

Company VAUGHN GOOD OIL COMPANY
Well NUSSER #3-16
Field S.E. HARDTNER
County BARBER
State KANSAS



MICROLOG
GAMMA RAY
X-Y CALIPER

SEC	TWP	RGE	OTHER SERVICES:	
16	35N	12W	DIL	LDT
Location. 990' FSL & 2100' FWL			CNL	
SURF. SAME		SW		
		APR#: 015-007-24016		
Permanent Datum Ground Level Elev 1389			ELEVATIONS K.B. 1402	
Log Measured From Kelly Bushing			G.L. 1389	
Drilling Measured From Kelly Bushing			D.F. 1400	

Date	07-MAY-2013				
Run No.	ONE				
TD Driller	5600	ft		ft	
TD RECON	5592	ft		ft	
Bot Logged Interval	5591	ft		ft	
Top Logged Interval	351	ft		ft	
Casing Depth Driller	8 5/8	in.	@ 357	in.	@
Casing Depth RECON	8 5/8	in.	@ 351	in.	@
Bit Size	7 7/8	in.		in.	
Drilling Fluid Type	CHEMICAL				
Density	9.4	ppg	65 sec/qt		
Fluid Loss	PH	10.6 ml/30min	10.5 strip		
Source Of Sample	Flowline				
RM @ Measured Temp	1.49	Ohmm	@ 75	Ohmm	@
RMF @ Measured Temp	1.12	Ohmm	@ 75	Ohmm	@
RMC @ Measured Temp	1.86	Ohmm	@ 75	Ohmm	@
RM @ MRT	0.86	Ohmm	@ 135	Ohmm	@
Max Recorded Temp	135	DegF		DegF	
Time Drilling Stopped	06-MAY-2013	22:30			
Time Circulation Stopped	07-MAY-2013	03:00			
Time Logger On Bottom	07-MAY-2013	08:08			
Unit Num	Location	S407	OKLAHOMA CITY, OK.		
Recorded By	H. GARCIA				
Witnessed By	MR. V. GOOD				

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 willfull damage. Interpretations are also subject to the terms and conditions of our Price Schedule and General Service Agreement.

RIG INFORMATION

Drill Contr/Rig# MENDENHALL DRLG. #3

GENERAL REMARKS SECTION

FIRST RUN IN THE HOLE

CNL AND LDT LOGGED IN A LIMESTONE MATRIX

TOP MARK - 342, BOTTOM MARK - 5545.9

CNL/LDT LOGGED MATRIX: 2.71 g/cc.

CHLORIDES: 7000 ppm

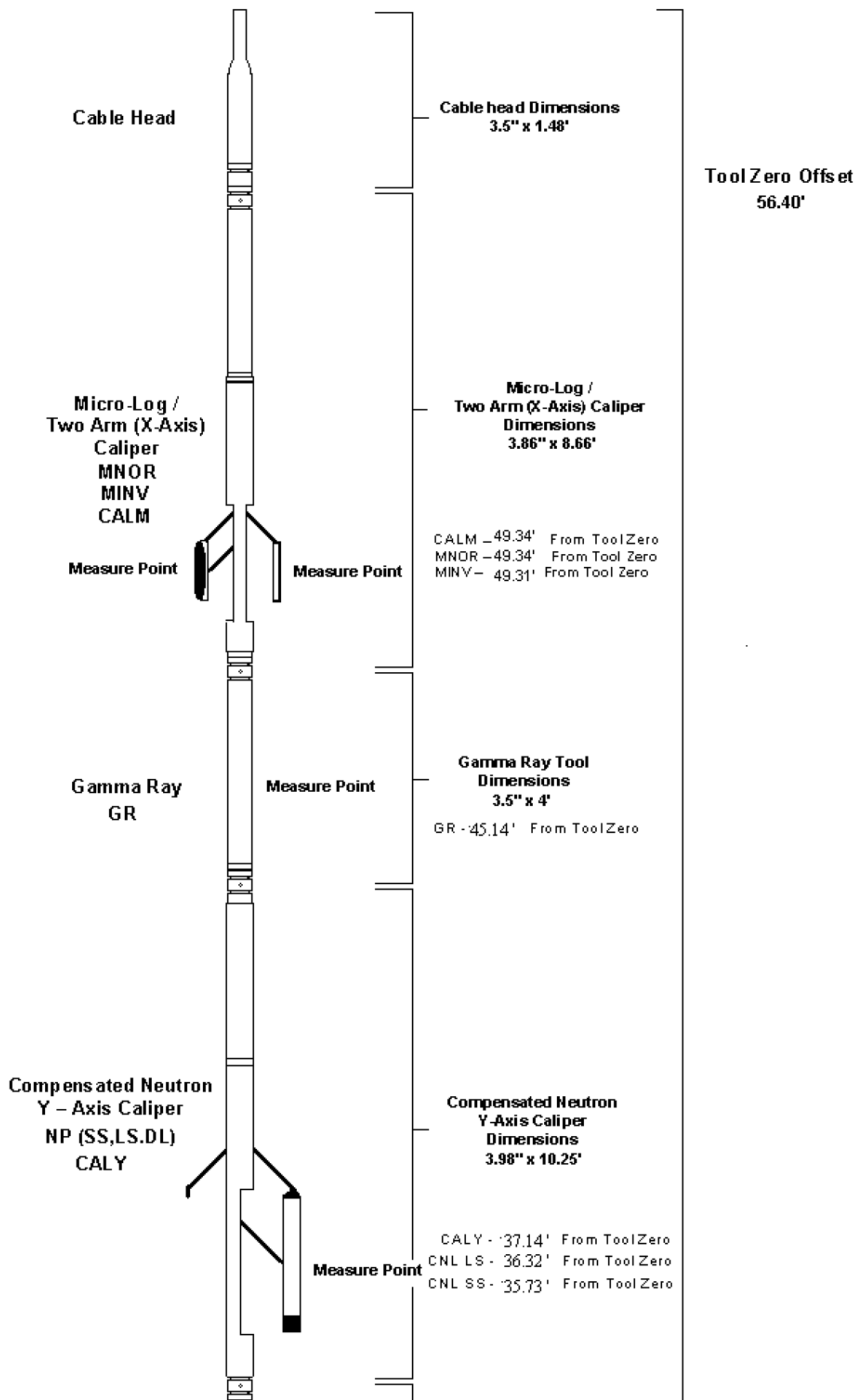
LCM: 8 lb/bbl

THANK YOU FOR USING RECON PETROTECHNOLOGIES LTD.

AHV CALCULATED ON 5.5" PROD. CASING

CREW: J. ROSE, C. PENNARTZ

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



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'

