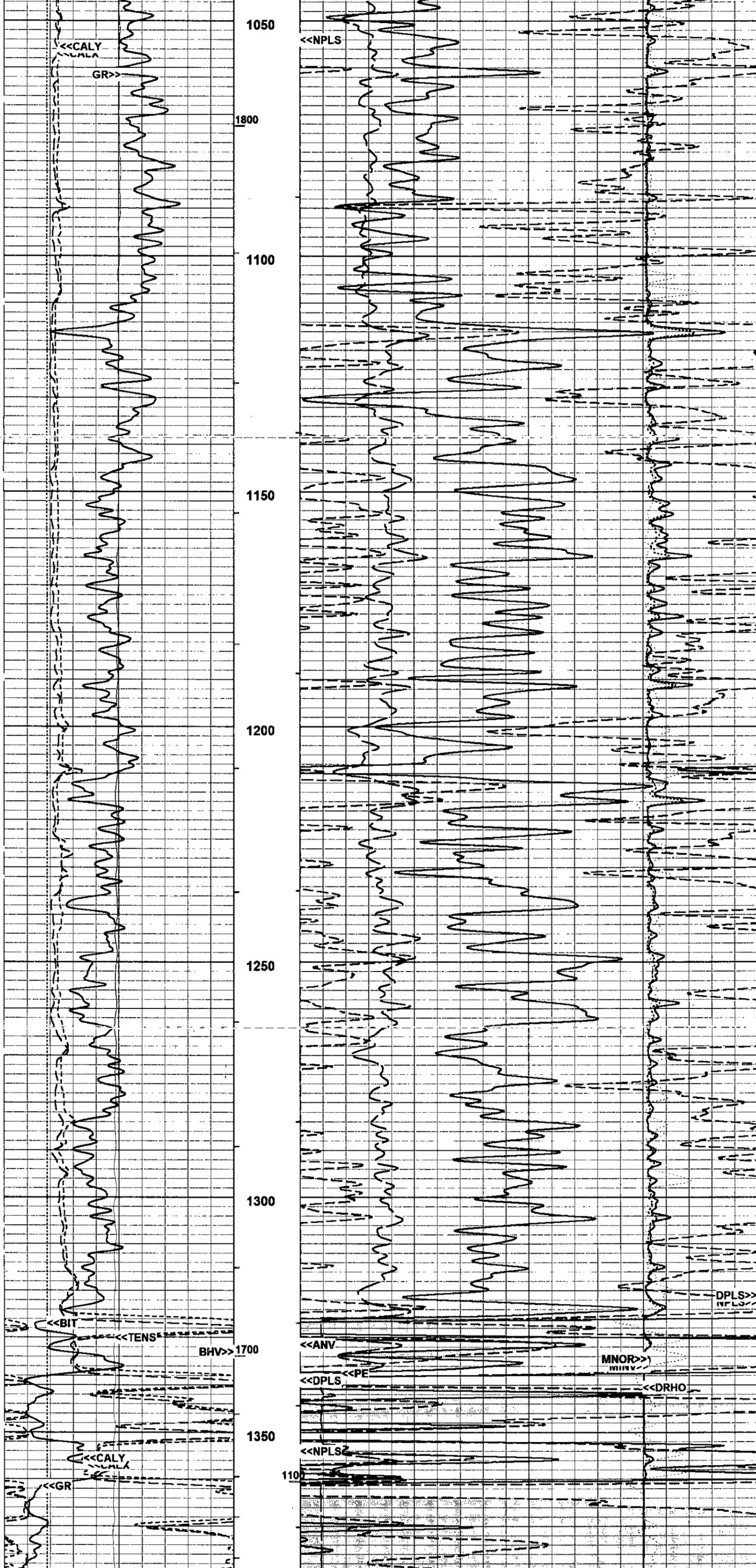
RHO B >> DRHO >>

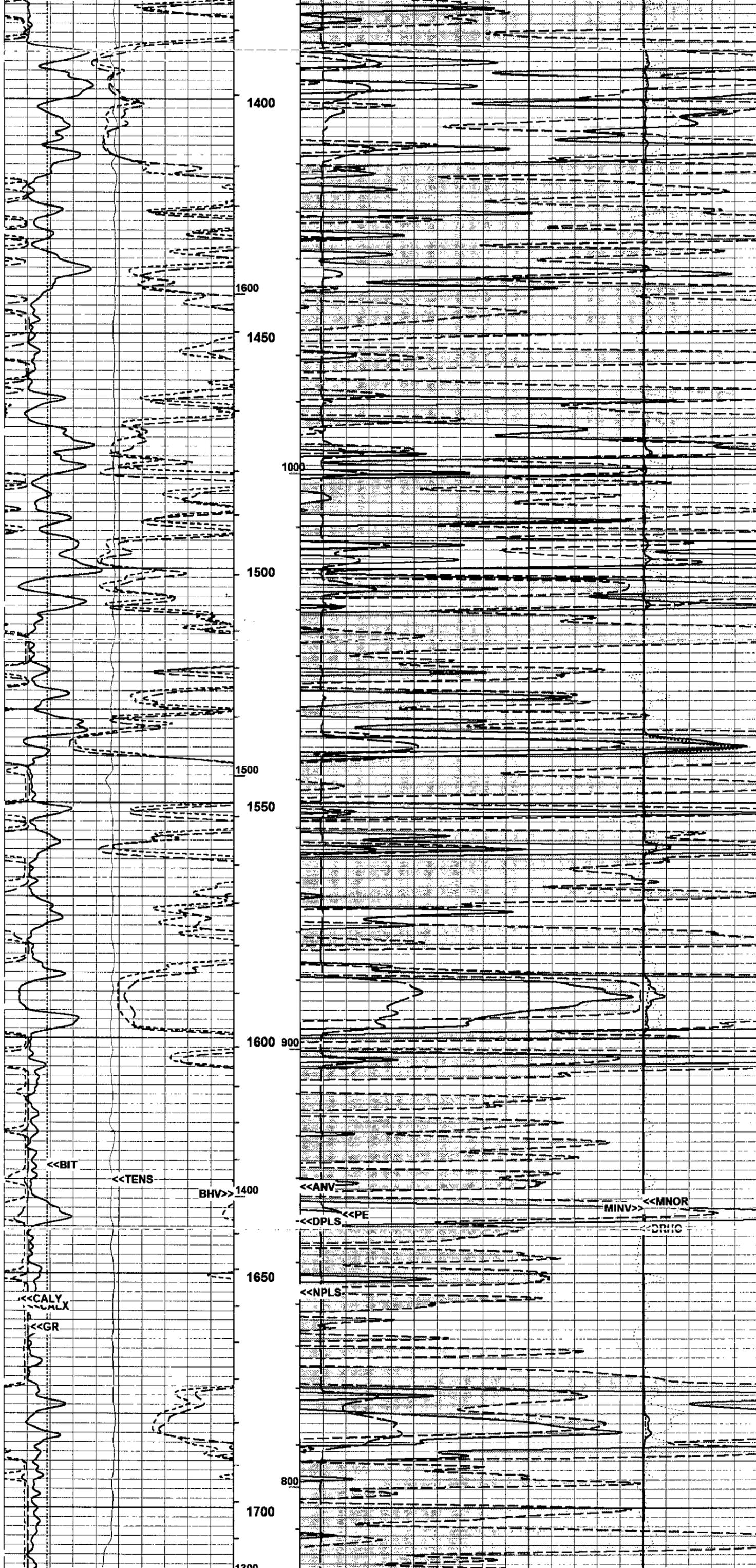
