



**RADIAL BOND GAMMA RAY
CCL-TEMP**

Company ANTERO RESOURCES
Well MILO 1H
Field CANTON
Country DODDRIDGE
State WV. **Country** USA.

Company ANTERO RESOURCES
Well MILO 1H
Field CANTON
County DODDRIDGE
State WV. **Country** USA.

Location: API #: 47017062700000 **Other Services**
SEC TWP RGE
Permanent Datum G.L. **Elevation** 1306'
Log Measured From K.B.23' **K.B.** 1329'
Drilling Measured From K.B.23' **D.F.** 1328'
GL 1306'

Date	11-8-14						
Run Number	ONE						
Depth Driller							
Depth Logger	7550'						
Bottom Logged Interval	7549'						
Top Log Interval	SURFACE						
Open Hole Size	WATER						
Type Fluid	WATER						
Density / Viscosity							
Max. Recorded Temp.	126						
Estimated Cement Top	SURFACE						
Time Well Ready	12-15						
Time Logger on Bottom	13:00						
Equipment Number	5982						
Location	CLARKSBURG, WV.						
Recorded By	E.BUTCHER						
Witnessed By	W.MARTINEZ						
Borehole Record			Tubing Record				
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size	Wd/Ft	Top			Bottom	
Surface String							
Prot. String							
Production String	5.5"	20 LBS.	SURFACE			14.446'	
Liner							

>>> Fold Here >>>

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

THANK YOU FOR USING STRC OILFIELD TECHNOLOGIES
LOG MEASURED FROM K.B.23'

Calibration Report

Database File: milo1h.db
Dataset Pathname: pass4
Dataset Creation: Sat Nov 08 13:00:12 2014 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number: 275
Tool Model: Probe
Performed: Wed Aug 27 17:14:40 2014
Calibrator Value: 1.0 GAPI
Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps
Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1404-143_5.5INCH
Tool Model: Probe275T
Calibration Casing Diameter: 5.500 in
Calibration Depth: 2787.000 ft

Master Calibration, performed Sat Nov 08 10:01:57 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.013	0.974	1.000	71.921	71.795	0.046
CAL	0.011	0.010				
5'	0.012	0.927	1.000	71.921	77.469	0.099
SUM						
S1	0.016	1.074	0.000	100.000	94.518	-1.556
S2	0.010	1.067	0.000	100.000	94.644	-0.980
S3	0.010	0.246	0.000	100.000	423.534	-4.100
S4	0.010	1.021	0.000	100.000	98.977	-1.028
S5	0.009	1.079	0.000	100.000	93.485	-0.839
S6	0.009	1.148	0.000	100.000	87.753	-0.762
S7	0.008	1.193	0.000	100.000	84.445	-0.709
S8	0.010	1.174	0.000	100.000	85.926	-0.892

Internal Reference Calibration, performed Fri Aug 15 18:12:35 2014:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.011	0.010	1.000	0.000

Air Zero Calibration, performed Wed Aug 27 17:44:29 2014:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	



MAIN LOG

Database File: milo1h.db
 Dataset Pathname: pass4
 Presentation Format: scbl02
 Dataset Creation: Sat Nov 08 13:00:12 2014 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