**S.P. / CILD
Measure Point**

SP - 10.96' From ToolZero
ILD - 10.96' From ToolZero

**CILM Measure
Point**

ILM - 7.22' From ToolZero

**Tool First Reading
Point**

**Laterolog 3
Measure Point**

LL3 - 1.67' From ToolZero

**Tool Zero Point
(Tool Bottom)**

**All Measurements are
taken from Tool Zero**

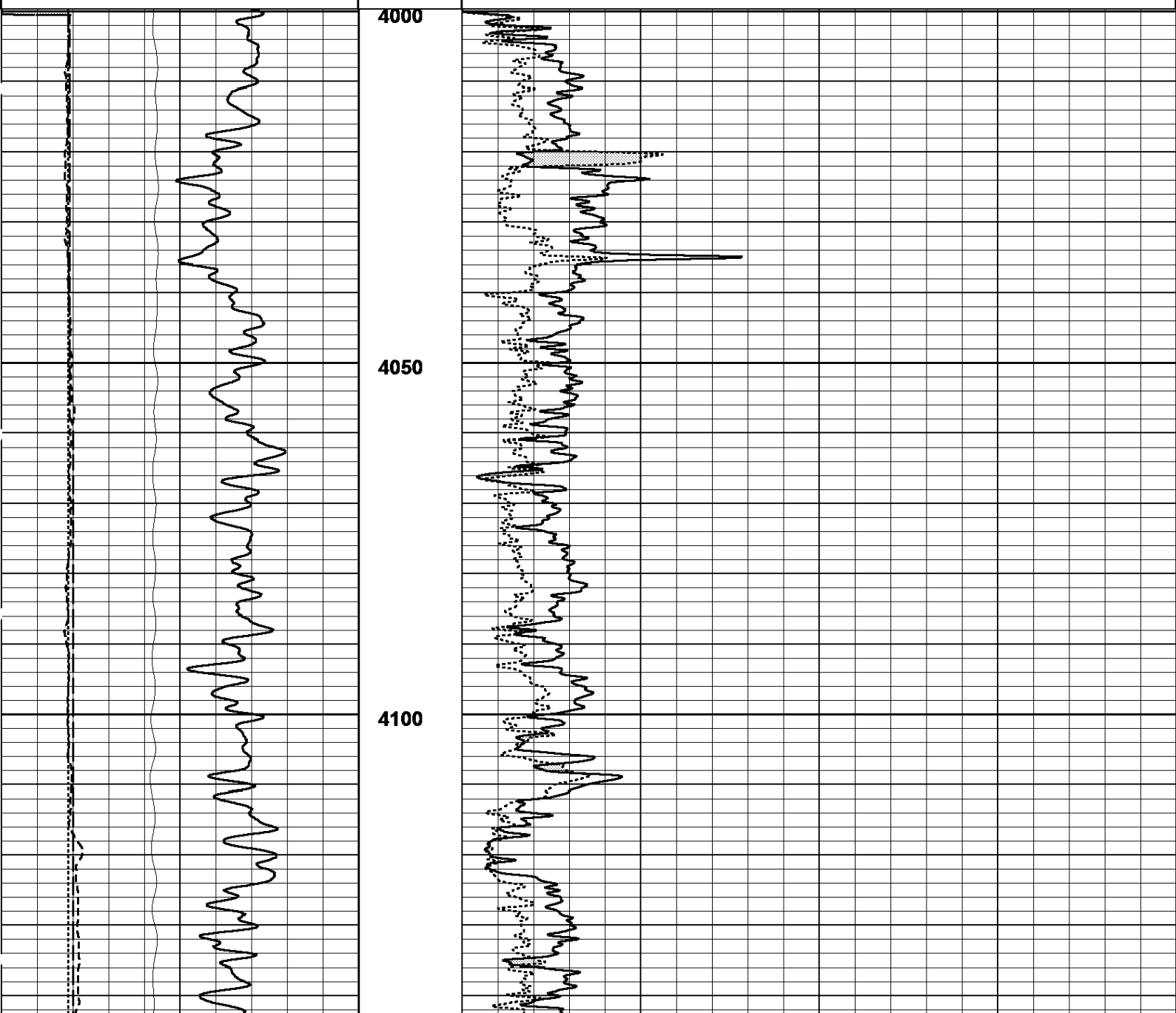
05/07/2013
10:00:58 => End Time

MAIN PASS (5"/100Ft)

Log UP - (VER 11.14a)
End Depth=> 3999.90 Feet

Microlog-Caliper (CALM)		
6.	in	16.
Bit Size (BIT)		
6.	Ref in	16.
Tension (TENS)		
5000.	Lbs	0.
Y-Caliper (CALY)		
6.	in	16.
Gamma Ray (GR)		
0.	API	150.

Micro-Normal{2"} (MNOR)		
0.	ohms	40.
Micro-Inverse{1"} (MINV)		
0.	ohms	40.



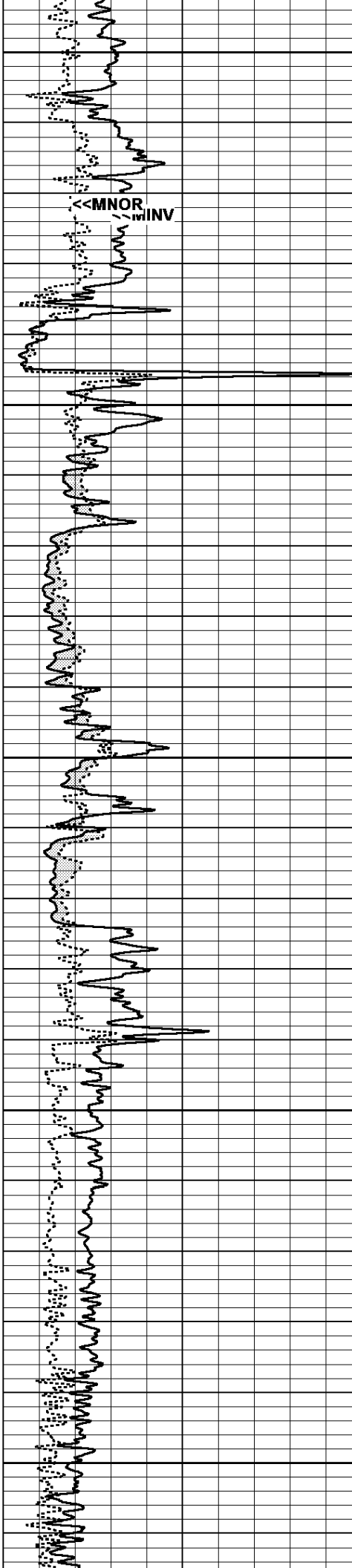
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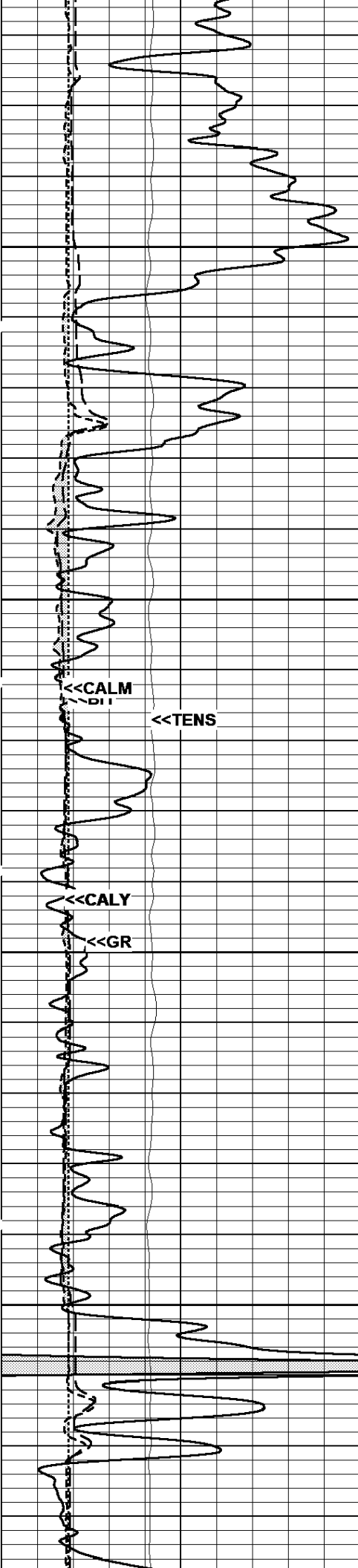
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4250

