



DUAL
INDUCTION
LOG

Company American Oil LLC.
Well William Hinman #7
Field Morel
County Graham
State Kansas

Company American Oil LLC.
Well William Hinman #7
Field Morel
County Graham State Kansas

Location: 2310' FSL & 2150' FEL
API #: 15 163 24326
SEC 23 TWP 9S RGE 21W
Permanent Datum Ground Level Elevation 2279'
Log Measured From KB 8' AGL
Drilling Measured From KB
Elevation
K.B. 2287'
D.F. 2286'
G.L. 2279'

Date	4-15-17		
Run Number	One		
Depth Driller	3869'		
Depth Logger	3867'		
Bottom Logged Interval	3865'		
Top Log Interval	200		
Casing Driller	10 3/4" @ 220'		
Casing Logger	220'		
Bit Size	9 3/4"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.4/58		
PH / Fluid Loss	10.3/8.0		
Source of Sample	Pit		
Rm @ Meas. Temp	2.1@70degf		
Rmf @ Meas. Temp	1.68@70degf		
Rmc @ Meas. Temp	2.68@70degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.39@106degf		
Time Circulation Stopped	10:00 a.m.		
Time Logger on Bottom	1:30 p.m.		
Maximum Recorded Temperature	112degf		
Equipment Number	T127		
Location	Hays, KS.		
Recorded By	C.Patterson		
Witnessed By	Mr. Adam Folk		

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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



Main Pass

Database File aowilliamhinman7oh.db
 Dataset Pathname pass3.2
 Presentation Format kdillinn
 Dataset Creation Sat Apr 15 14:58:57 2017
 Charted by Depth in Feet scaled 1:600

0 GR (GAPI) 150

1000 CILD (mmho/m) 0

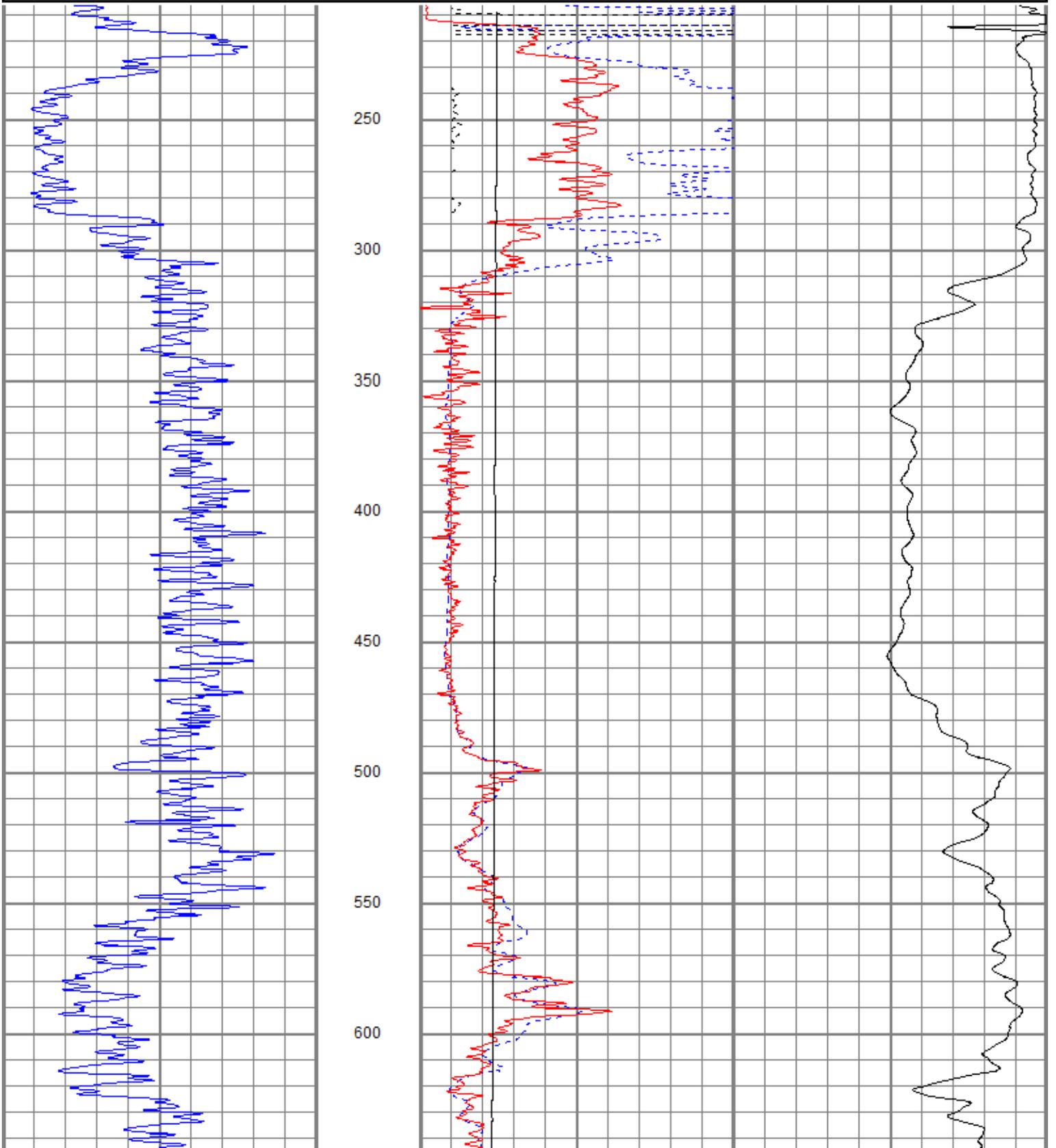
10000 LTEN (lb) 0

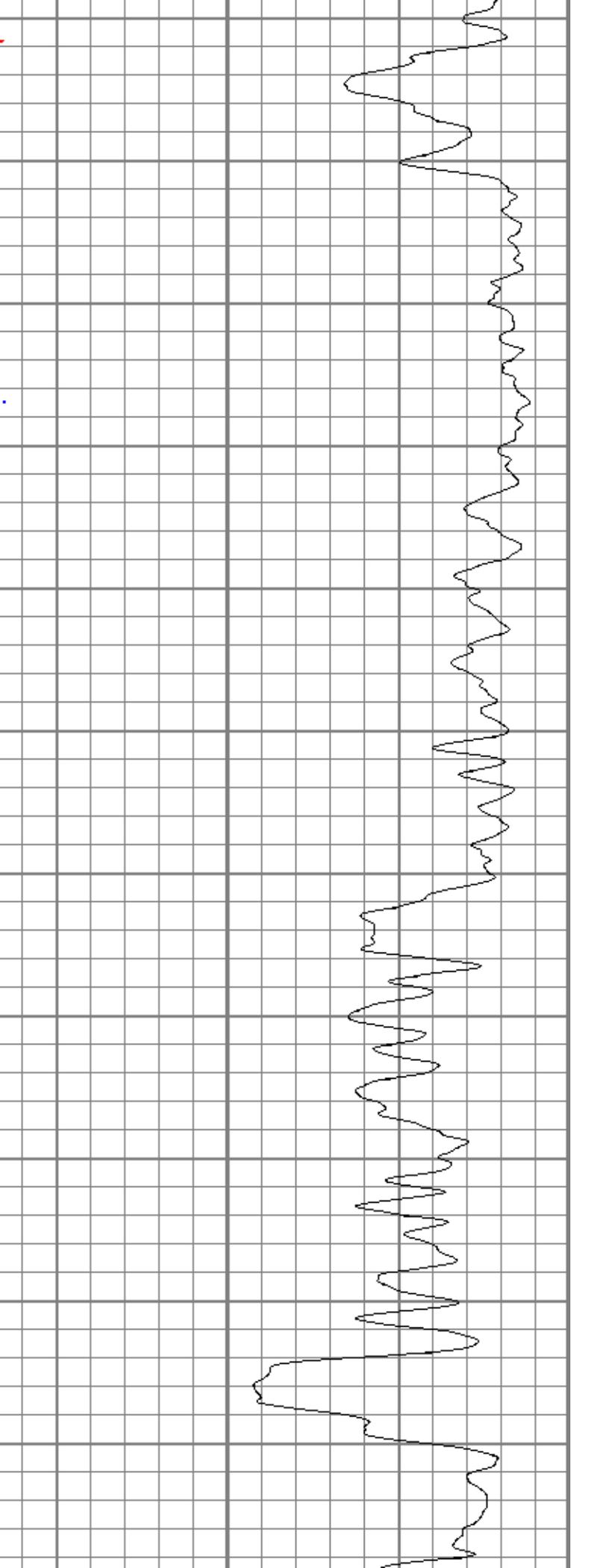
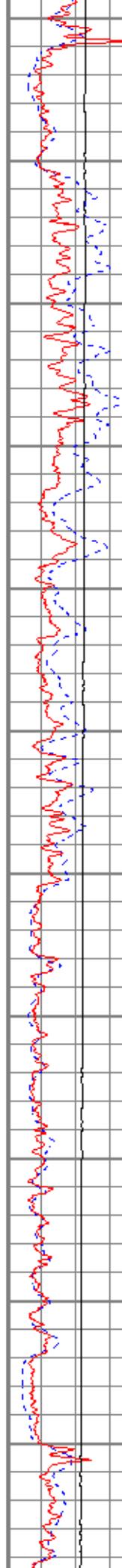
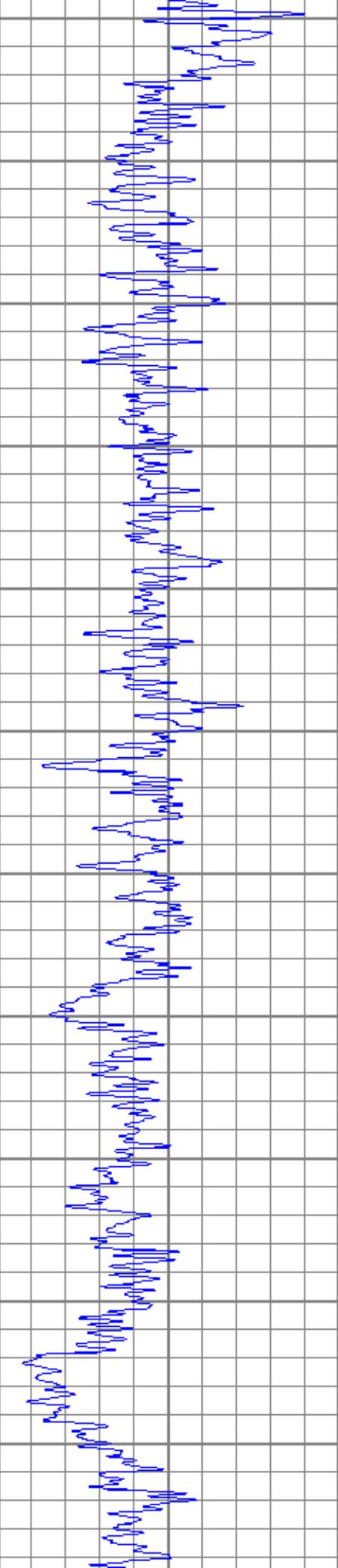
0 RILD (Ohm-m) 50