-2	CCL	2
0	GR (GAPI)	200
200	GR (GAPI)	400

0	AMP (mV)	100
0	AMPx10 (mV)	10
350	TT (usec)	250

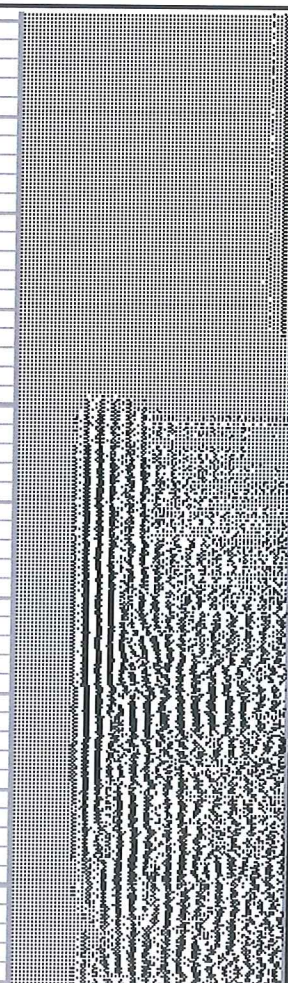
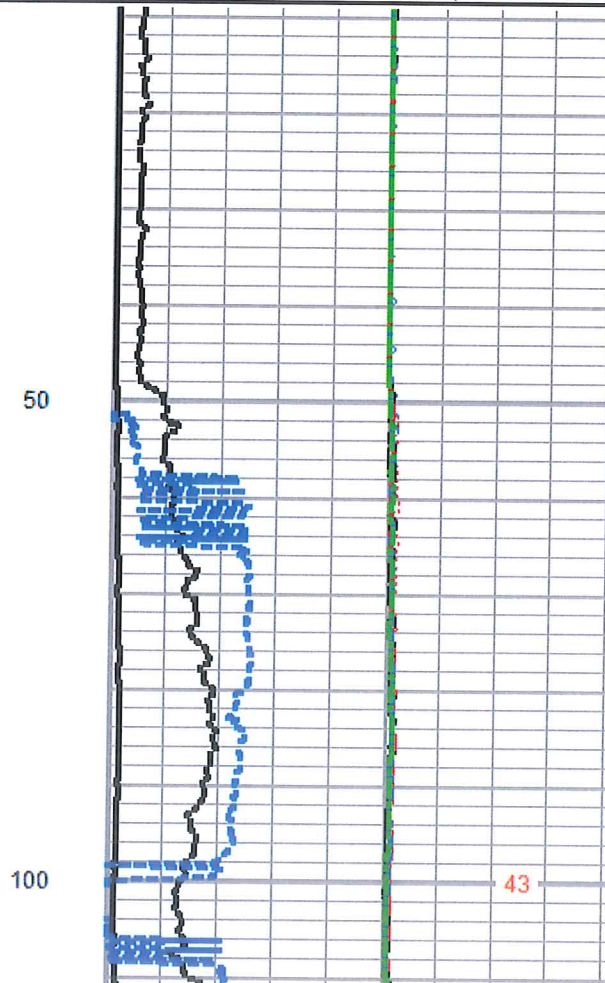
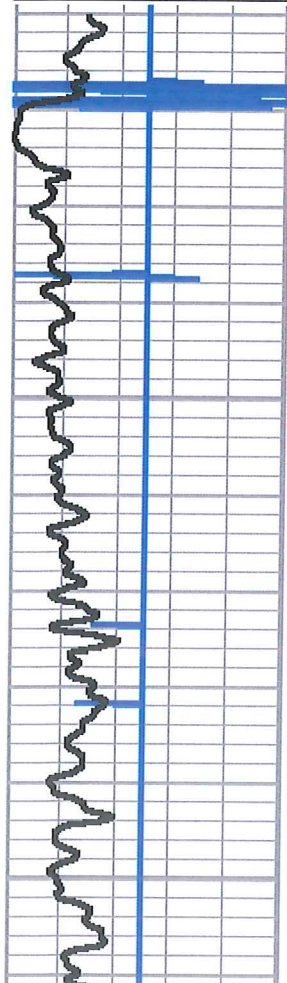
0	AMPS1	150
0	AMPS2	150
0	AMPS3	150
0	AMPS4	150
0	AMPS5	150
0	AMPS6	150
0	AMPS7	150
0	AMPS8	150