4300

4350



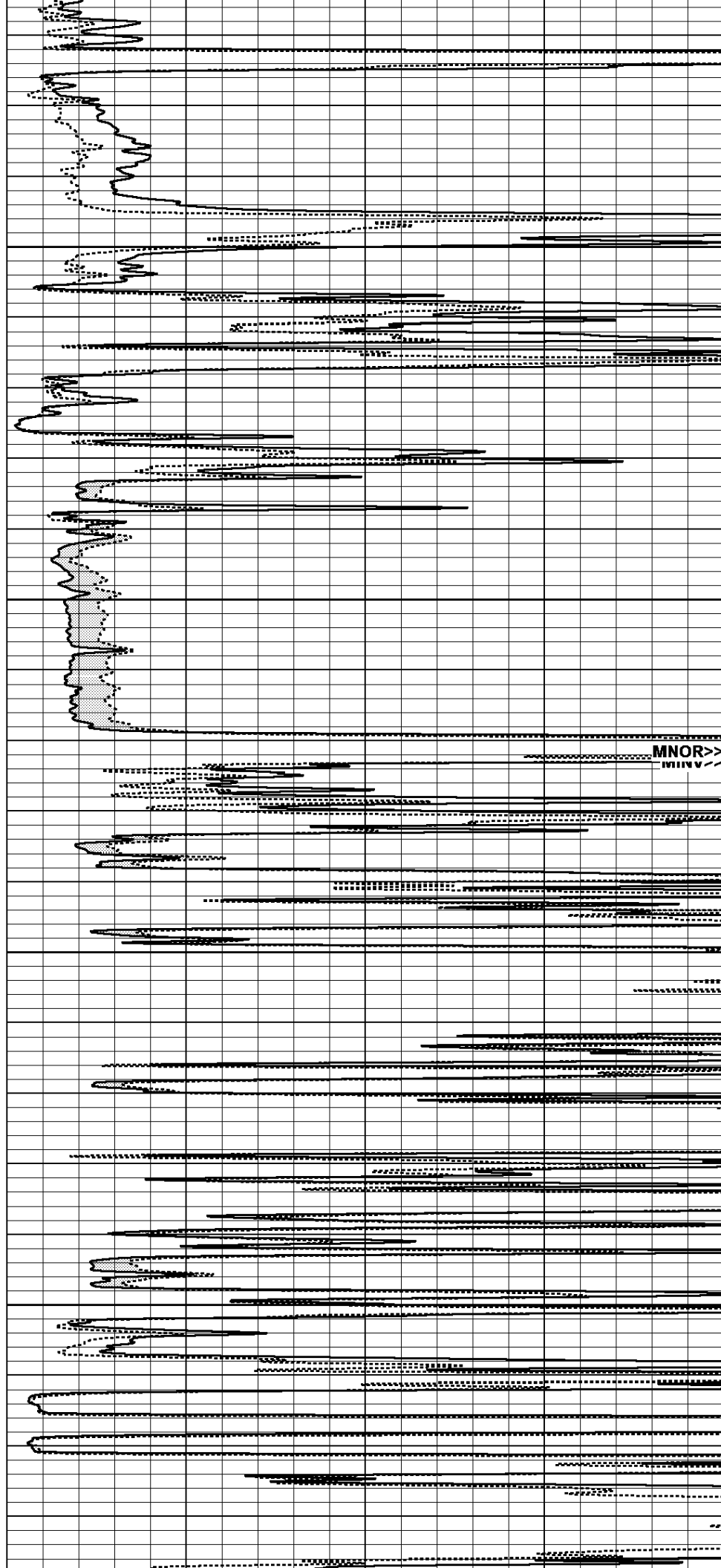


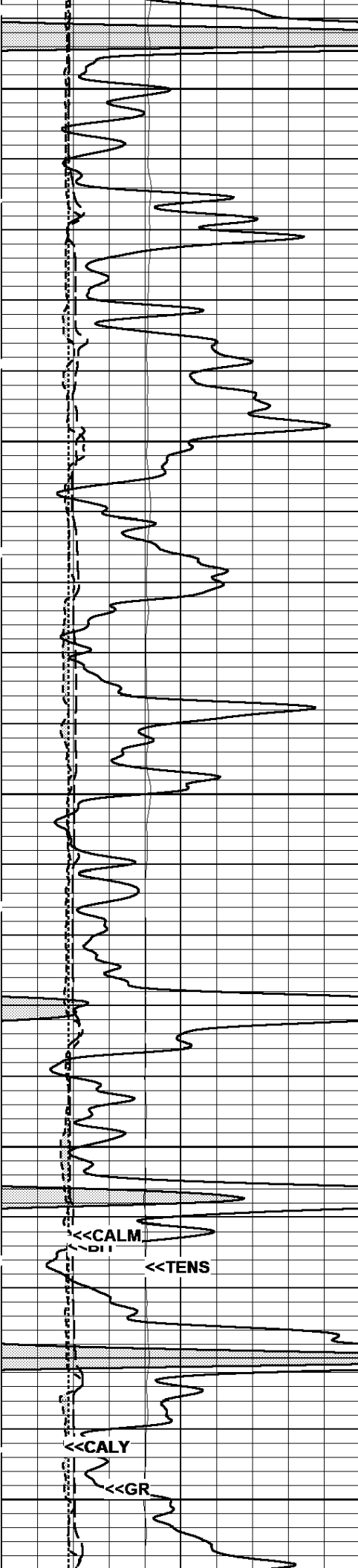
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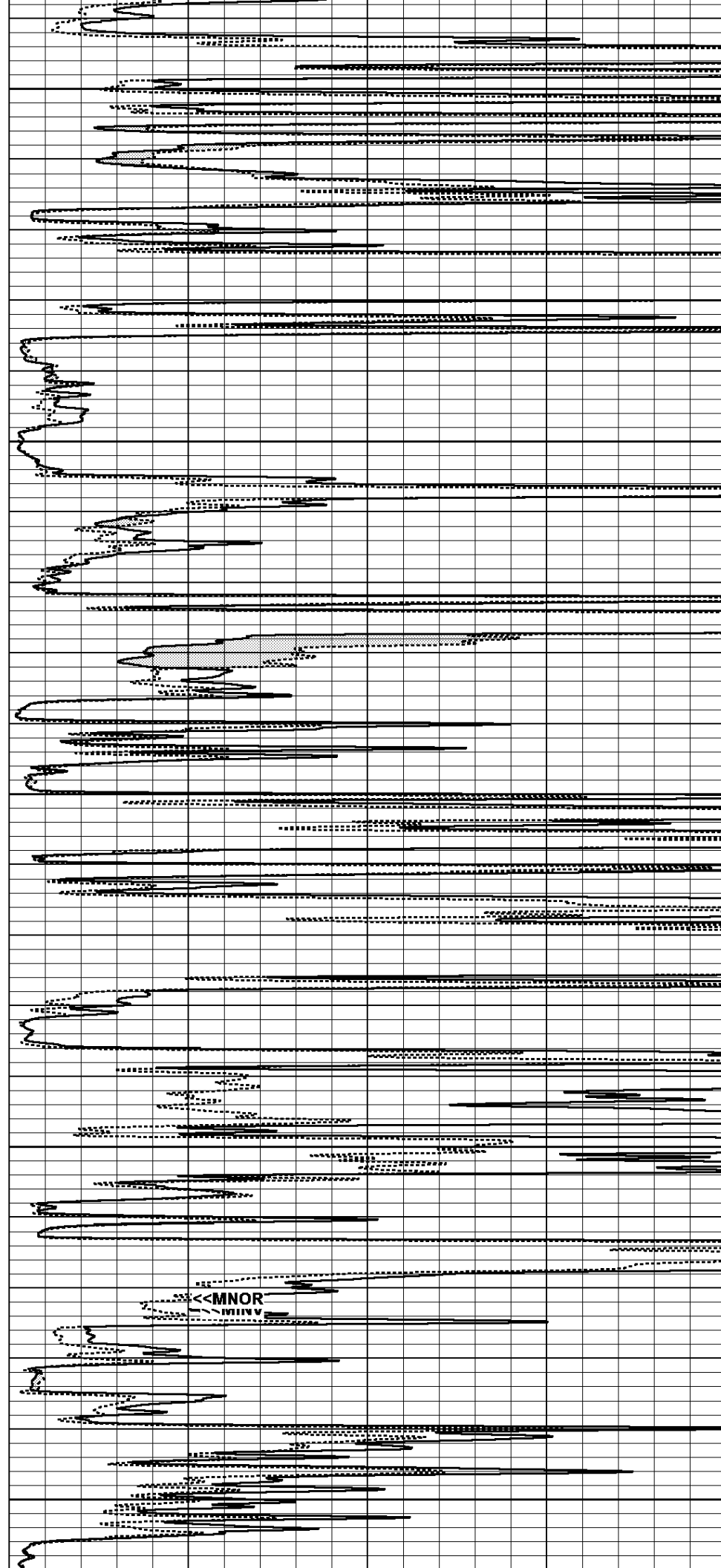