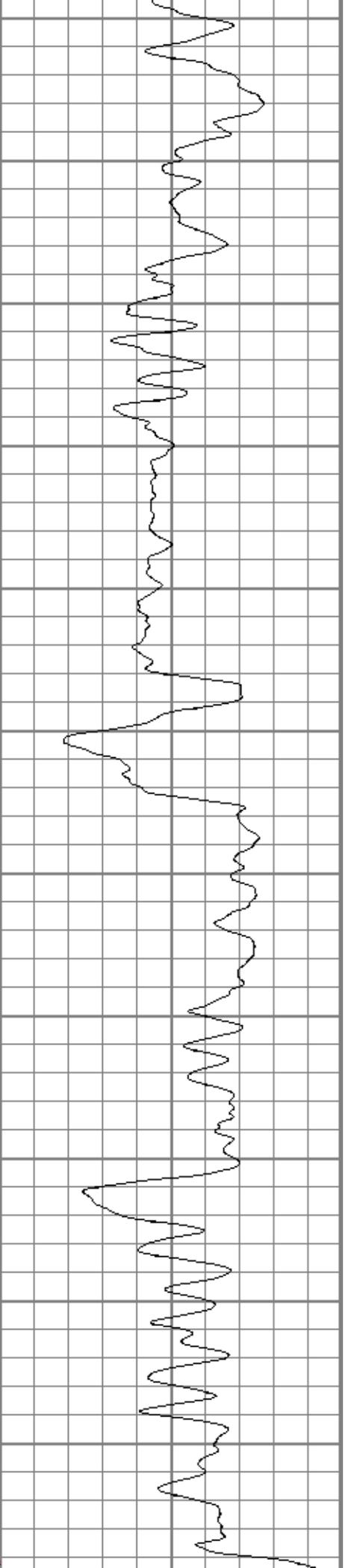
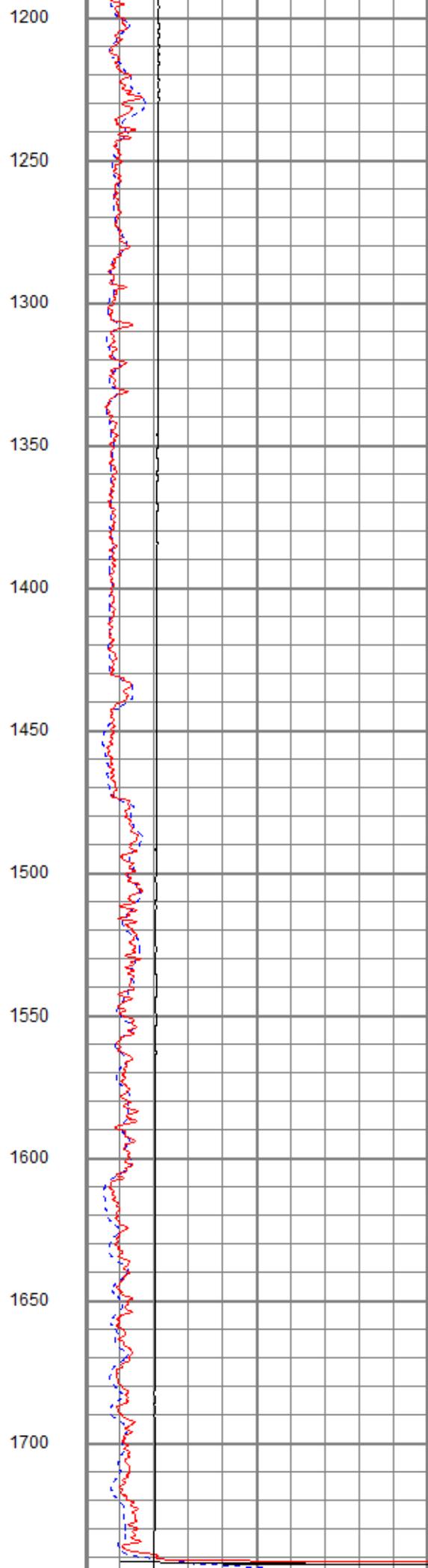
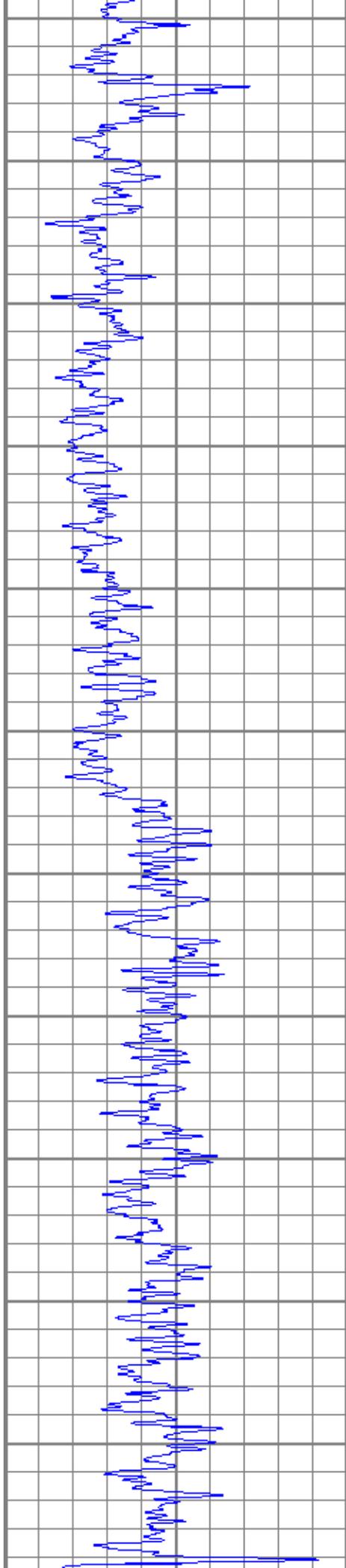
0 RLL3 (Ohm-m) 50