RHO B >> DRHO >>

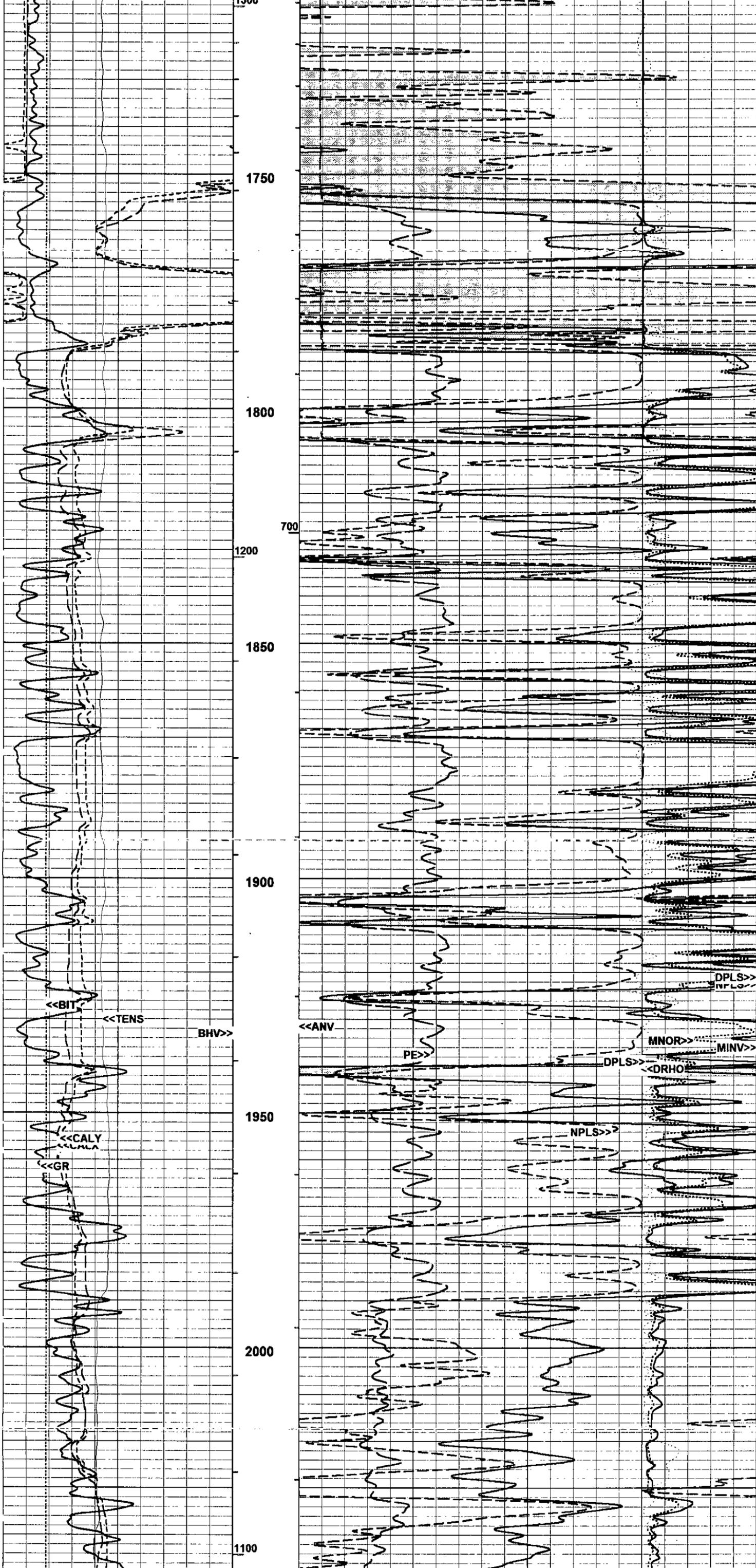


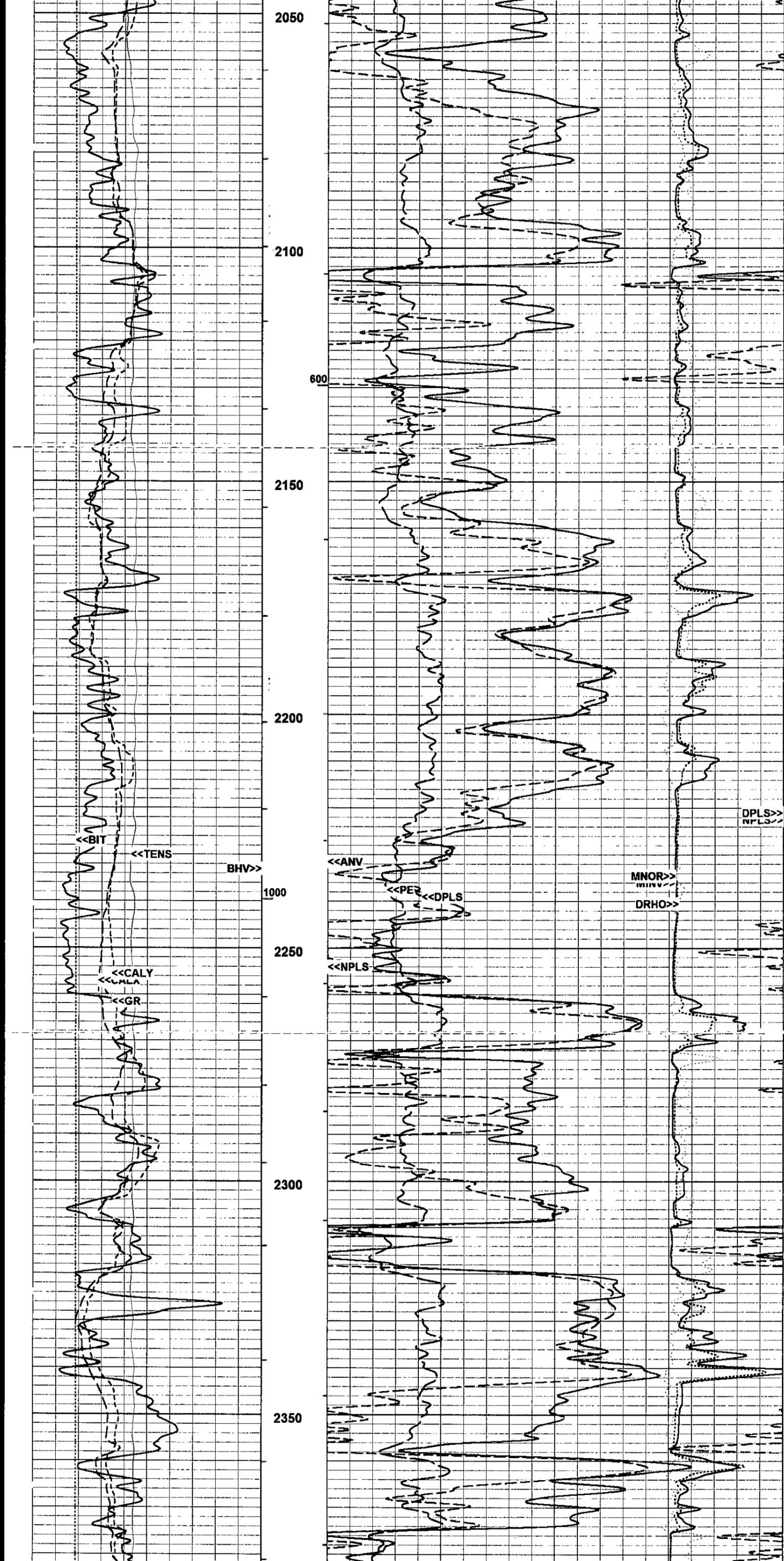