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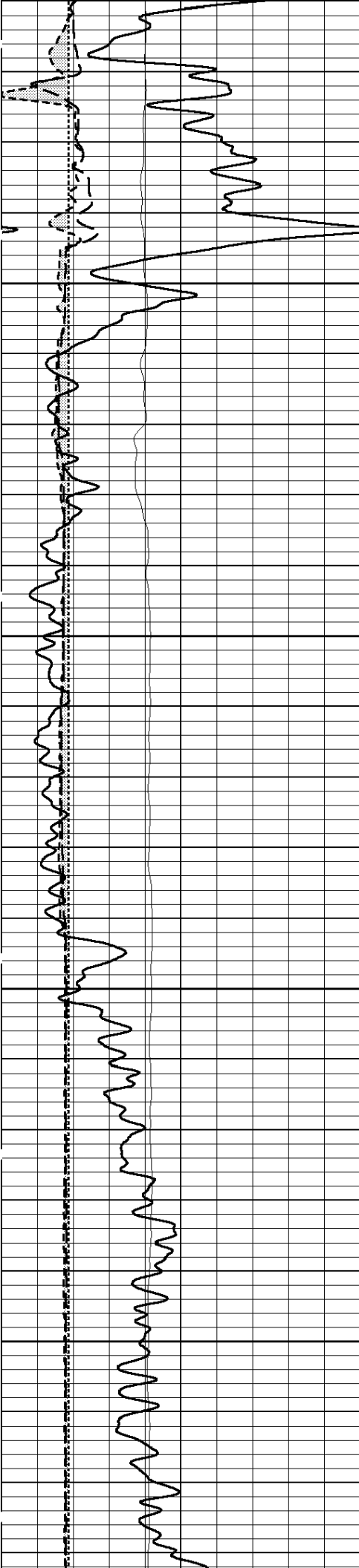
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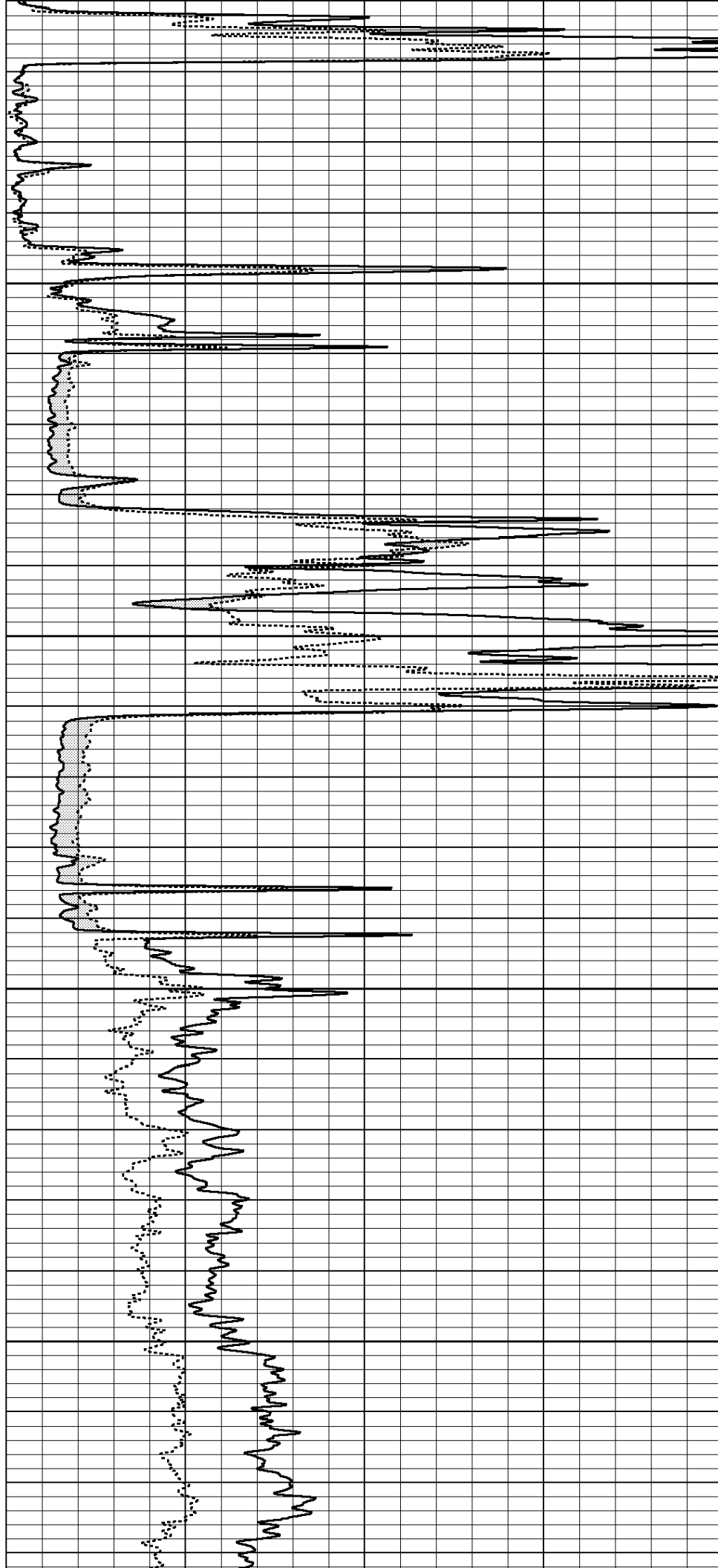