200 VDL 1200

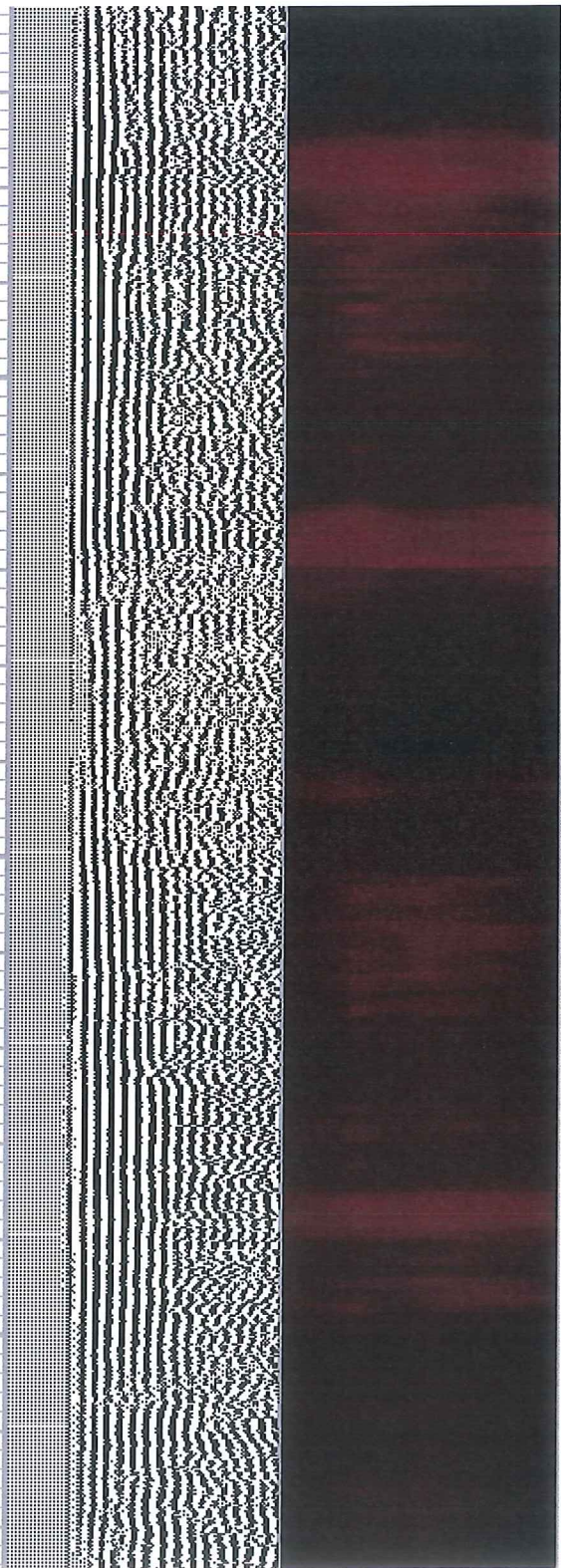
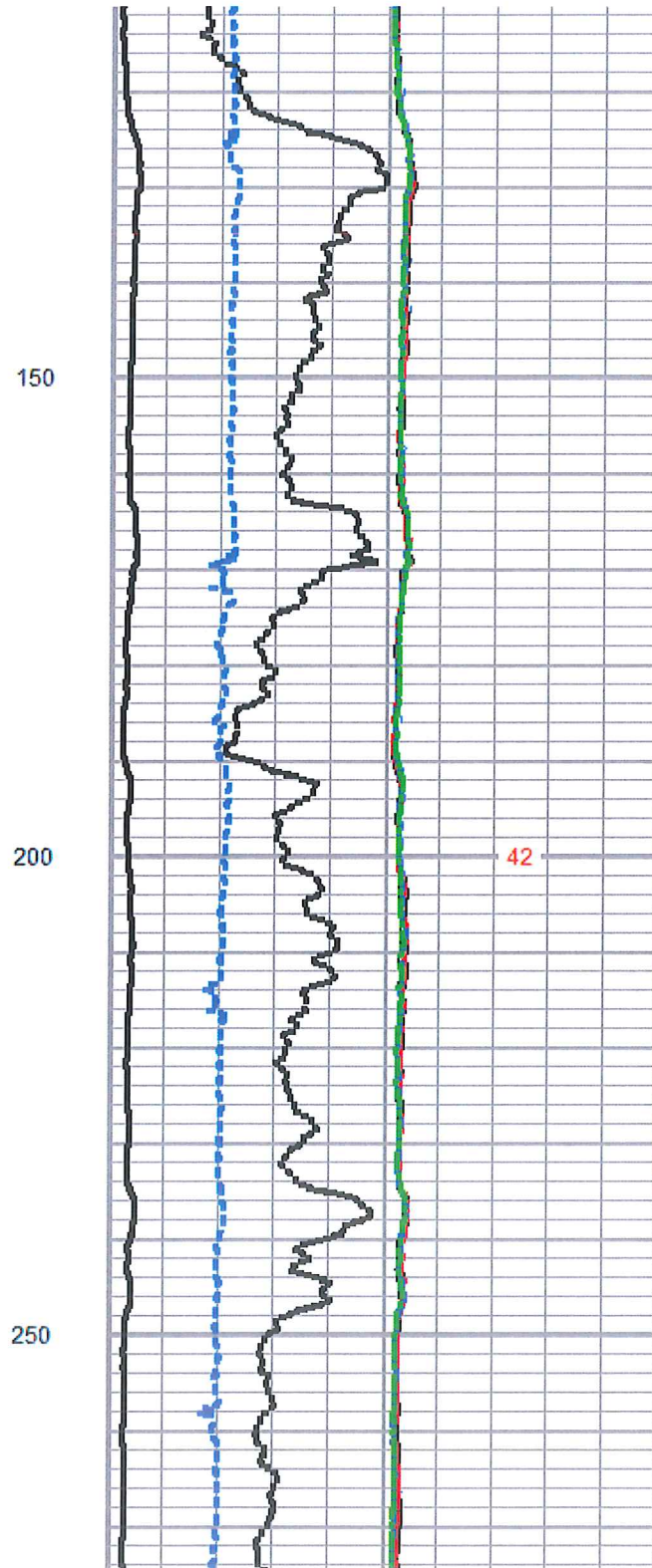