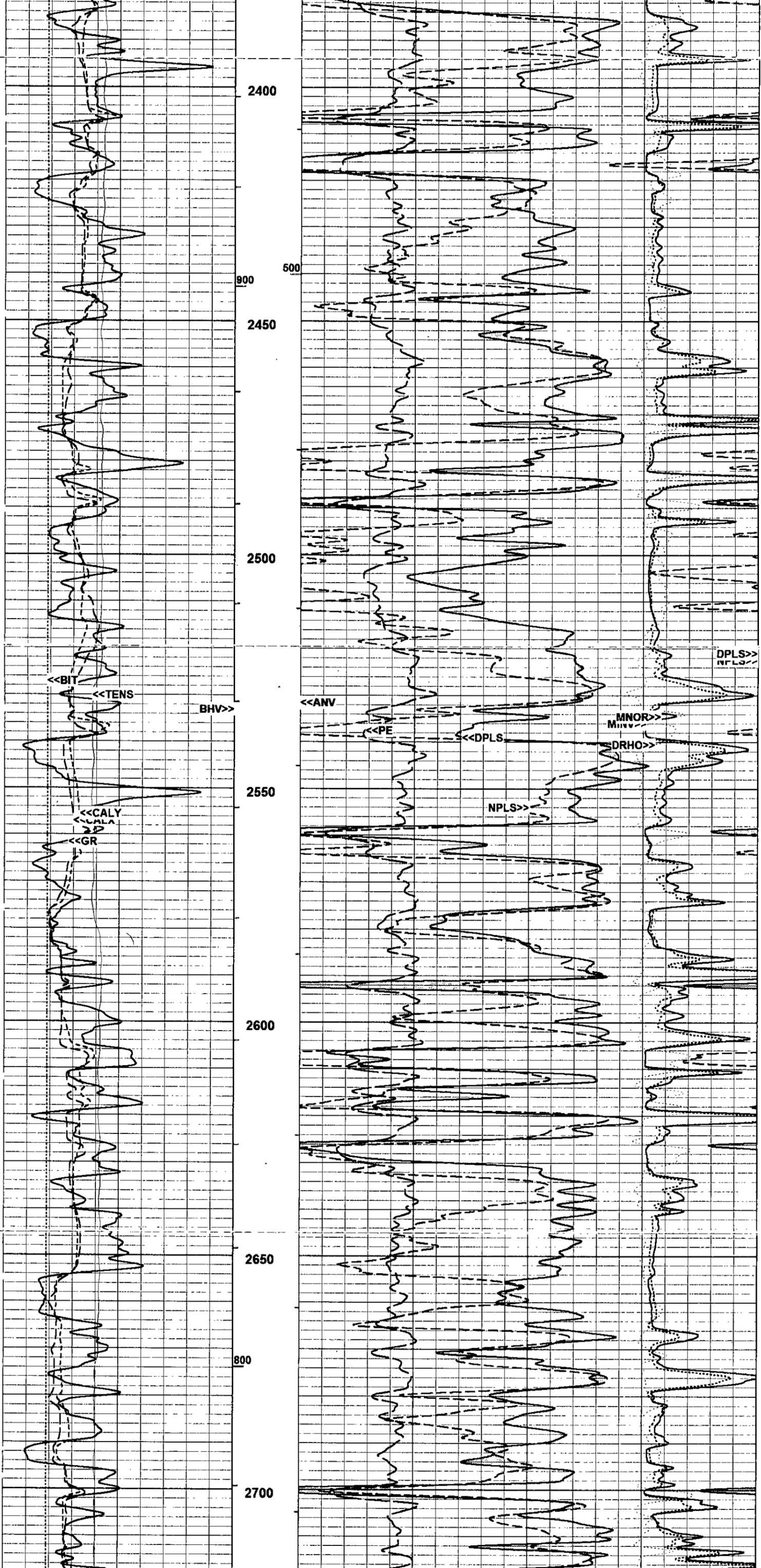


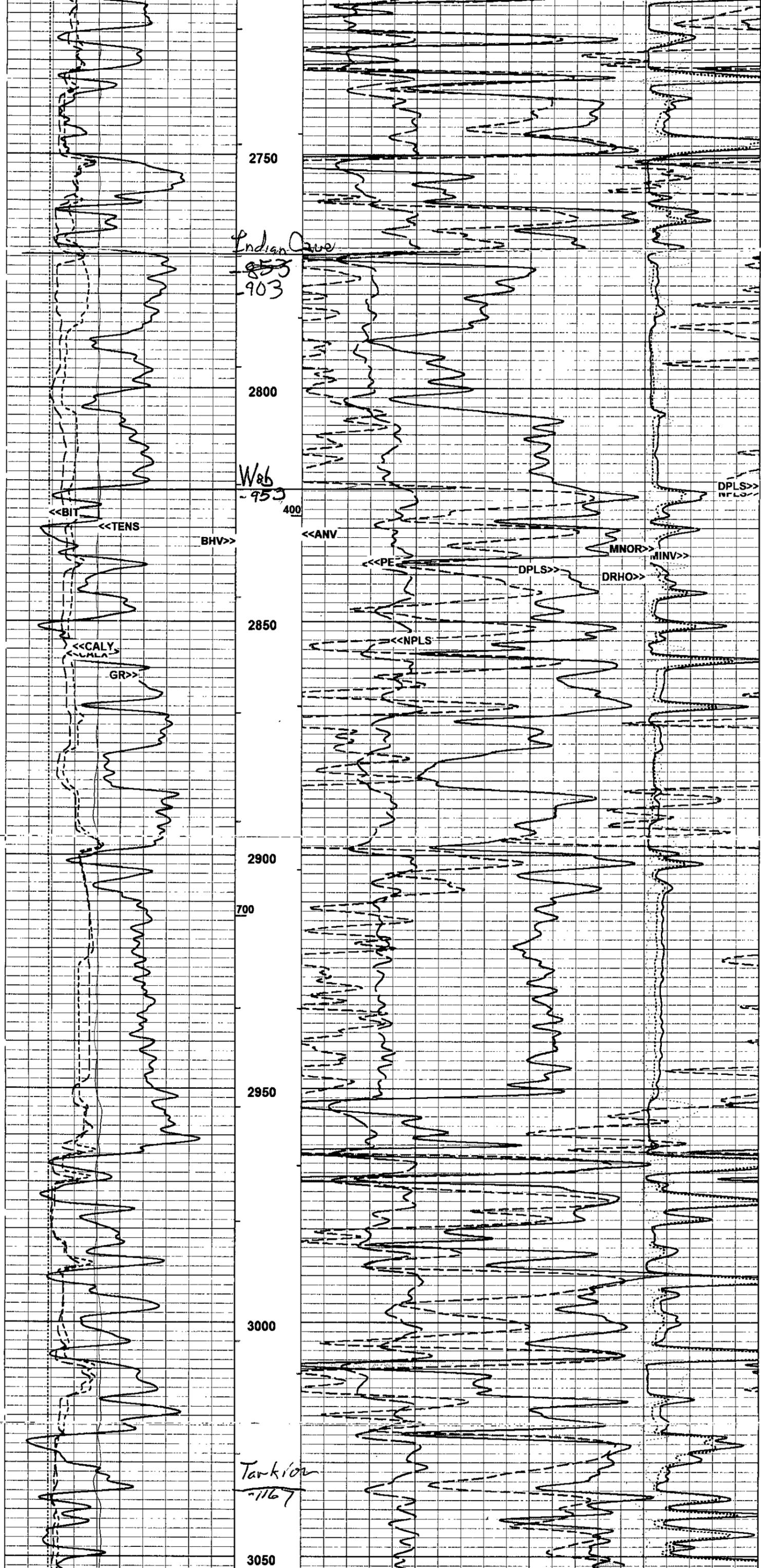


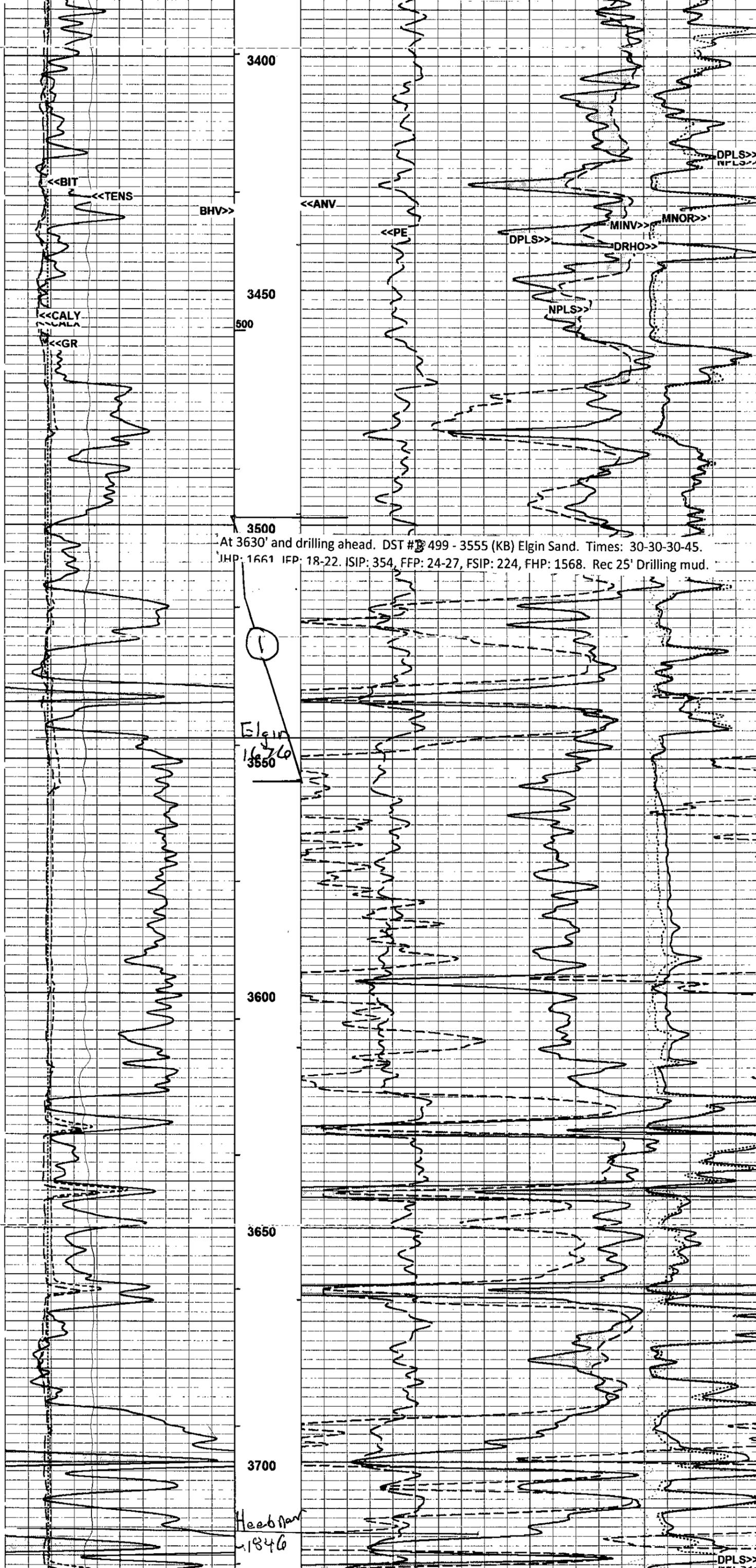