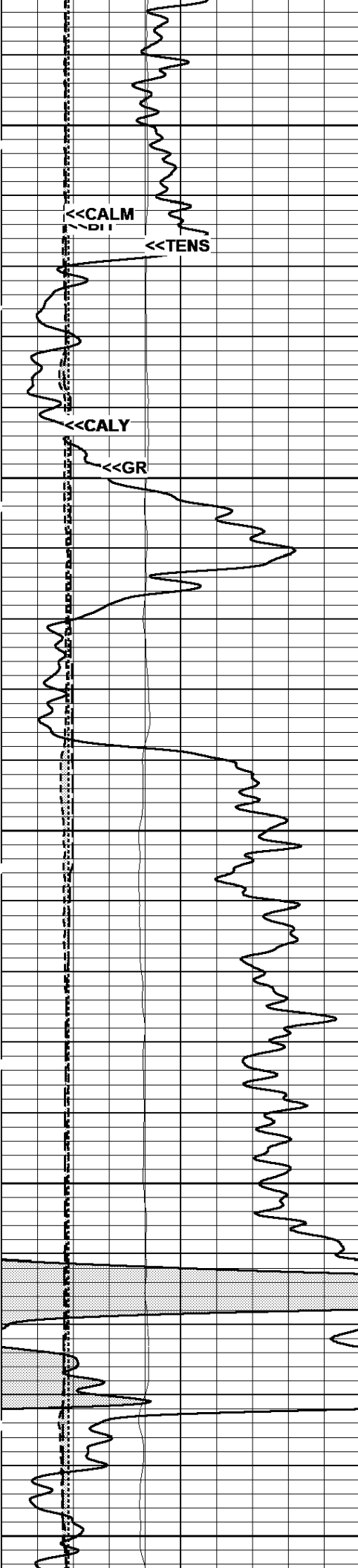
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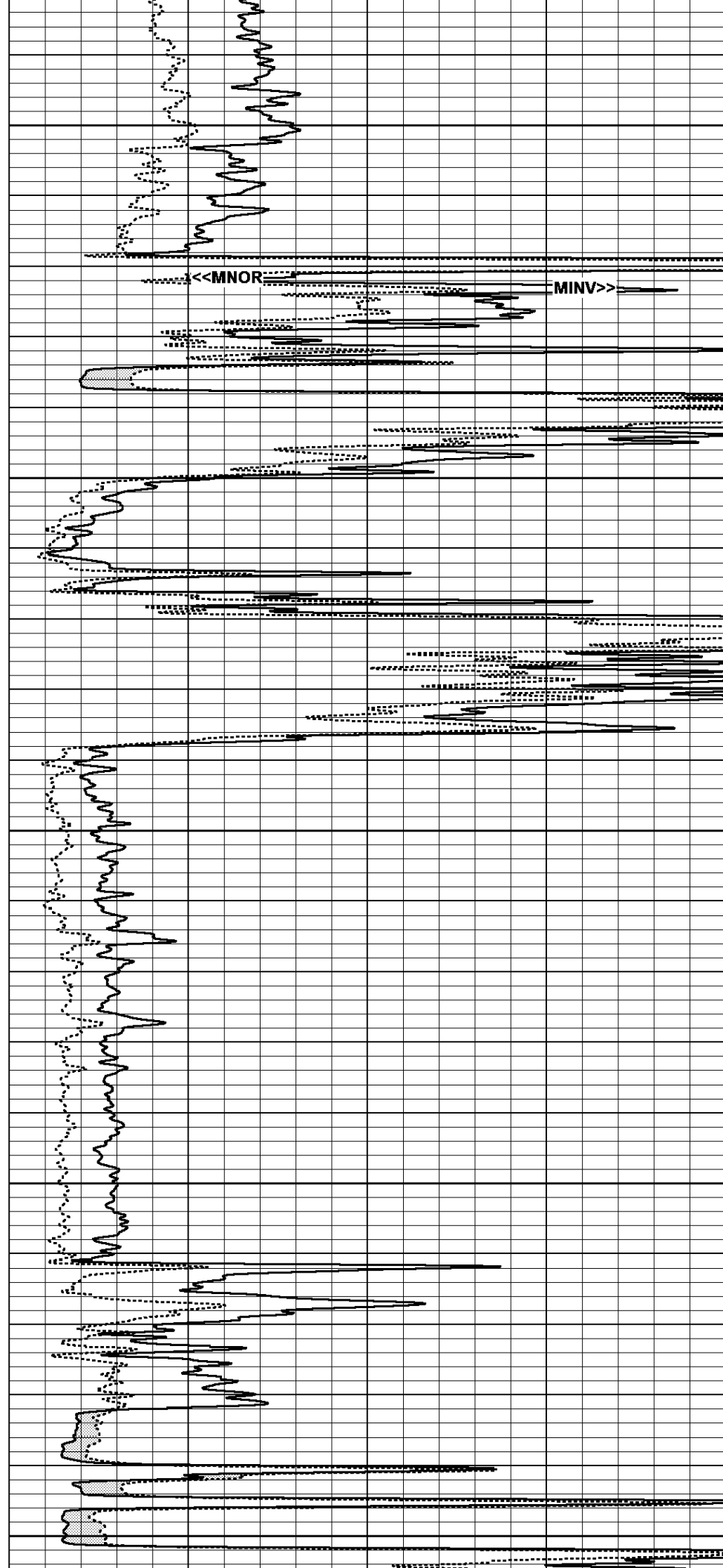
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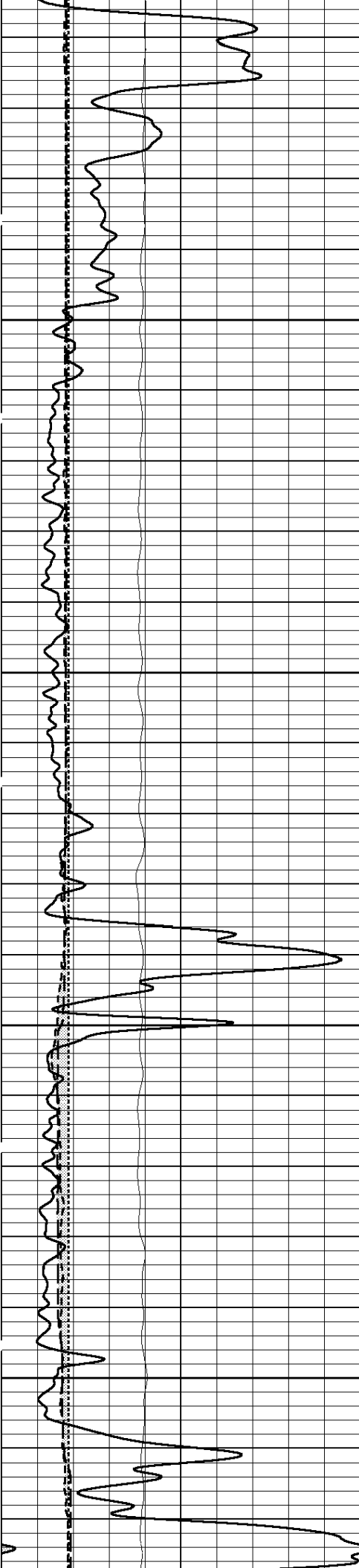
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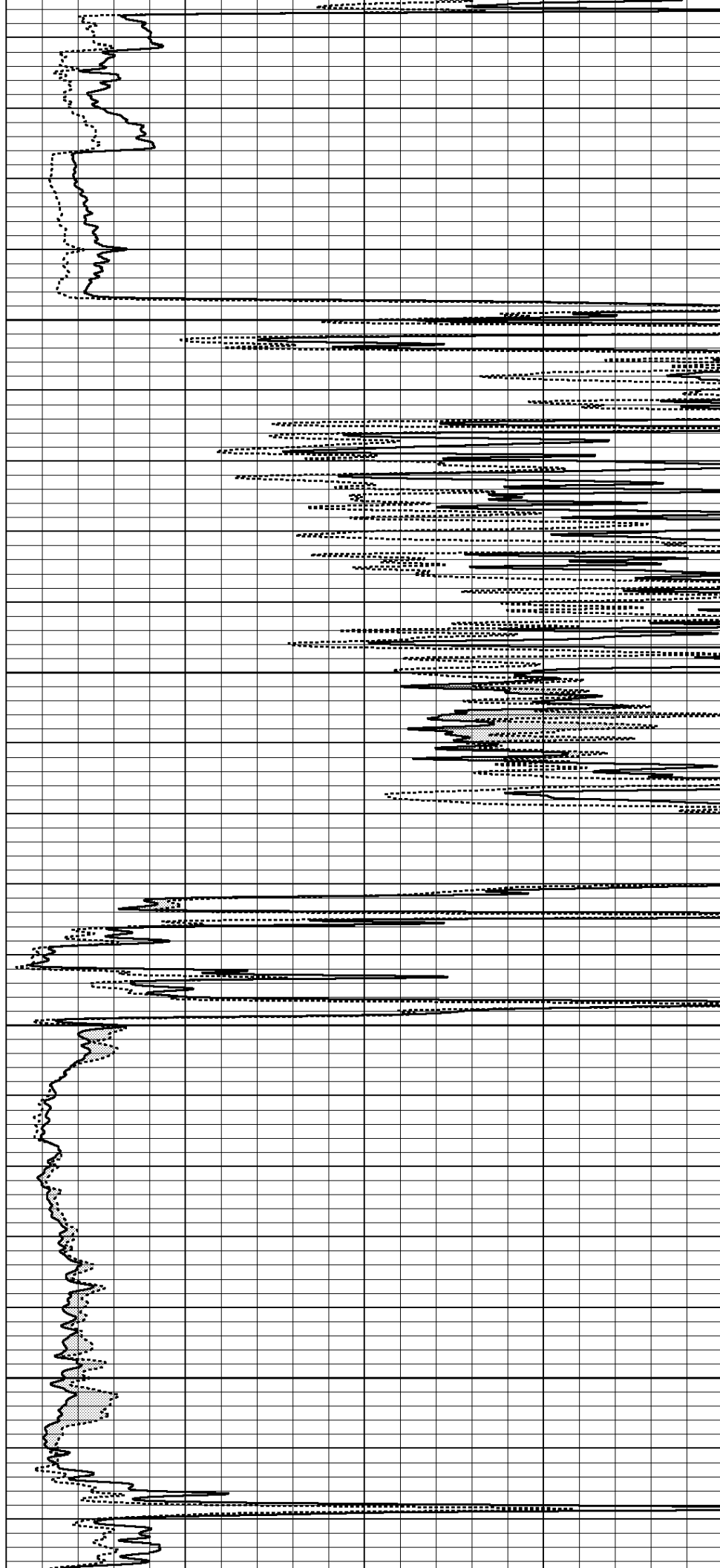