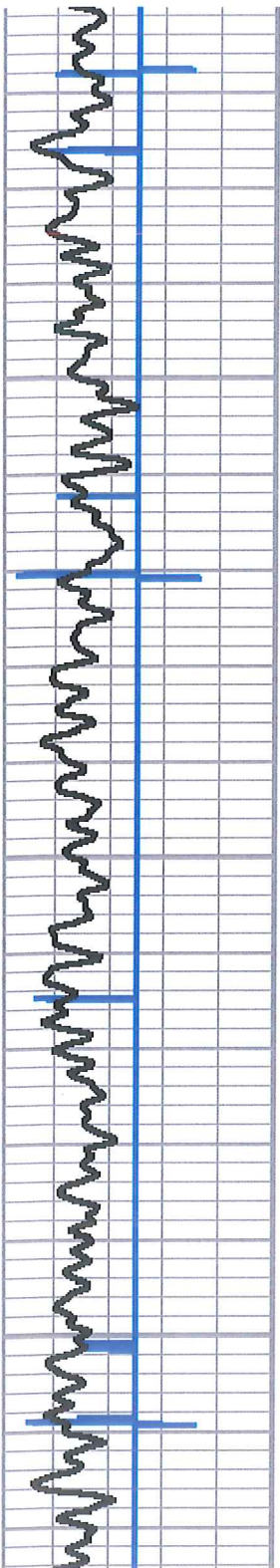
1	Cement Map	8
3		95