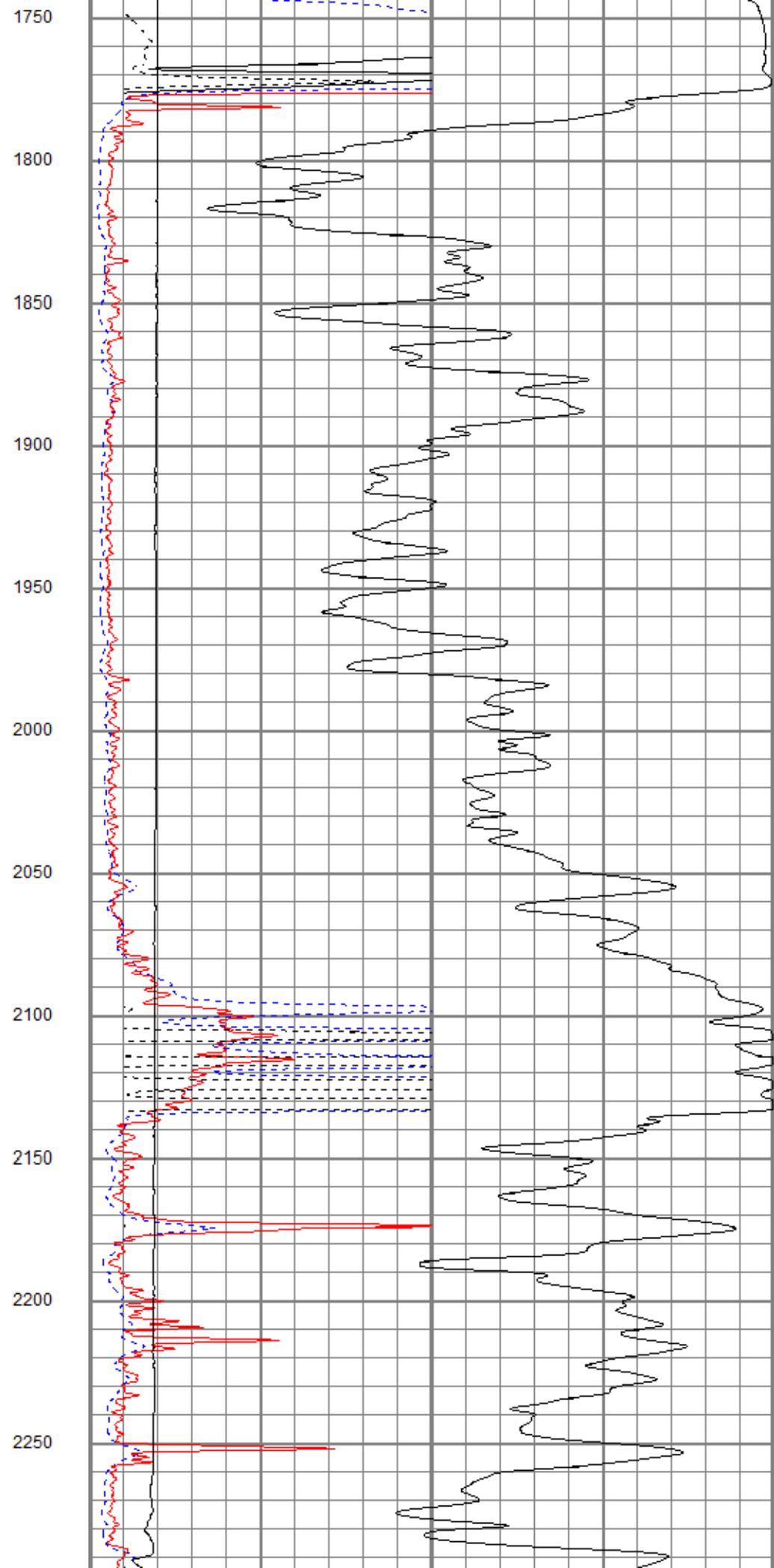
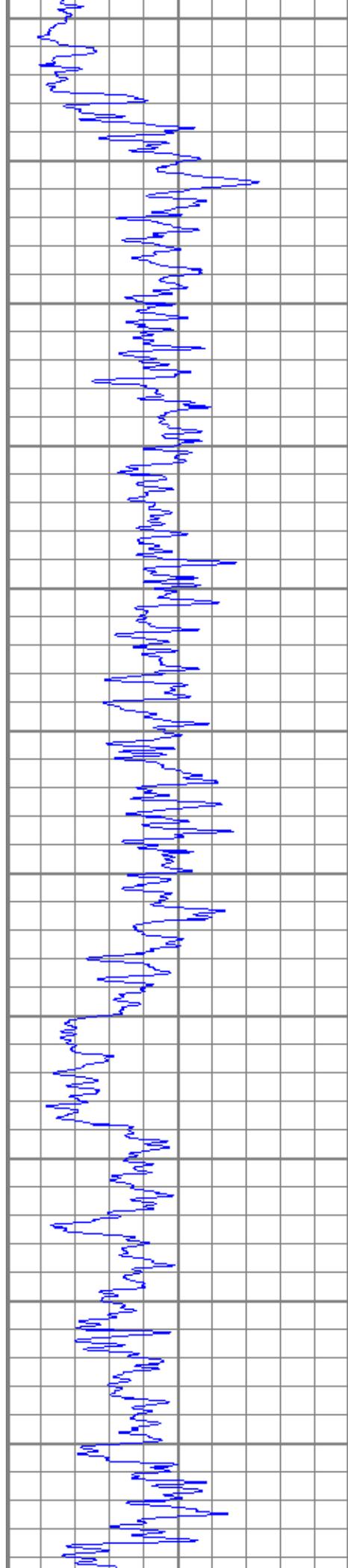
50 RILD x 10 (Ohm-m) 500

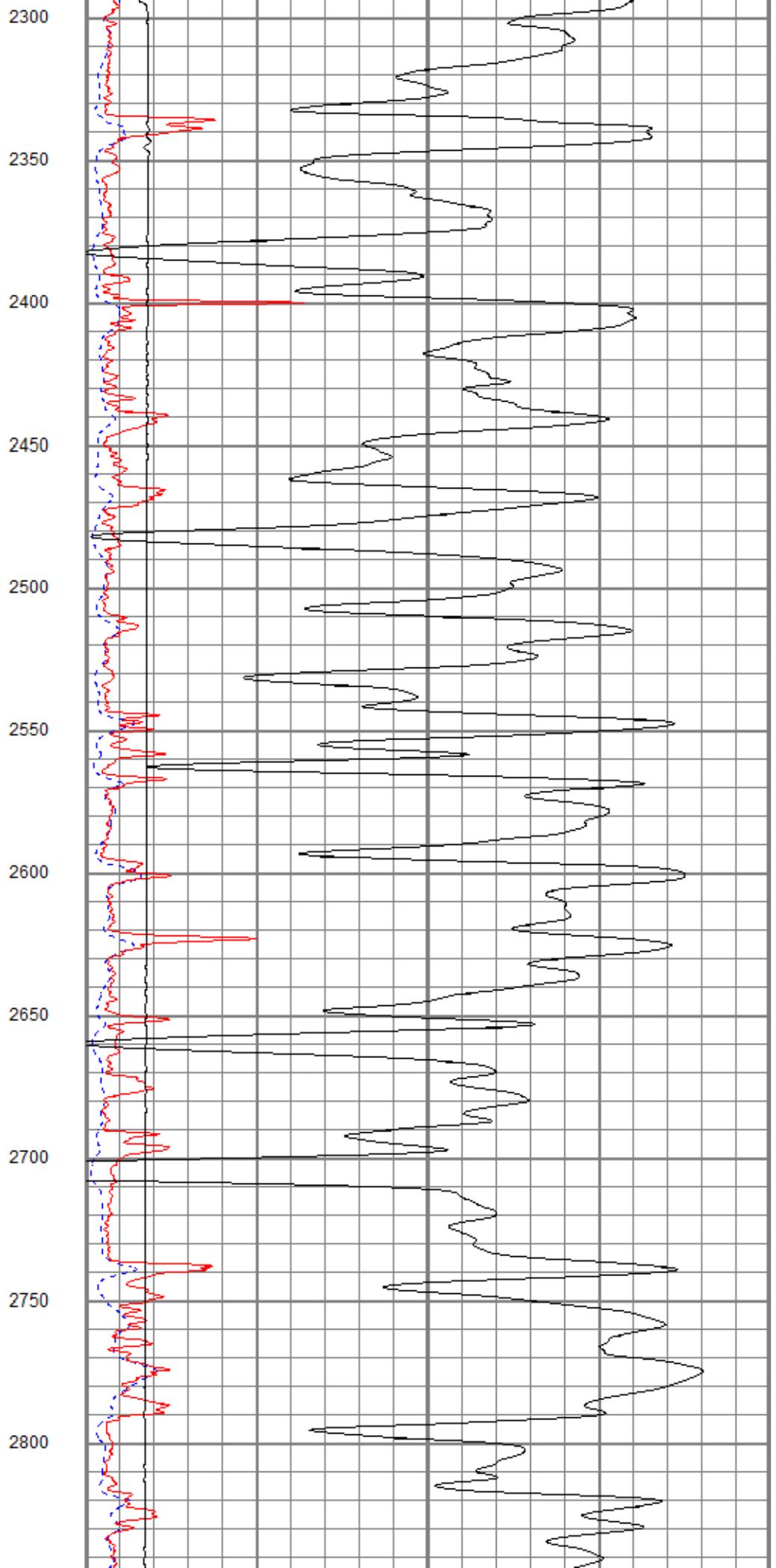
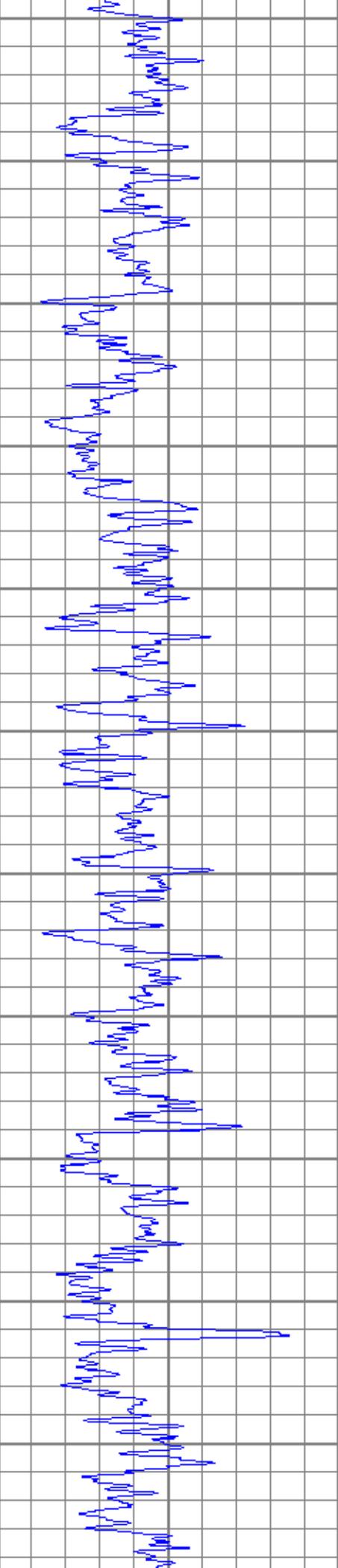
50 RLL3 x 10 (Ohm-m) 500