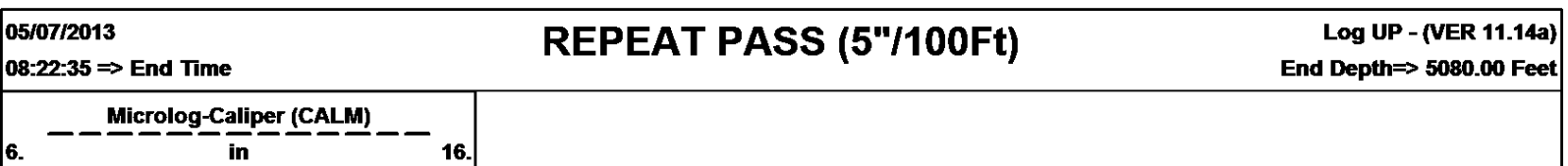
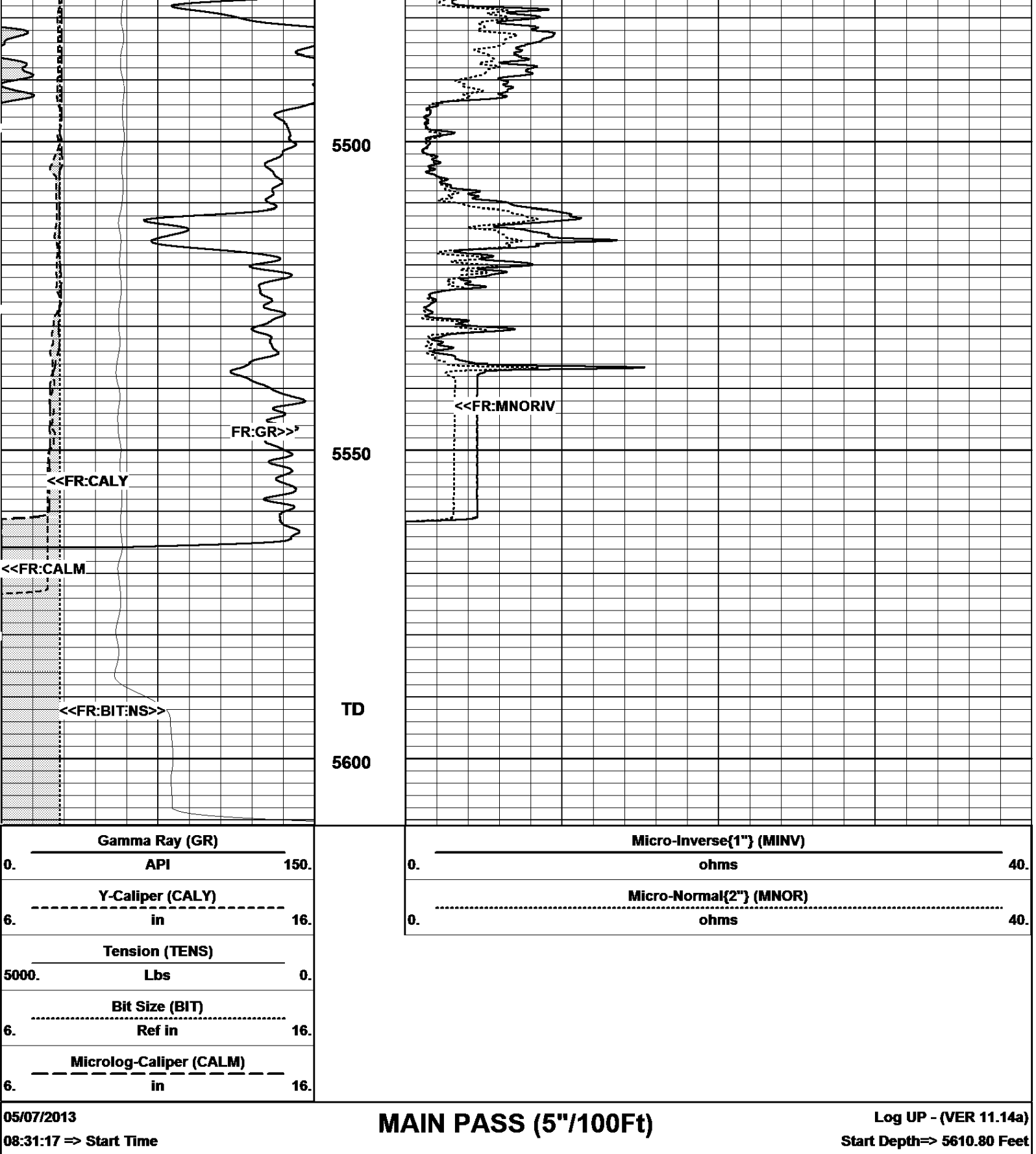
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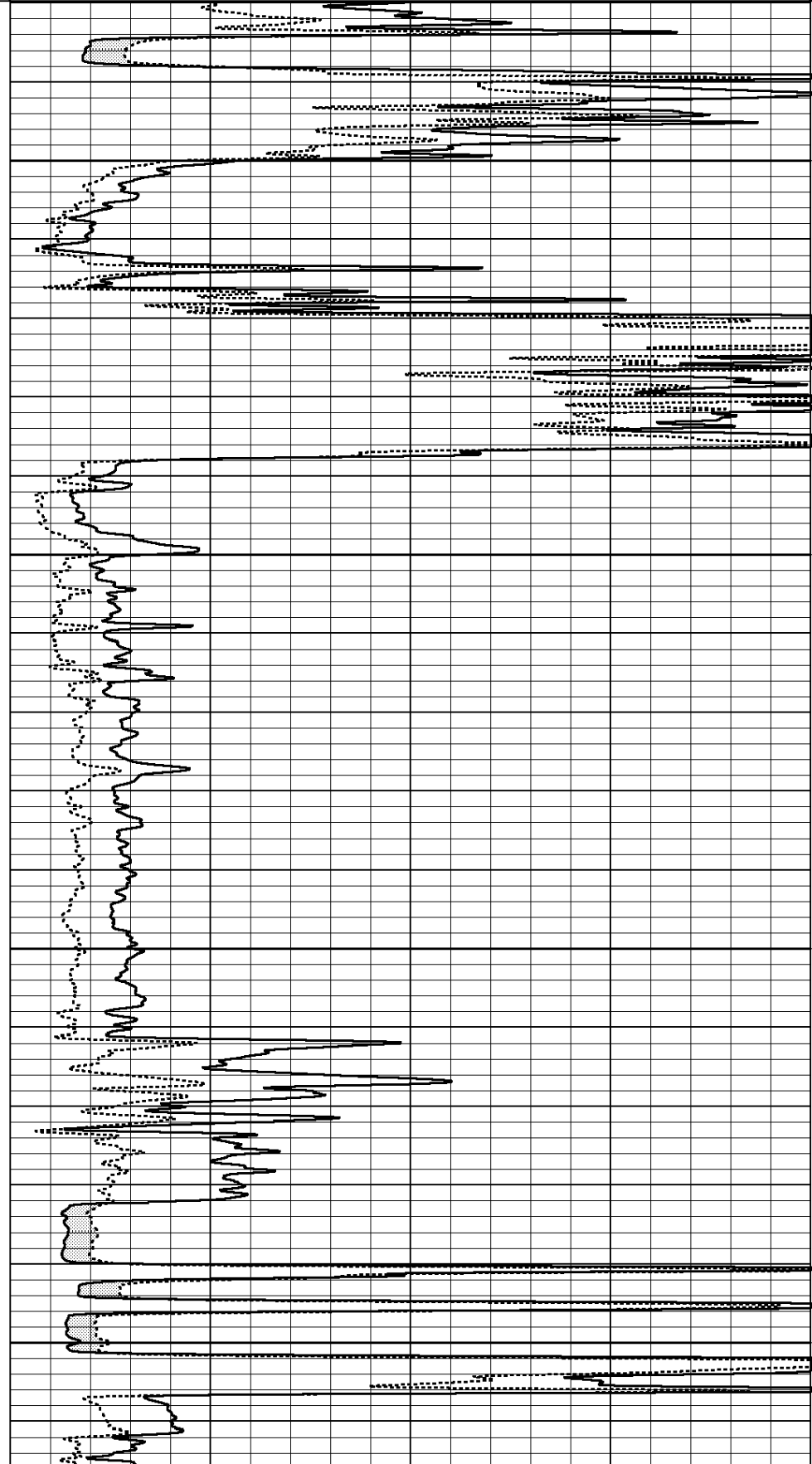
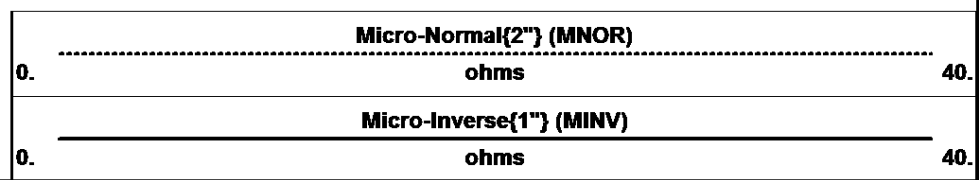
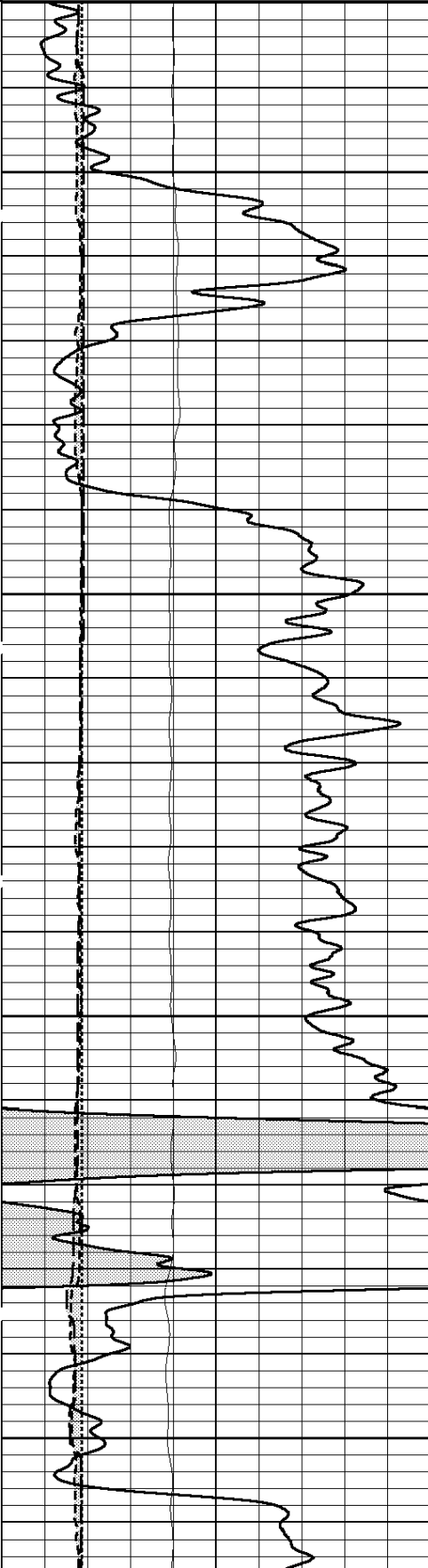