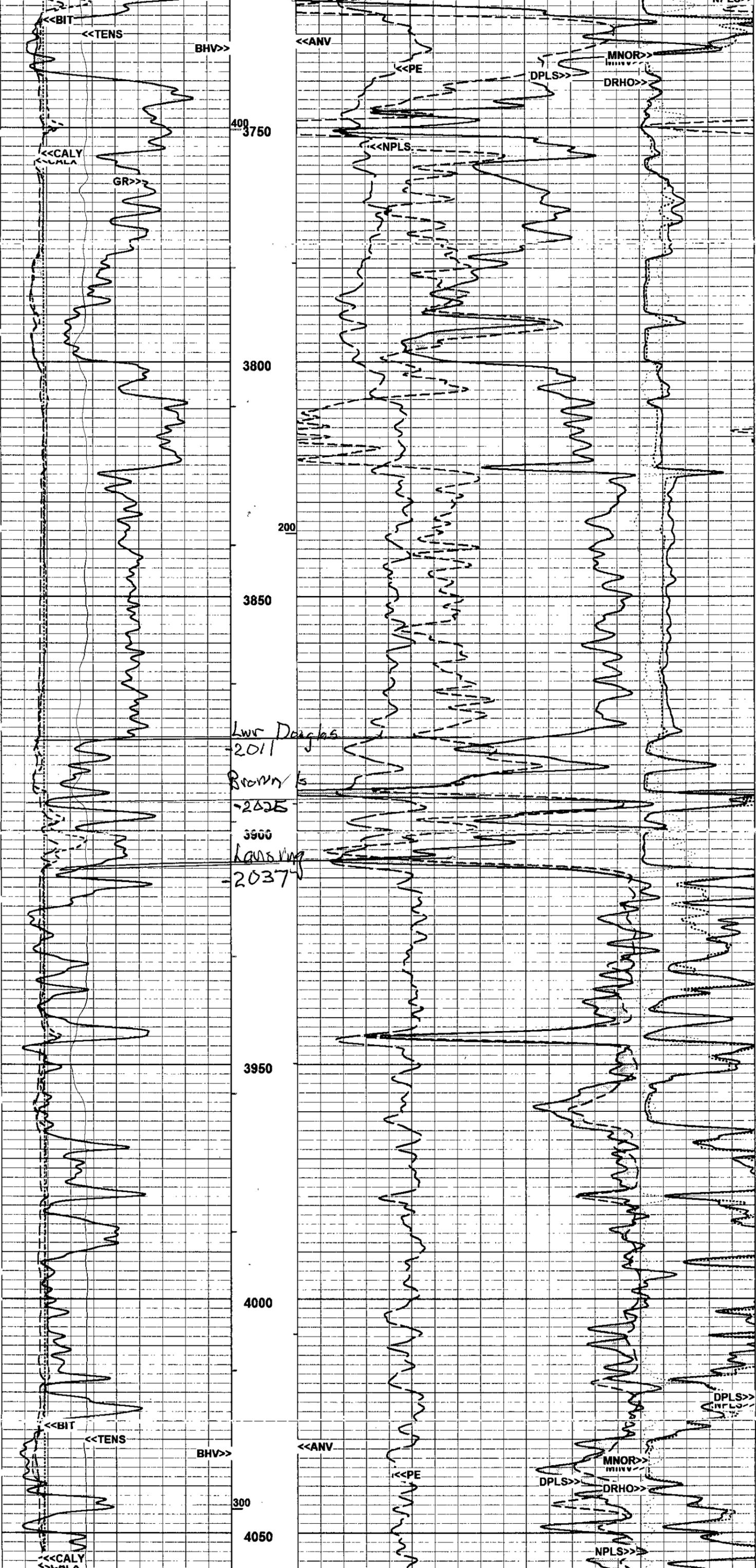


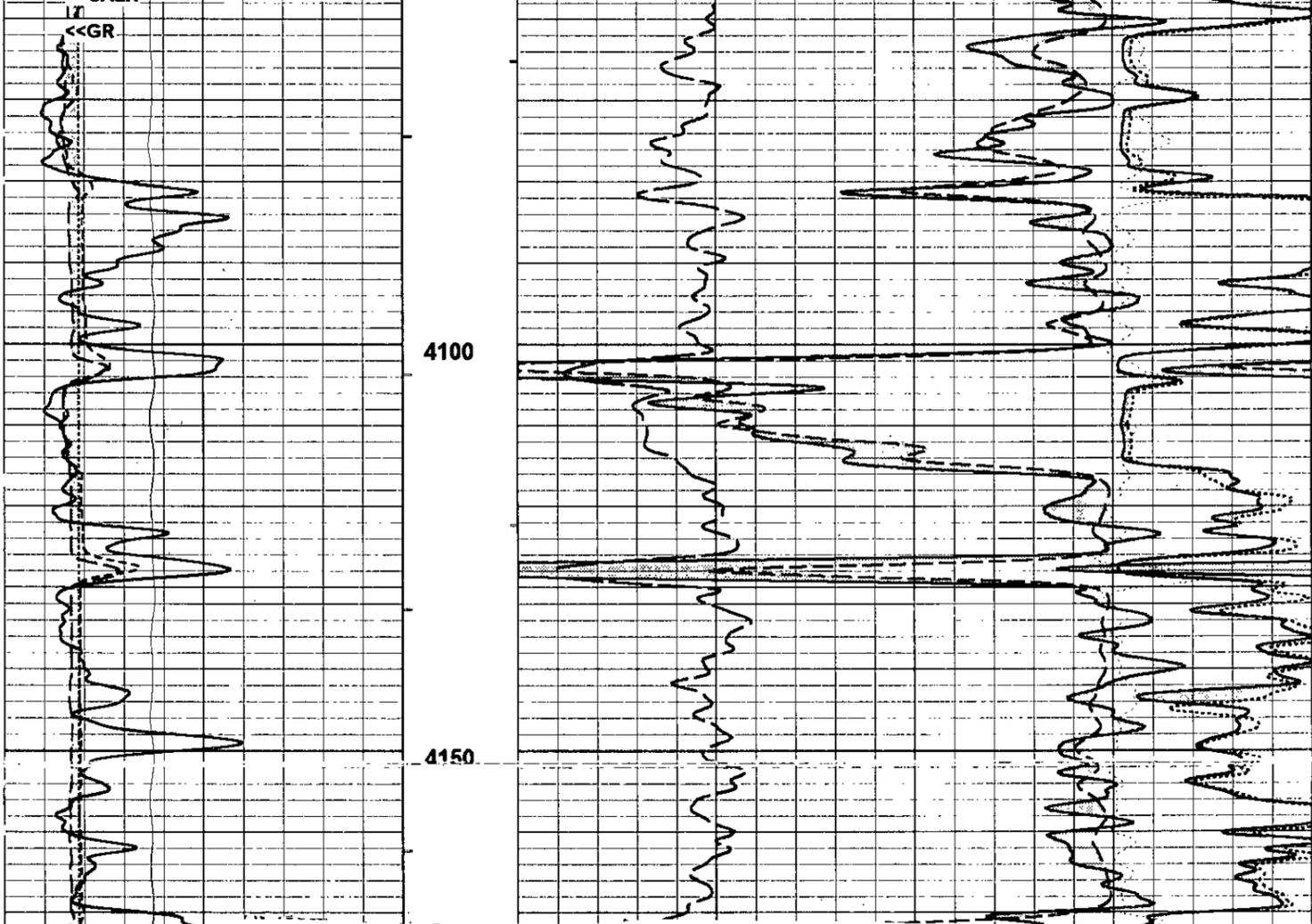