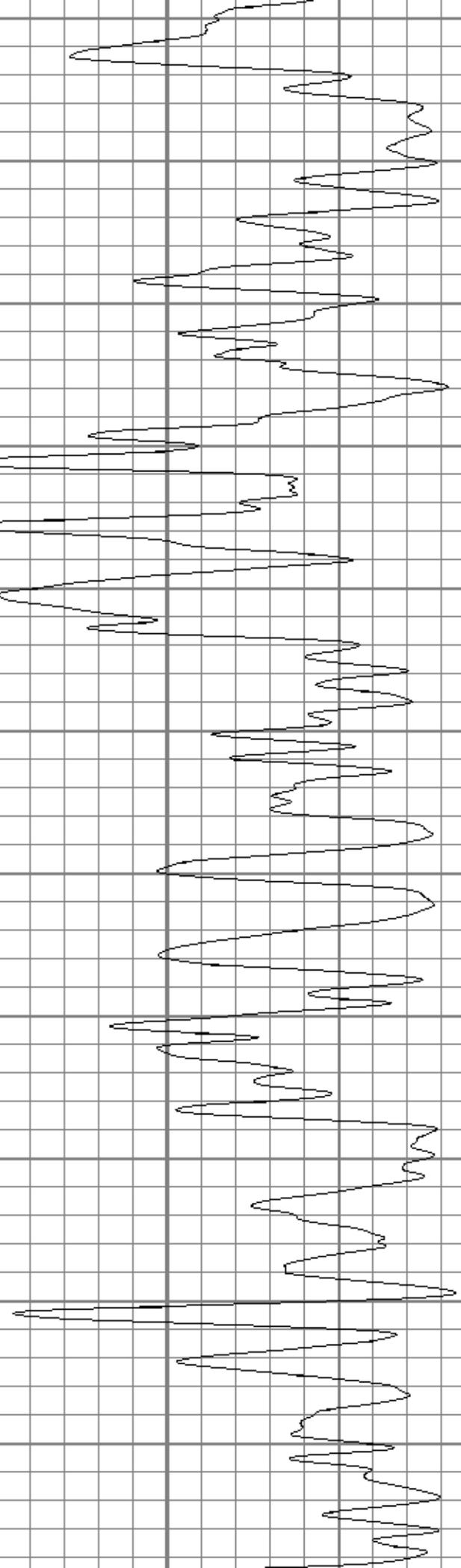
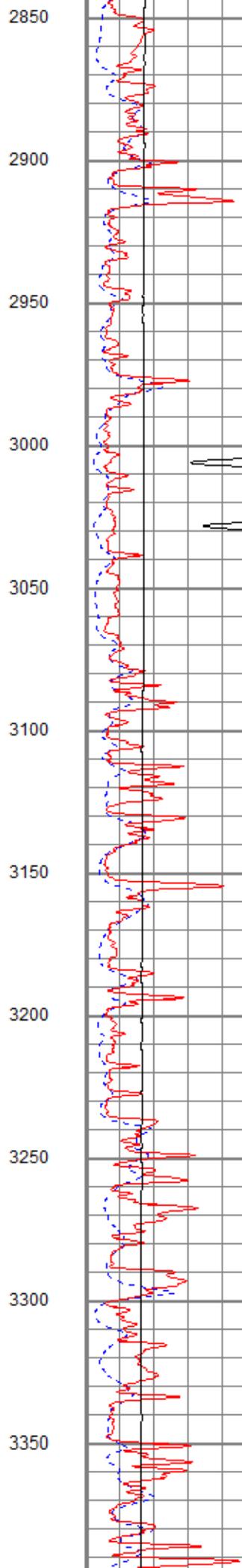
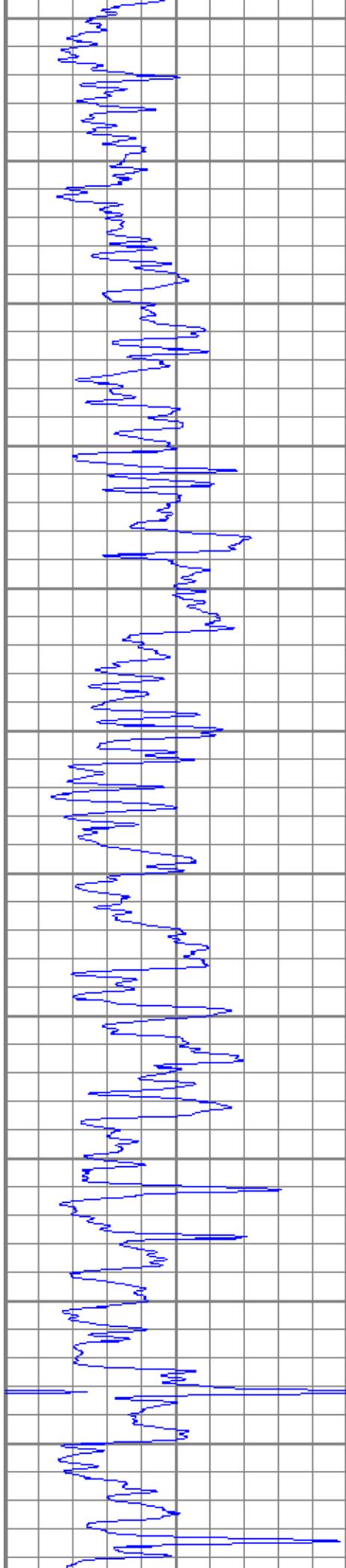