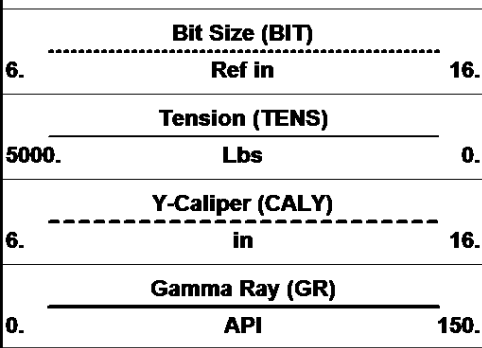
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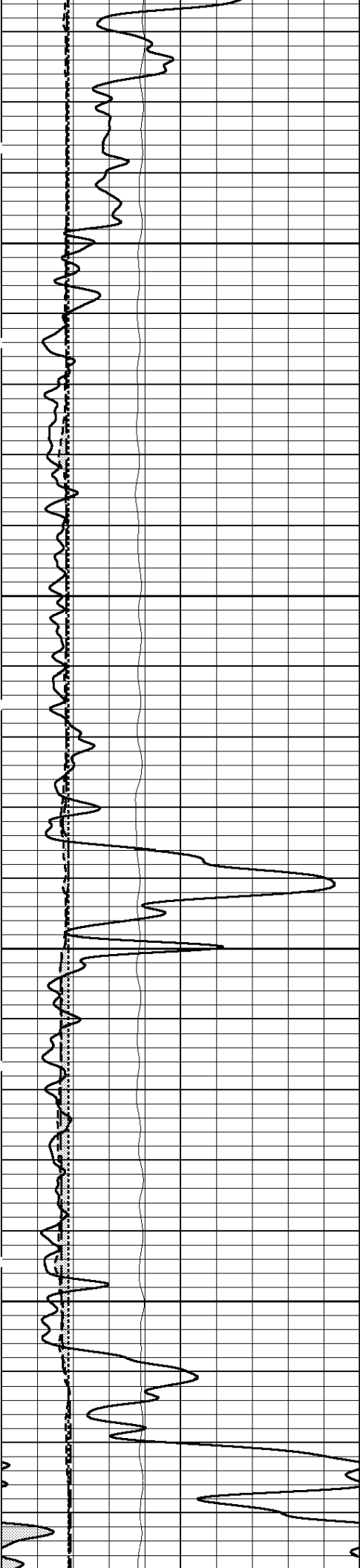
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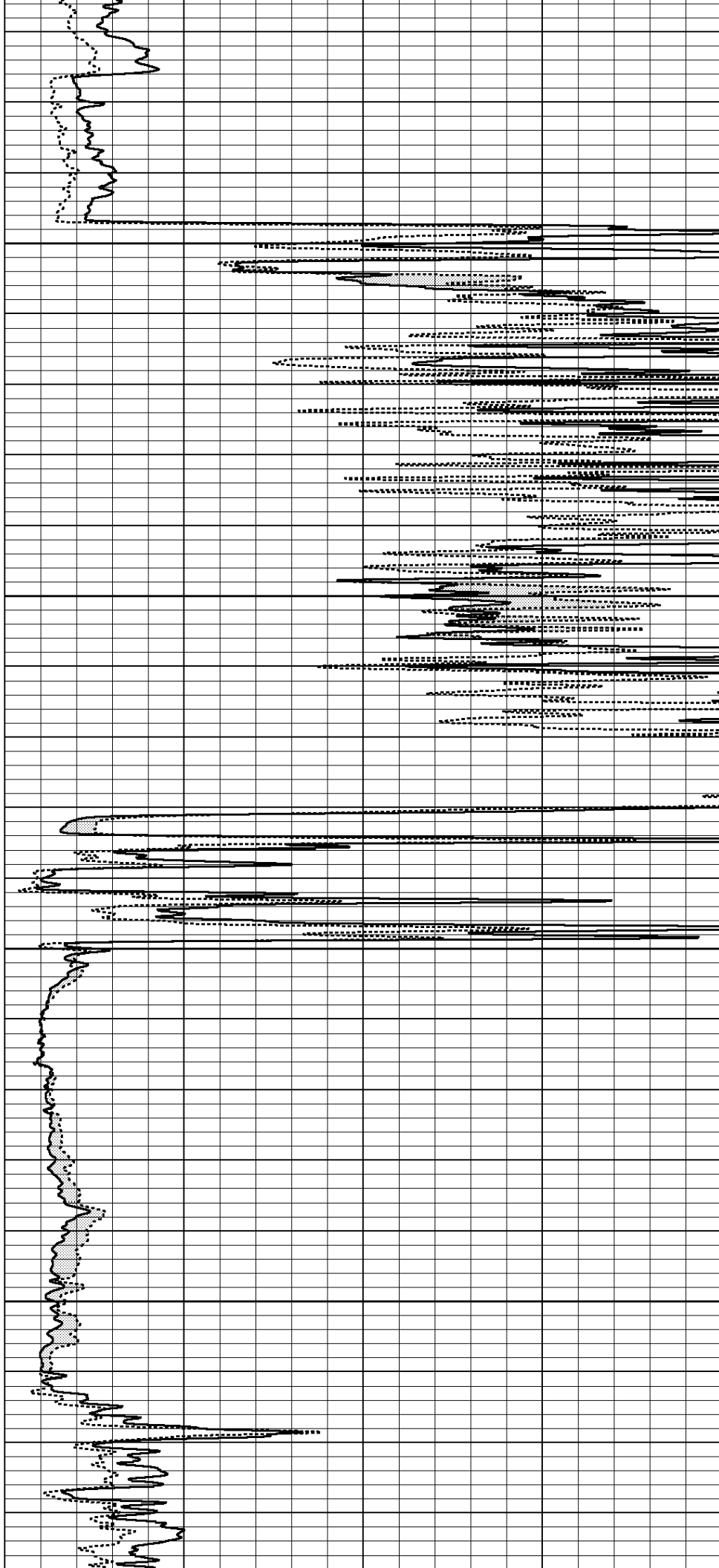