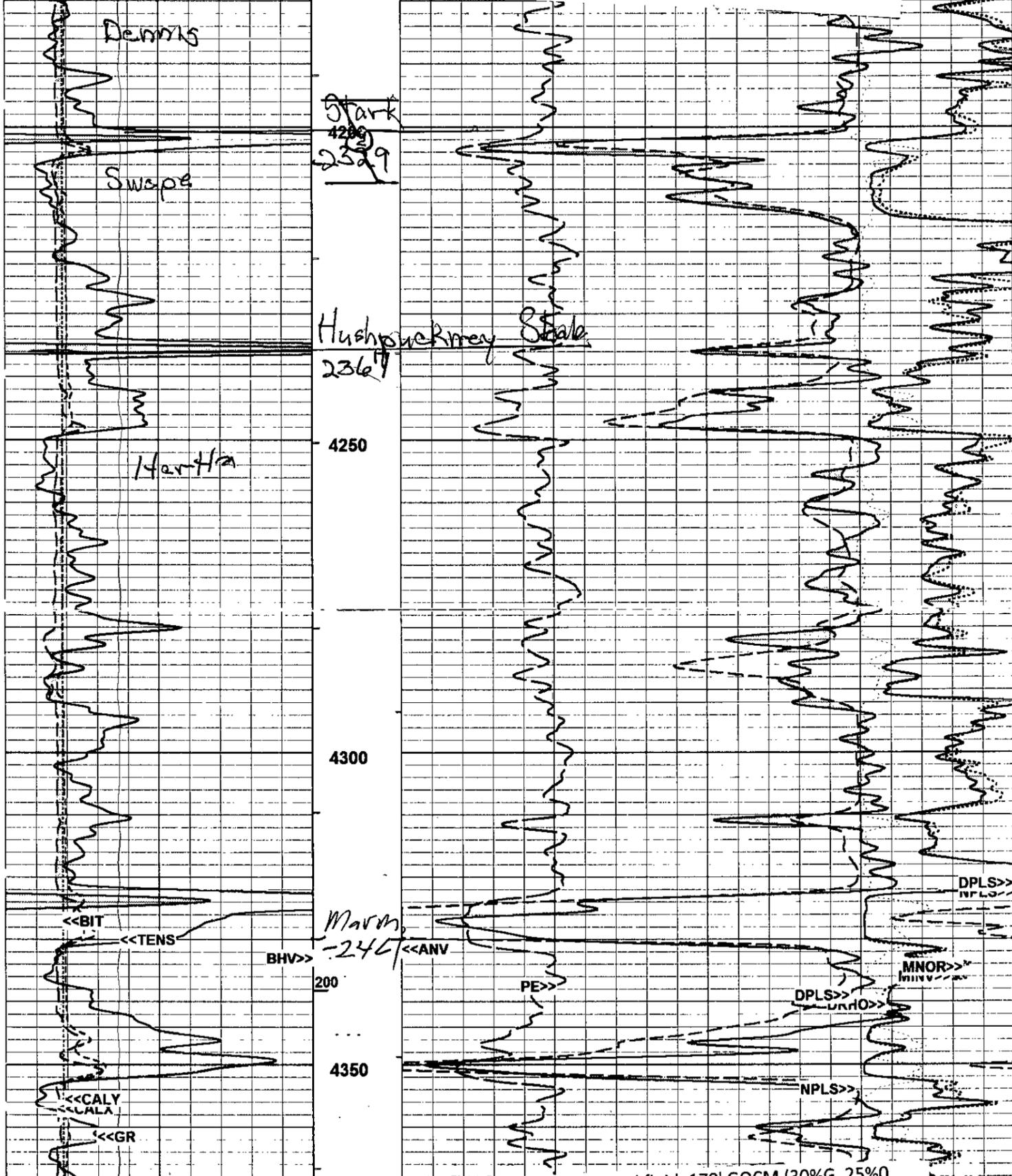


At 3630' and drilling ahead. DST # 499 - 3555 (KB) Elgin Sand. Times: 30-30-30-45.
JHP: 1661 IFP: 18-22. ISIP: 354, FFP: 24-27, FSIP: 224, FHP: 1568. Rec 25' Drilling mud.