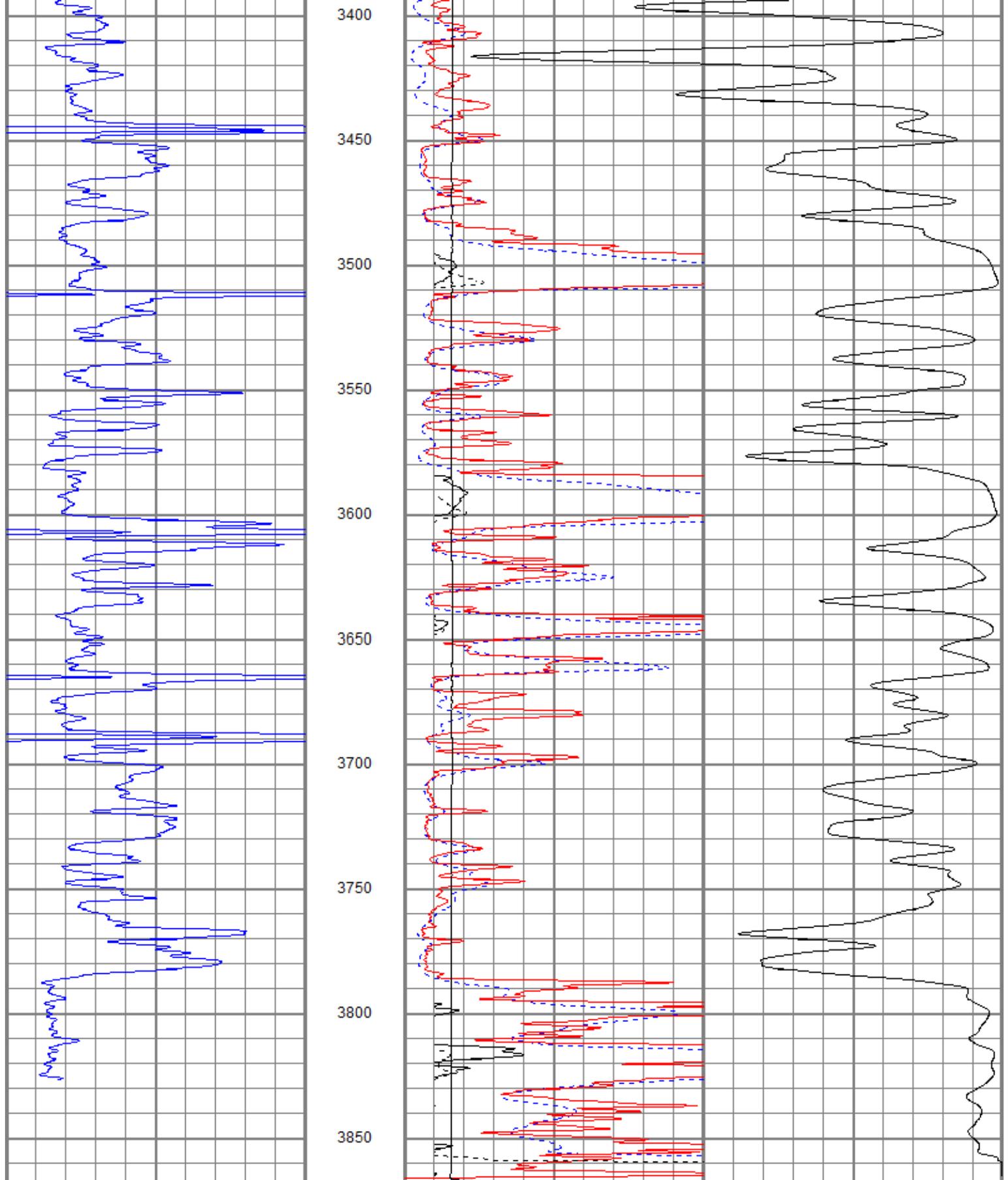












0 GR (GAPI) 150

1000 CILD (mmho/m) 0

10000 LTEN (lb) 0

0	RILD (Ohm-m)	50
0	RLL3 (Ohm-m)	50
50	RILD x 10 (Ohm-m)	500
50	RLL3 x 10 (Ohm-m)	500

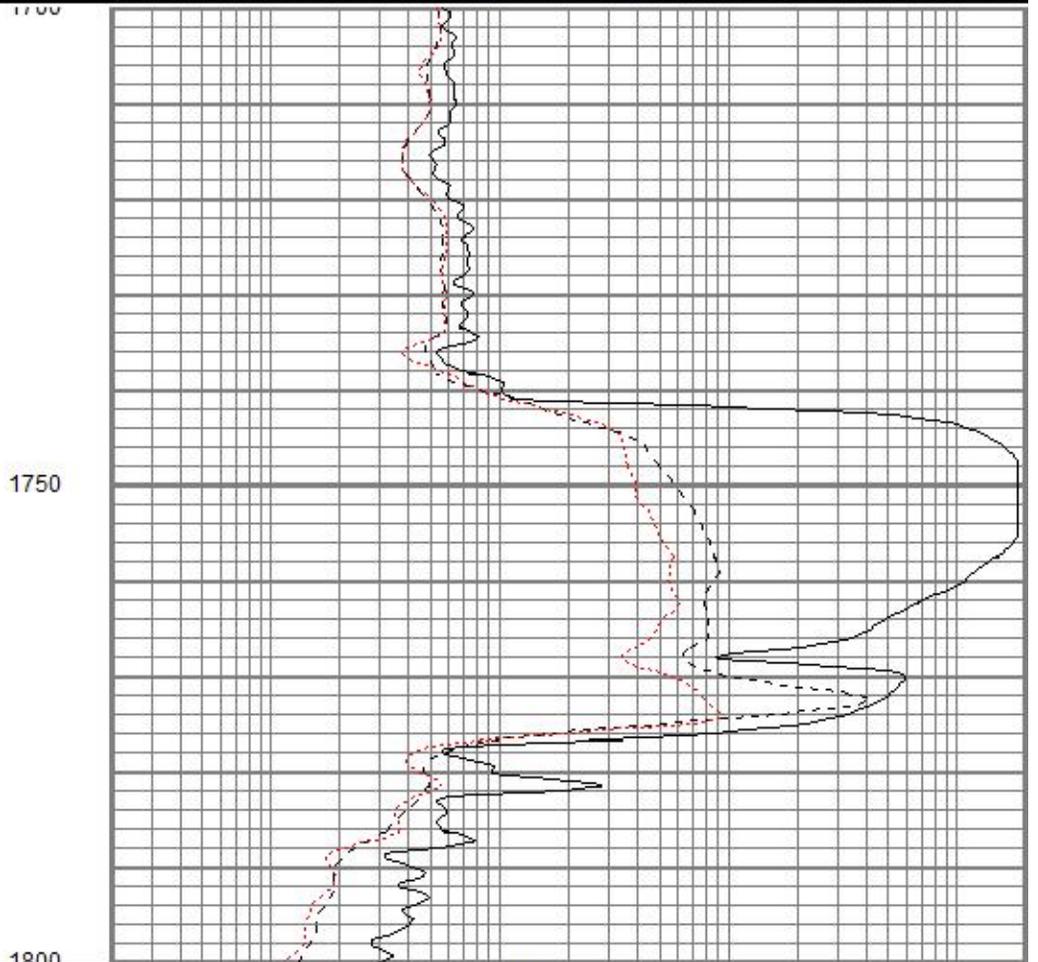
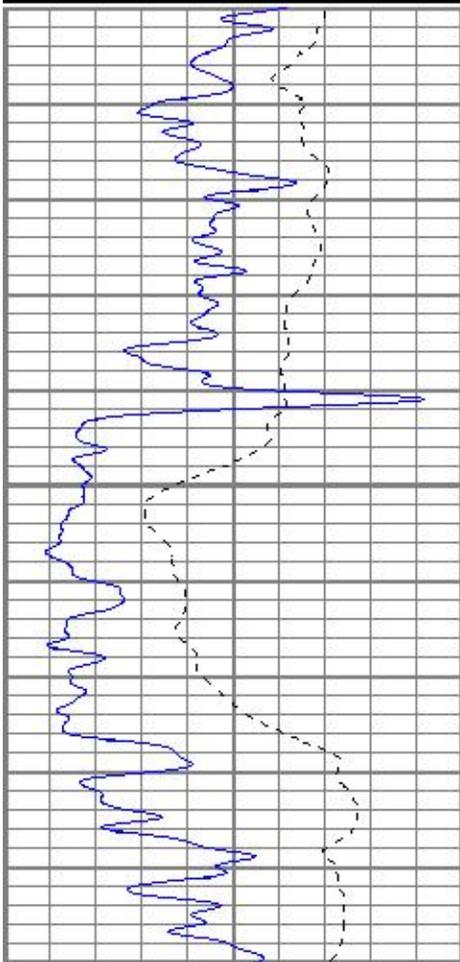


Main Pass

Database File aowilliamhinman7oh.db
 Dataset Pathname pass3.2
 Presentation Format kdil
 Dataset Creation Sat Apr 15 14:58:57 2017
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

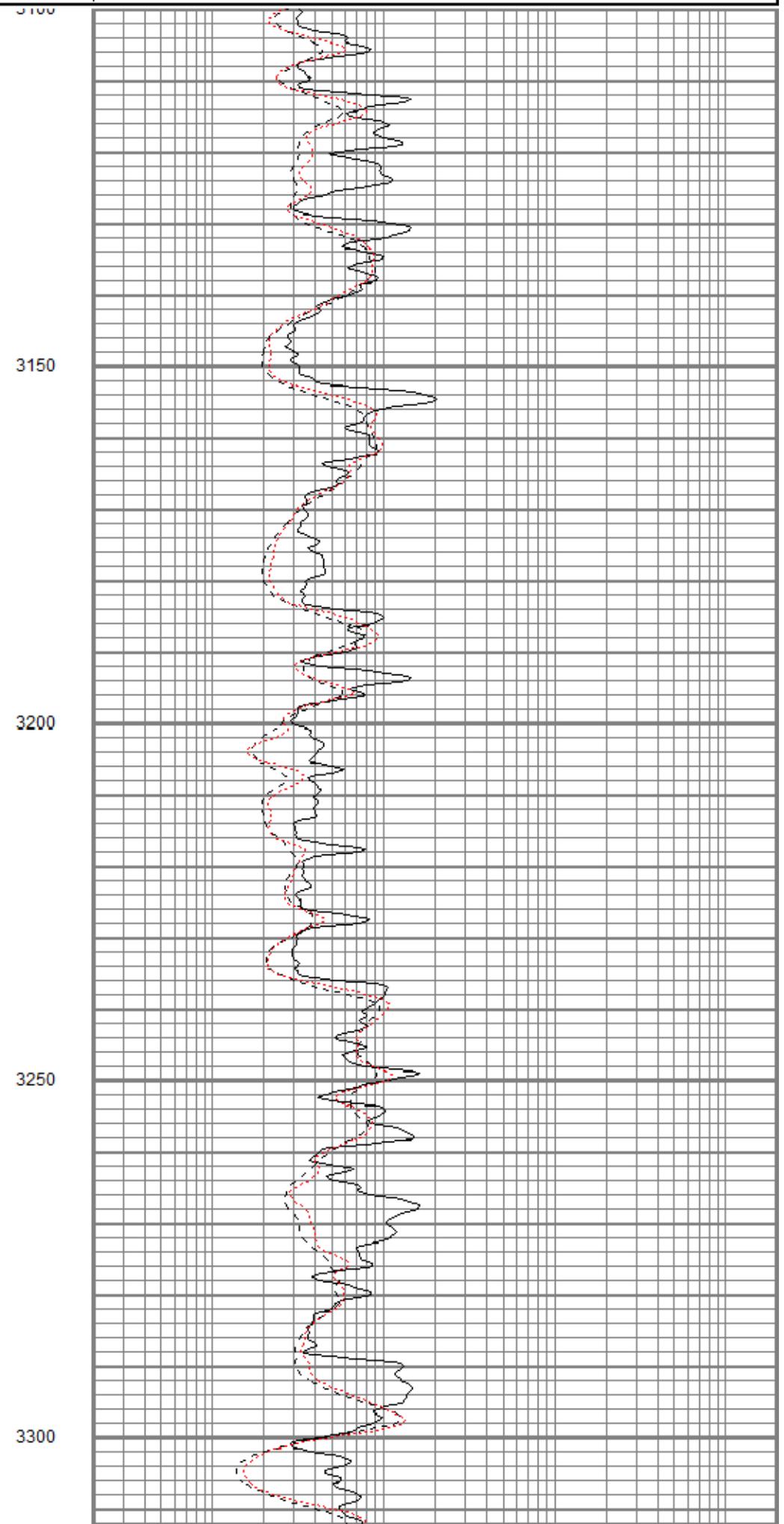
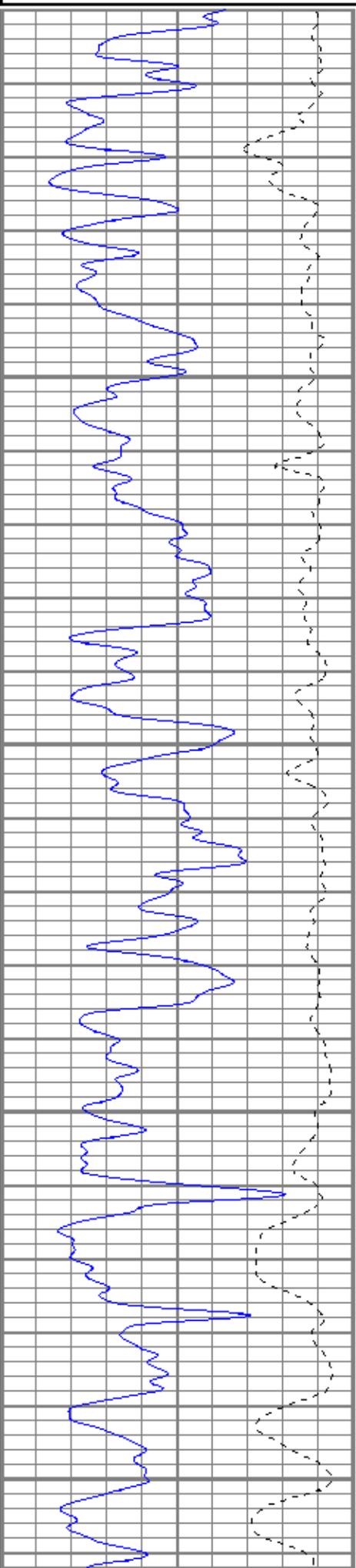