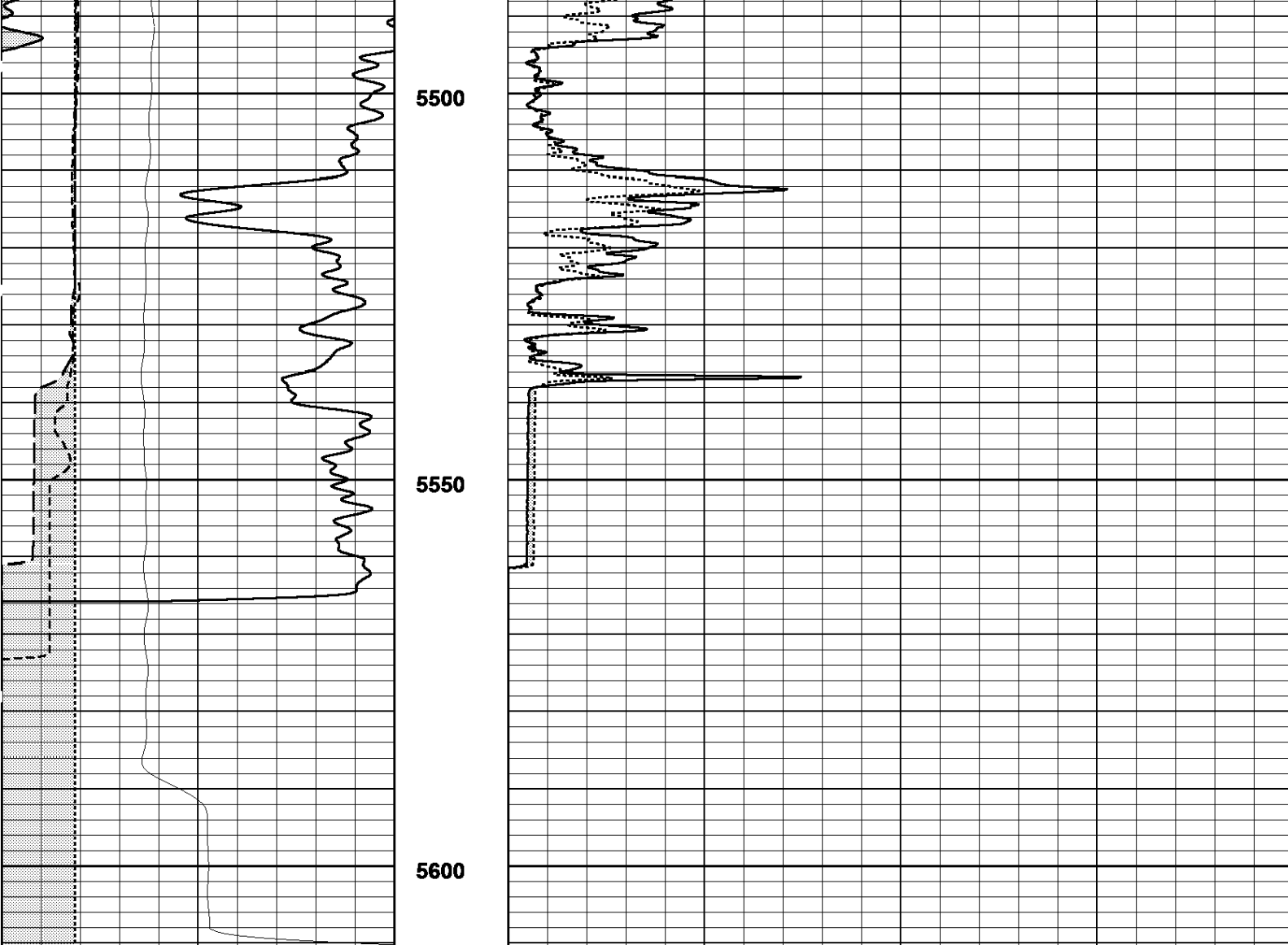
5300

5350

5400

5450





Gamma Ray (GR)		
0.	API	150.
Y-Caliper (CALY)		
6.	in	16.
Tension (TENS)		
5000.	Lbs	0.
Bit Size (BIT)		
6.	Ref in	16.
Microlog-Caliper (CALM)		
6.	in	16.

Micro-Inverse{1"} (MINV)		
0.	ohms	40.
Micro-Normal{2"} (MNOR)		
0.	ohms	40.

05/07/2013
08:09:55 => Start Time

REPEAT PASS (5"/100ft)

Log UP - (VER 11.14a)
Start Depth=> 5610.80 Feet

MICRO INVERSE CALIBRATIONS					
SERIAL NUM		RM8002			
MASTER CALIBRATIONS					
	LowVal: 0.020 ohmm	HighVal: 10.000 ohmm	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
			0.042 gain		

BASE CALS	25.851 - raw	264.987 - raw	0.042 - gain -1.059 - off	M/D/Y> 4/16/2013	H:M:S> 10:9:34
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MICRO NORMAL CALIBRATIONS

SERIAL NUM

RM8002

MASTER CALIBRATIONS

	LowVal: 0.020 ohmm	HighVal: 10.000 ohmm	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	35.220 - raw	400.924 - raw	0.027 - gain -0.941 - off	M/D/Y> 4/16/2013	H:M:S> 10:15:15

GAMMA RAY CALIBBRATIONS

SERIAL NUM

RG3007

BLANKET NUM

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

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

MICRO CALIPER CALIBRATIONS

SERIAL NUM

RM8002

MASTER CALIBRATIONS

	LowVal: 6.000 In	HighVal: 10.000 In	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	1918.252 - raw	3960.616 - raw	0.002 - gain 2.243 - off	M/D/Y> 4/16/2013	H:M:S> 10:22:19

Company

VAUGHN GOOD OIL COMPANY

Well

NUSSER #3-16

Field

S.E. HARDTNER

County

BARBER

State

KANSAS



MICROLOG
GAMMA RAY

RECON

GAMMA RAY
X-Y CALIPER



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