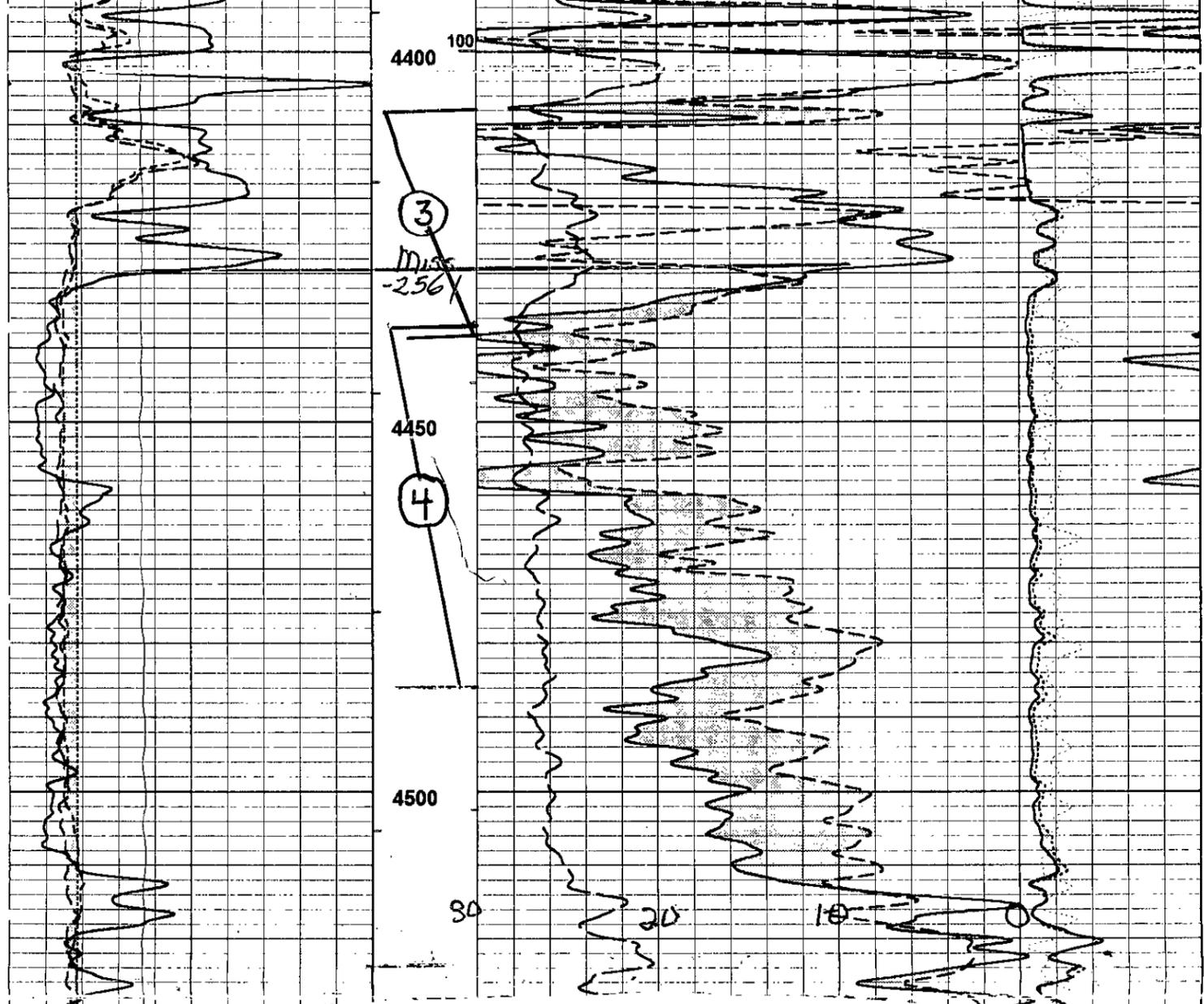




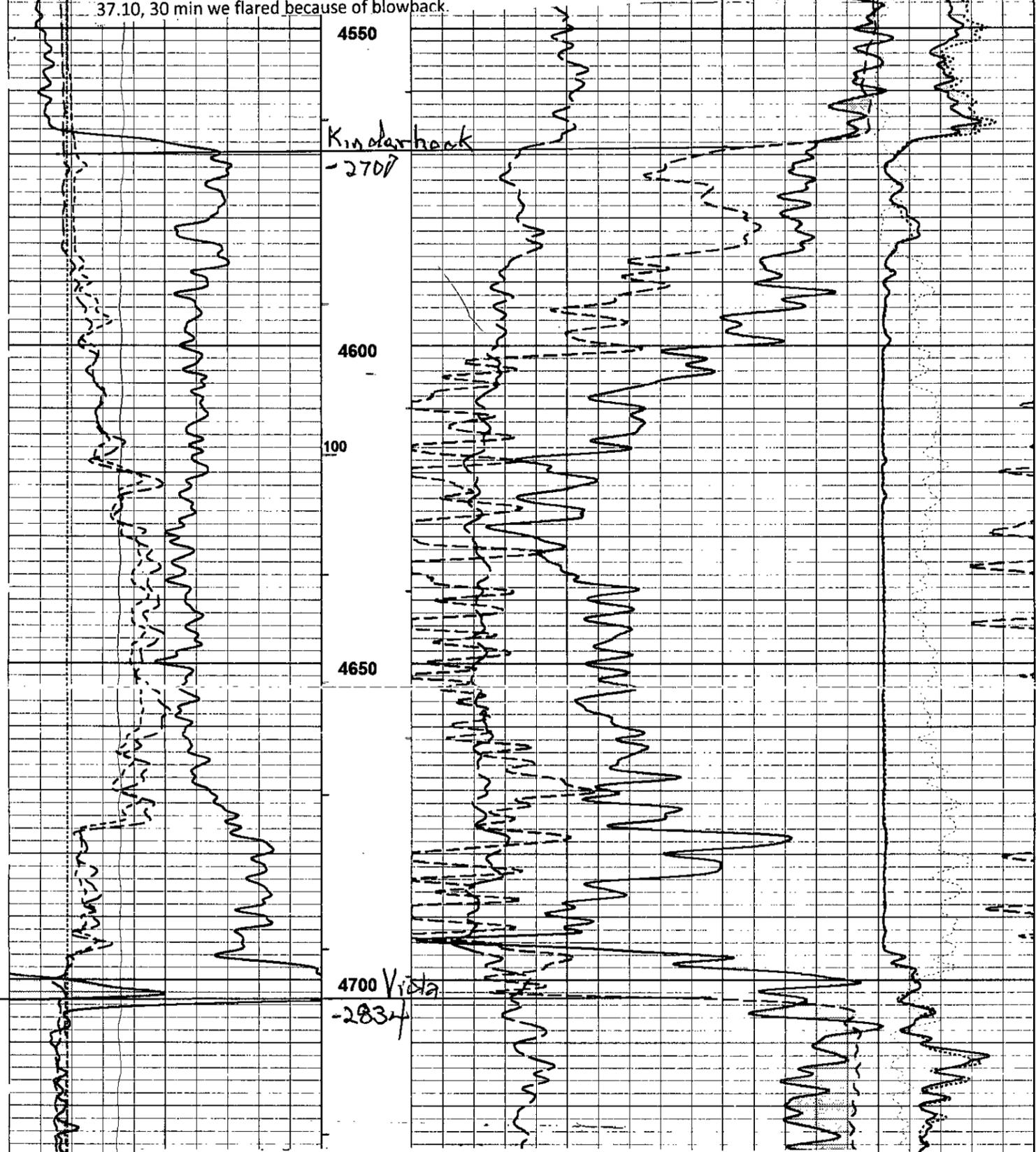
DST #2: 4196-4209' Swope Times: 30-60-45-75 IHP: 2082, IFP 31-146, ISIP: 1537, FFP 146-229, FFP: 140-229, FSIP:1954, Rec: 1' clean oil, 54' MW w/Oil spots, 440' SW