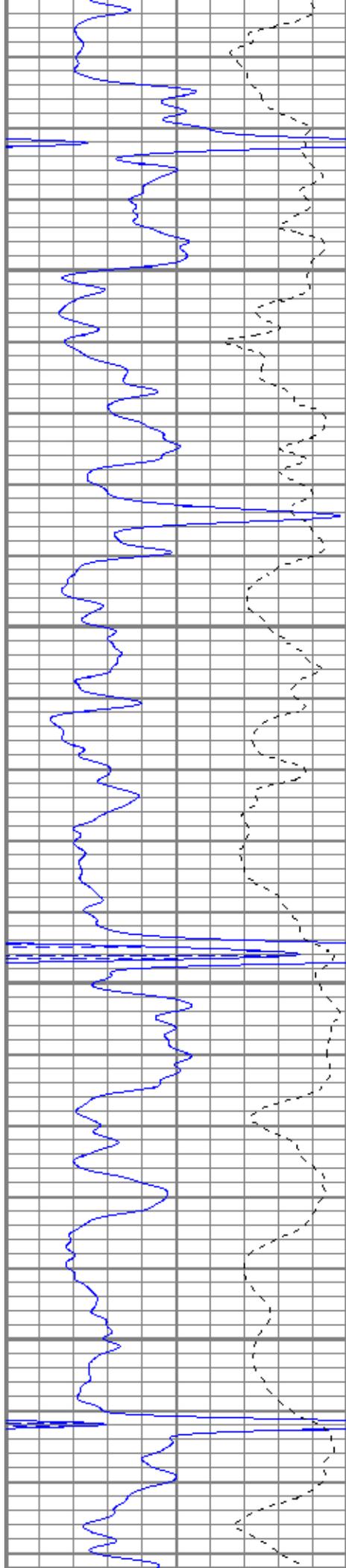
Main Pass

Database File aowilliamhinman7oh.db
 Dataset Pathname pass3.2
 Presentation Format kdil
 Dataset Creation Sat Apr 15 14:58:57 2017
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000



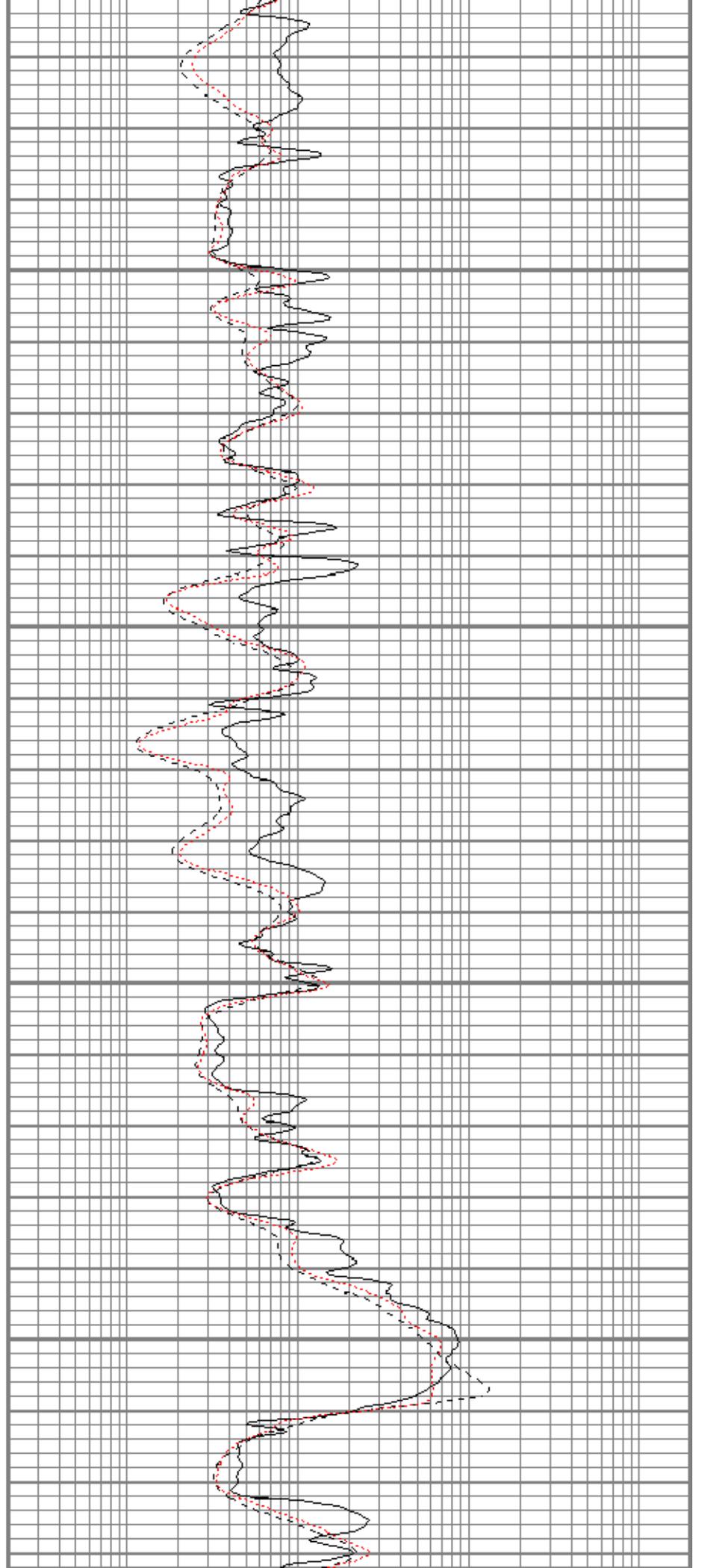


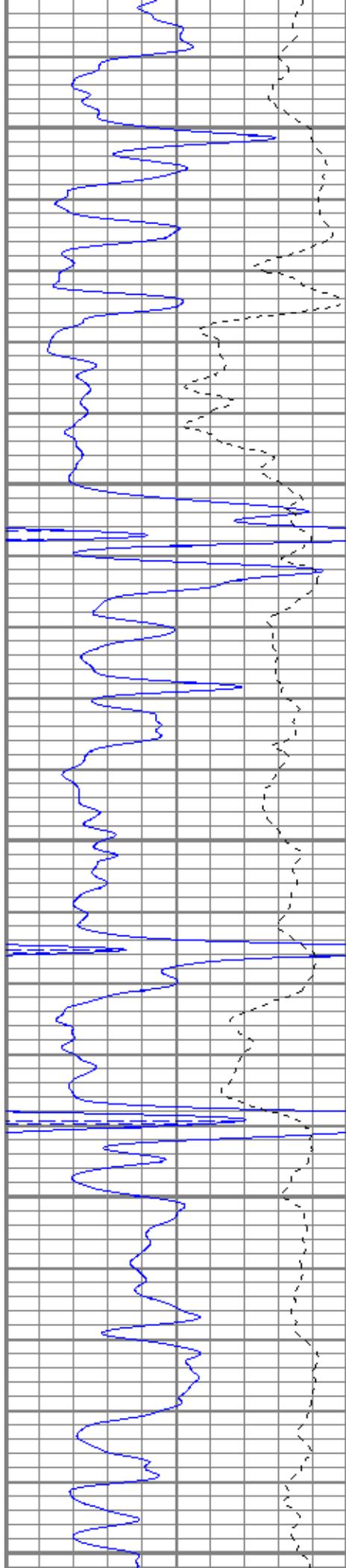
3350

3400

3450

3500





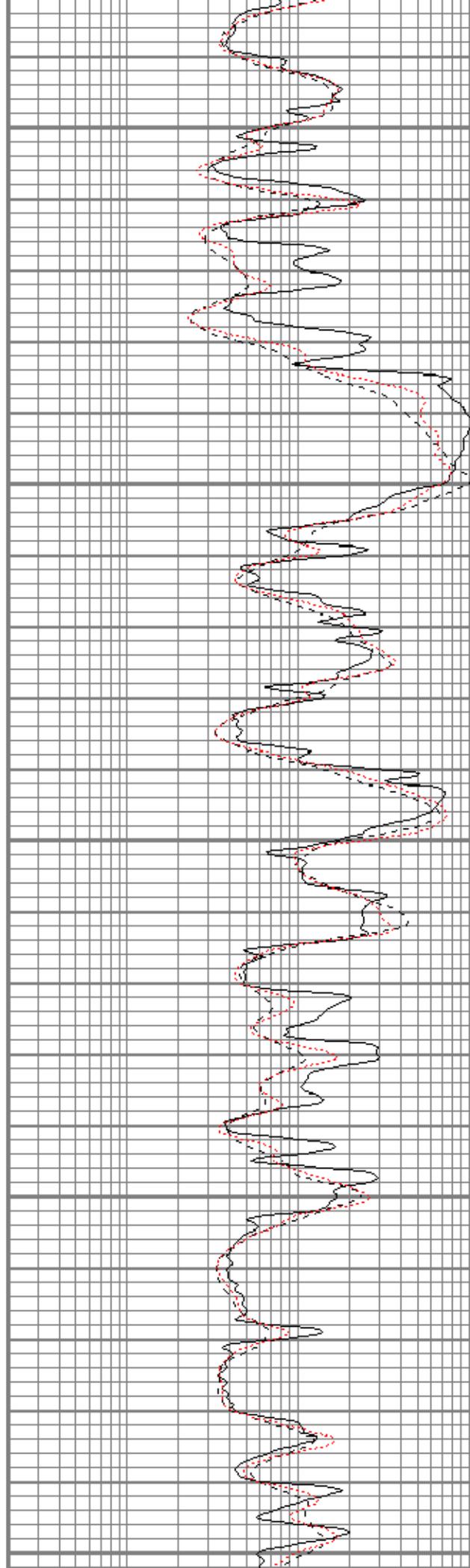
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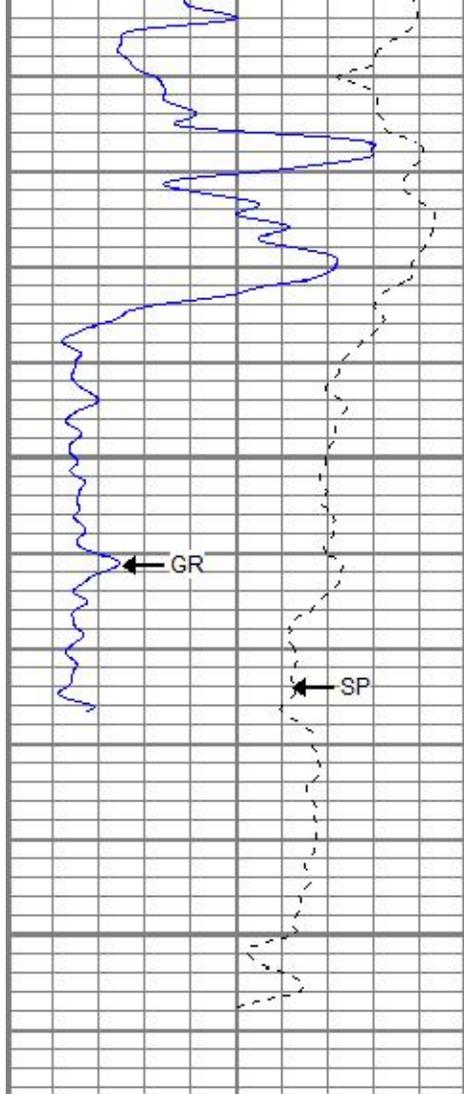
3600

3650

3700

3750





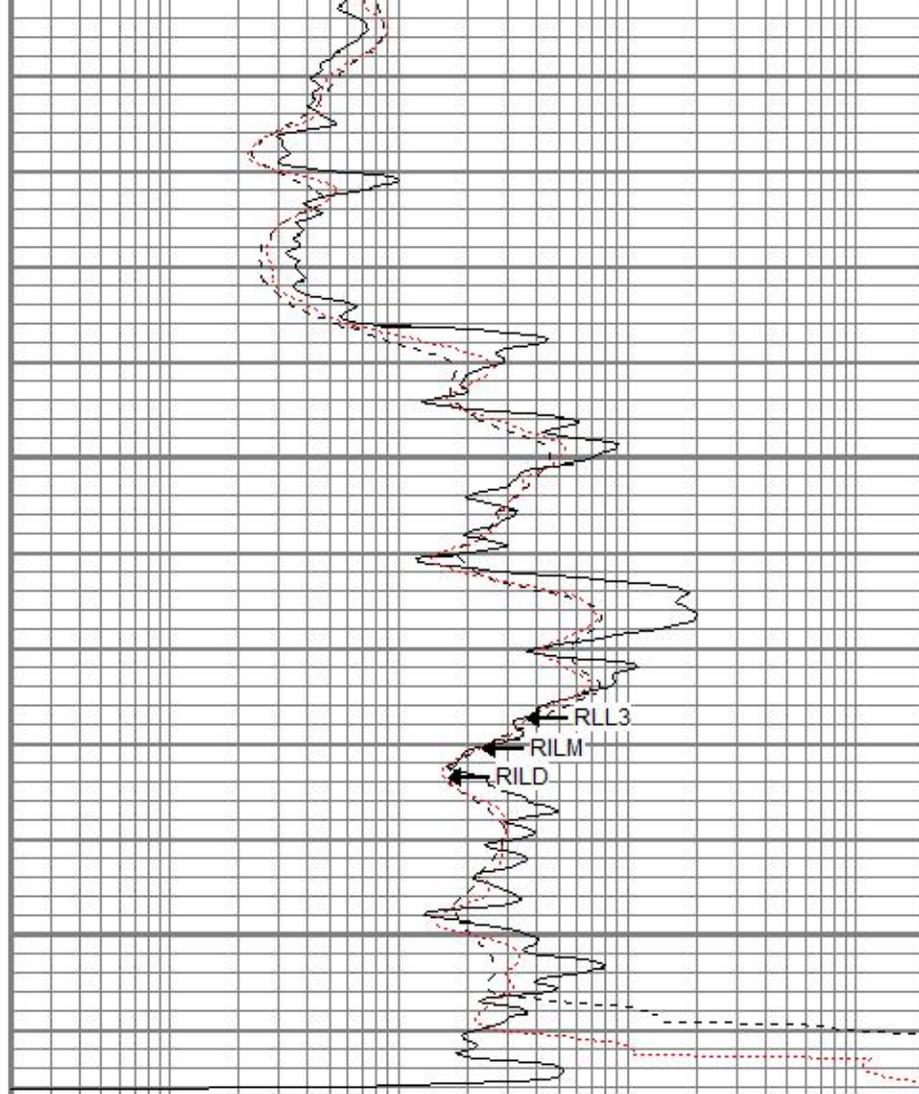
3800

← GR

← SP

3850

0	GR (GAPI)	150
-100	SP (mV)	100



← RLL3

← RILM

← RILD

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000

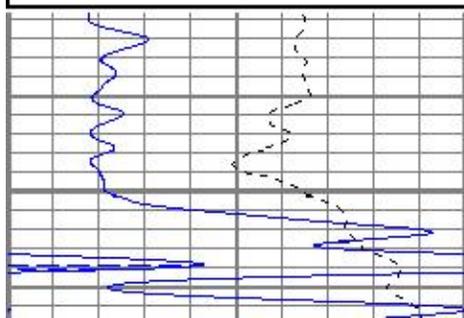


Repeat Section

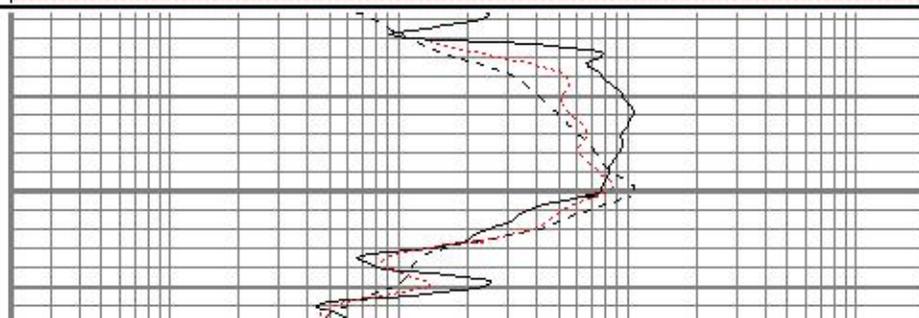
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 Dataset Pathname pass2.2
 Presentation Format kdil
 Dataset Creation Sat Apr 15 15:29:23 2017
 Charted by Depth in Feet scaled 1:240