DST #3 Miss. 4408-38', Times 30-60-30-60, Rec. 415' Total fluid, 170' GOCM (30%G, 25%O 45% mud), 200' G&M cut Oil, (35%G, 29%M, 36%O), 45' clean Oil, IH 2267, 1st FP 80-116, ISIP 1471, FFP 111-158, FSIP 1468. Some plugging & slide tool 8' to bottom. Gas flow on the 1st open was 29 MCF acres after 10" into the open. Will cut 50' or until we are out of the drilling

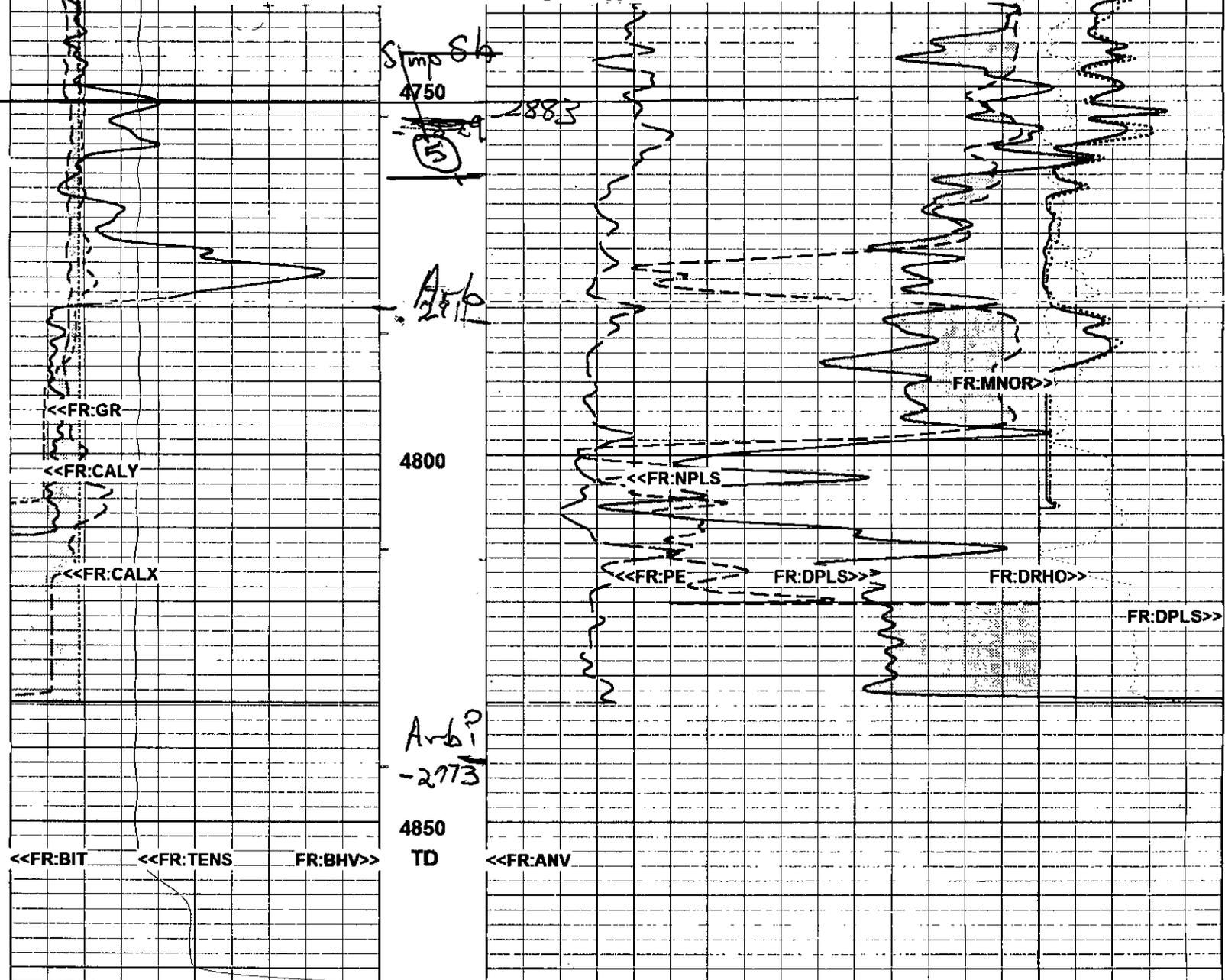


DST #4 Miss. 4437-86'. Times 30-60-30-60 Rec. 1208' Total Fluid 985' clean gassy oil, GO (39% G, 61%O). 223' GOM (55%G, 25%O, 20%M), 62' GOWM (14%G, 6%O, 20%W, 54%M)
 IHP 2234, IFP 87, FFP 195, ISIP 1470, FFP 194, FSIP 1456, FHP 2093, BHT: 133 degrees
 1st Flow GTS in 1st open, 20 min: 82.06, 30 min: 82.06. 2nd Flow: after 10 min: 30.78, 20 min 37.10, 30 min we flared because of blowback.



DST #5 Simpson 4746-4762' times 30-60-30-60 Recovered 62' Drilling Mud Total Fluid 30'

DST #5 Simpson 4746-4762. Times: 50-60-50-60. Recovered 62 Drilling Mud, Total Fluid 150
 bbls. IHP: 2420, IFP: 44-44, ISIP: 85, FFP: 49-47, FSIP: 65, FHP: 2236.
 At 4850' RTD Arbuckle Formation - waiting on loggers.



Gamma Ray (GR)		Neutron-Porosity (NPLS)	
0.	API	30.	Limestone-Matrix (V/V)
	150.		-10.
X-Caliper (CALX)		Density-Porosity (DPLS)	
6.	In	30.	Limestone-Matrix (V/V)
	16.		-10.
Y-Caliper (CALY)		Photo Electric (PE)	
6.	In	0.	Barns/Elect
	16.	10.	-0.5
Tension (TENS)		Delta RHO (DRHO)	
5000.	Lbs	0.	g/cc
	0.		0.5
Bit Size (BIT)		Micro-Inverse{1"} (MINV)	
6.	Ref In	40.	ohms
	16.	40.	40.
		Micro-Normal{2"} (MNOR)	
		40.	ohms
		40.	

12/02/2014
 20:48:32 => Start Time

MAIN PASS - LIMESTONE (5"/100ft)

Log UP - (VER 11.19)
 Start Depth=> 4872.20 Feet