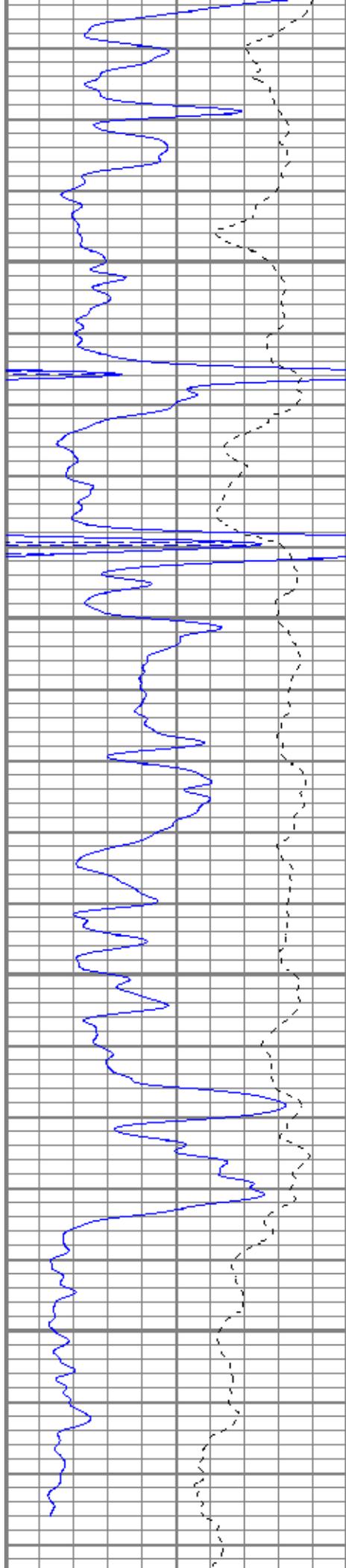
0	GR (GAPI)	150
-100	SP (mV)	100

0.2	RILD (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
0.2	RILM (Ohm-m)	2000



3600



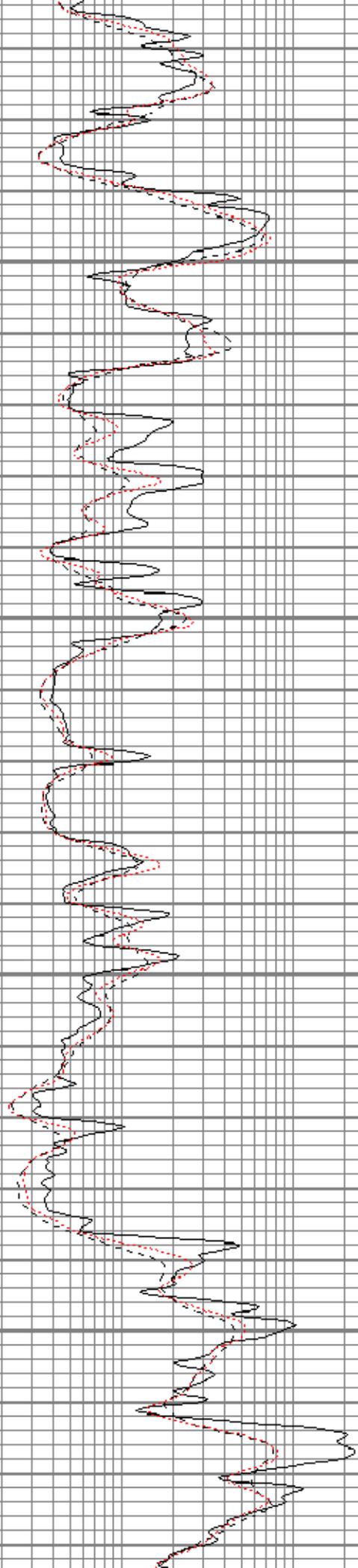


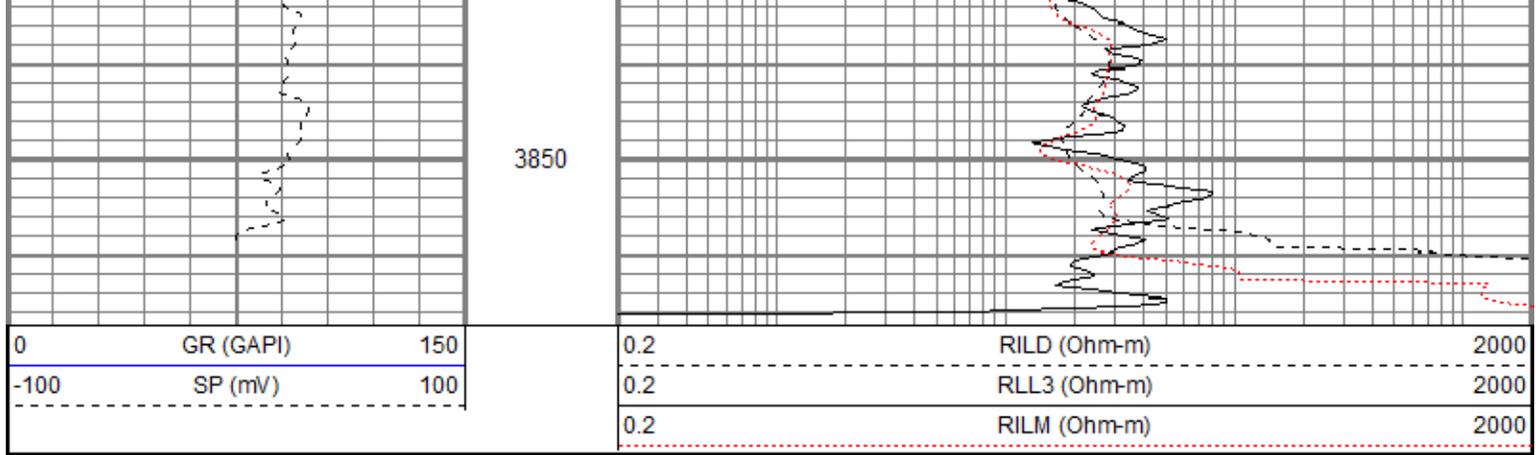
3650

3700

3750

3800





Calibration Report	
Database File	aowilliamhinman7oh.db
Dataset Pathname	pass3.2
Dataset Creation	Sat Apr 15 14:58:57 2017

Dual Induction Calibration Report	
Serial-Model:	1989-ADM
Surface Cal Performed:	Fri Dec 09 04:19:59 2016
Downhole Cal Performed:	Fri Dec 09 04:20:05 2016
After Survey Verification Performed:	Fri Dec 09 04:20:08 2016

Surface Calibration									
		Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.002	0.656	V	0.000	350.000	mmho/m	535.560	-1.118	
Medium	0.003	0.745	V	0.000	400.000	mmho/m	538.828	-1.427	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.002	0.656	V	0.000	350.000	mmho/m	535.220	-1.003	
Medium	0.003	0.745	V	0.000	550.000	mmho/m	741.357	-2.036	

Downhole Calibration									
		Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	-0.036	349.993	mmho/m	-0.114	350.108	mmho/m	1.001	-0.078	
Medium	0.039	400.181	mmho/m	0.053	399.799	mmho/m	0.999	0.013	
Shallow	2.503	0.015	V	500.000	2.000	Ohm-m	180.177	-2.046	

After Survey Verification									
		Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'	
Deep	0.000	0.000	mmho/m	-0.036	349.993	mmho/m	1.001	-0.078	
Medium	0.000	0.000	mmho/m	0.039	400.181	mmho/m	0.999	0.013	
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000	

Neutron Calibration Report	
Serial Number:	Admyr
Tool Model:	G
Performed:	Thu Mar 09 09:56:12 2017
Calibrator Value:	1 NAPI

Calibrator Reading: 1 cps
 Sensitivity: 1 NAPI/cps

Gamma Ray Calibration Report

Serial Number: 1
 Tool Model: A
 Performed: Thu Mar 09 09:56:15 2017
 Calibrator Value: 1.0 GAPI
 Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps
 Sensitivity: 0.7000 GAPI/cps

Temperature Calibration Report

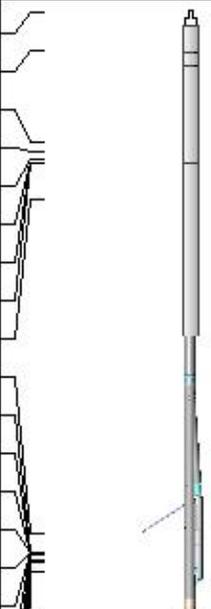
Serial Number: 1
 Tool Model: A
 Performed: Sat Apr 09 21:14:20 2016

	Reference	Reading
Low Reference:	0.00 degF	0.00 degF
High Reference:	32.00 degF	32.00 degF
Gain:	1.00	
Offset:	0.00	
Delta Spacing	1	

Inclinometer Calibration Report

Performed: Thu Mar 09 10:44:26 2017

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
PSTAT	39.60		CHD-STD	0.50	1.69	1.00
GR	38.32		ADT1PULSE-A (1)	0.83	3.50	10.00
TEMP	35.35		Pulsed Interface Tool #1			
ASTAT	35.06		ADT1ADC-A (1)	0.83	3.50	10.00
GRD	34.81		Analog Interface #1			
ACCY	34.65		ADT1SENSORS-A (1)	4.54	3.50	10.00
ACCX	34.65		NEU-G (Admyr)	5.65	3.50	85.00
SSTAT	34.65		Gearhart Epithermal			
NEU	33.46					
LStat	22.54					
LS8	21.88					
LS7	21.88					
LS6	21.88		ADT1LITH-A (1)	9.29	3.50	240.00
LS5	21.88		Admyr Litho Density Tool			
LS4	21.88					
LS3	21.88					

LS2	21.88					
LS1	21.88					
LSV	21.88					
LSD	21.86					
SSV	21.67					
SS8	21.67					
SS7	21.67					
SS6	21.67					
SS5	21.67		DIL-ADM (1989) Dual Induction	19.71	4.00	300.00
SS4	21.67					
SS3	21.67					
SS2	21.67					
SS1	21.67					
DCAL	21.61					
SSD	21.27					
SP	10.60					
CILD	10.60					
CILM	6.89	Dataset:	aowilliamhinman7oh.db: field/well/run1/pass3.2			
RLL3	1.70	Total length:	39.69 ft			
TR_Mon	0.00	Total weight:	656.00 lb			
		O.D.:	4.00 in			