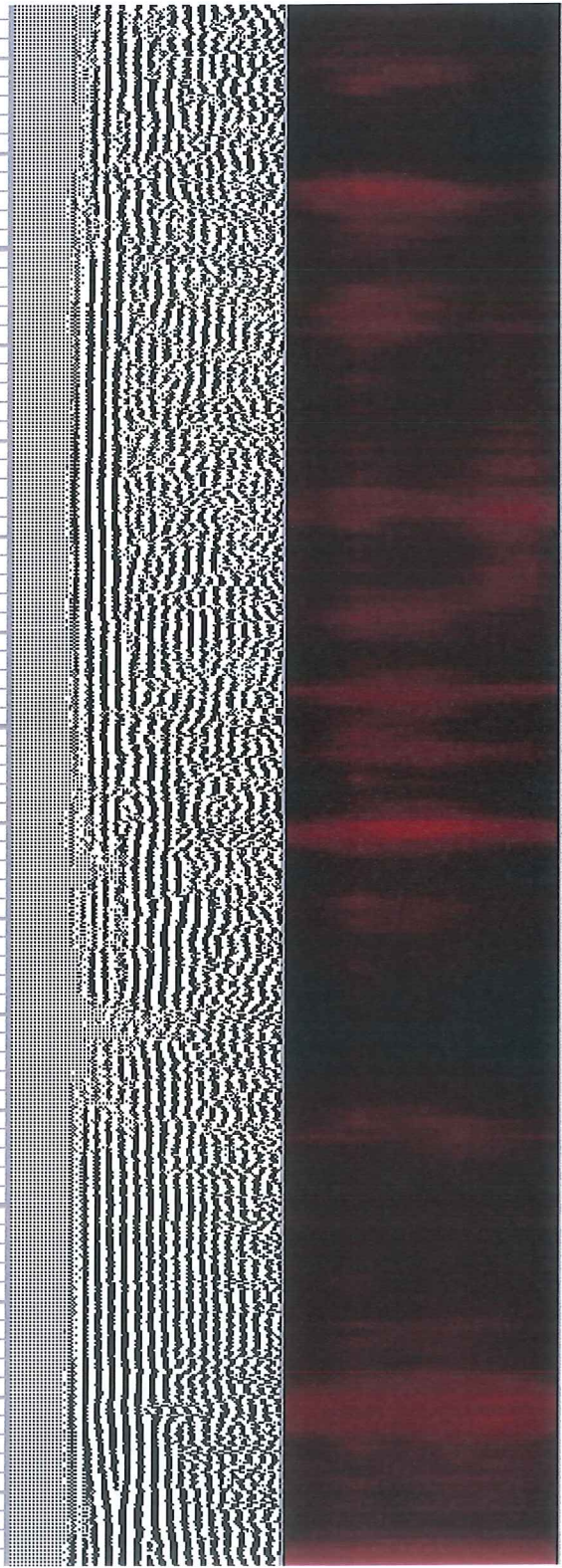
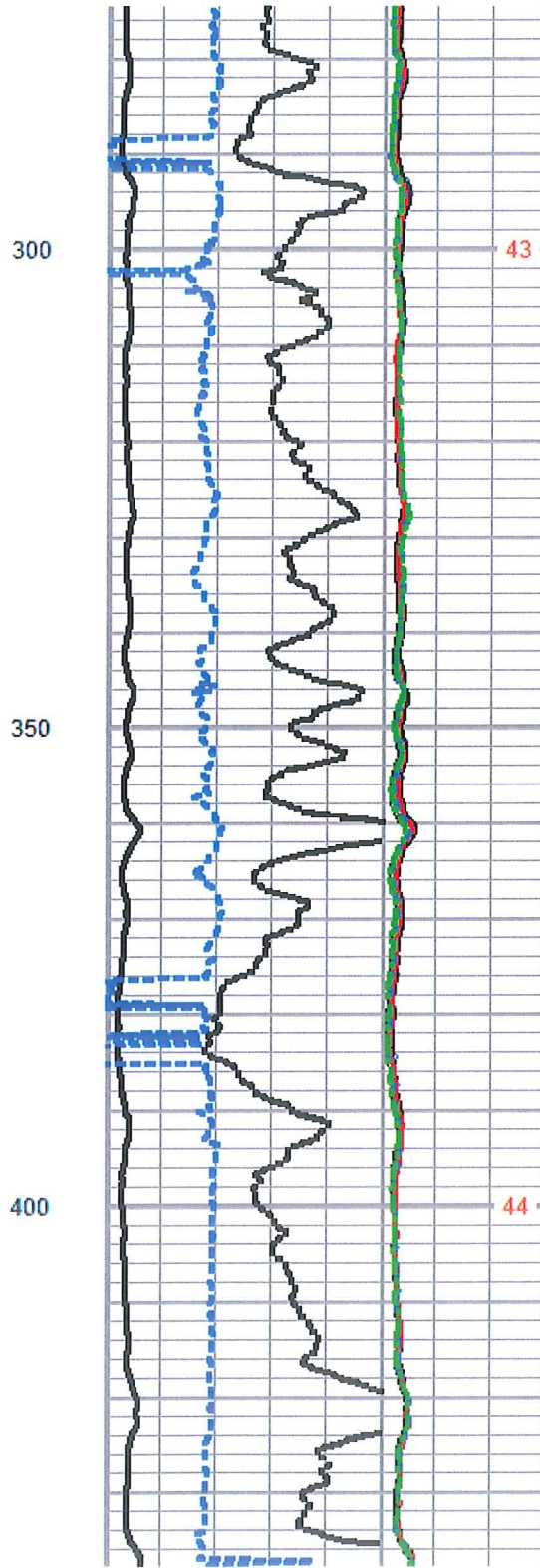
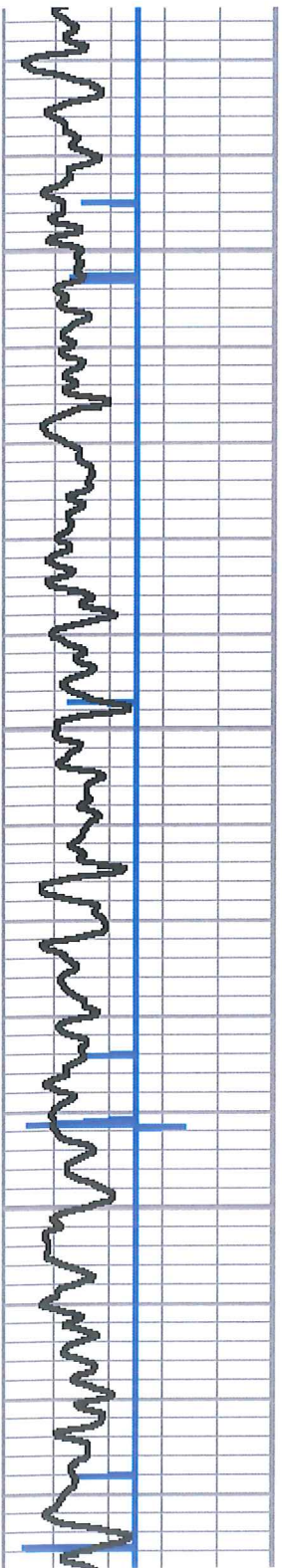


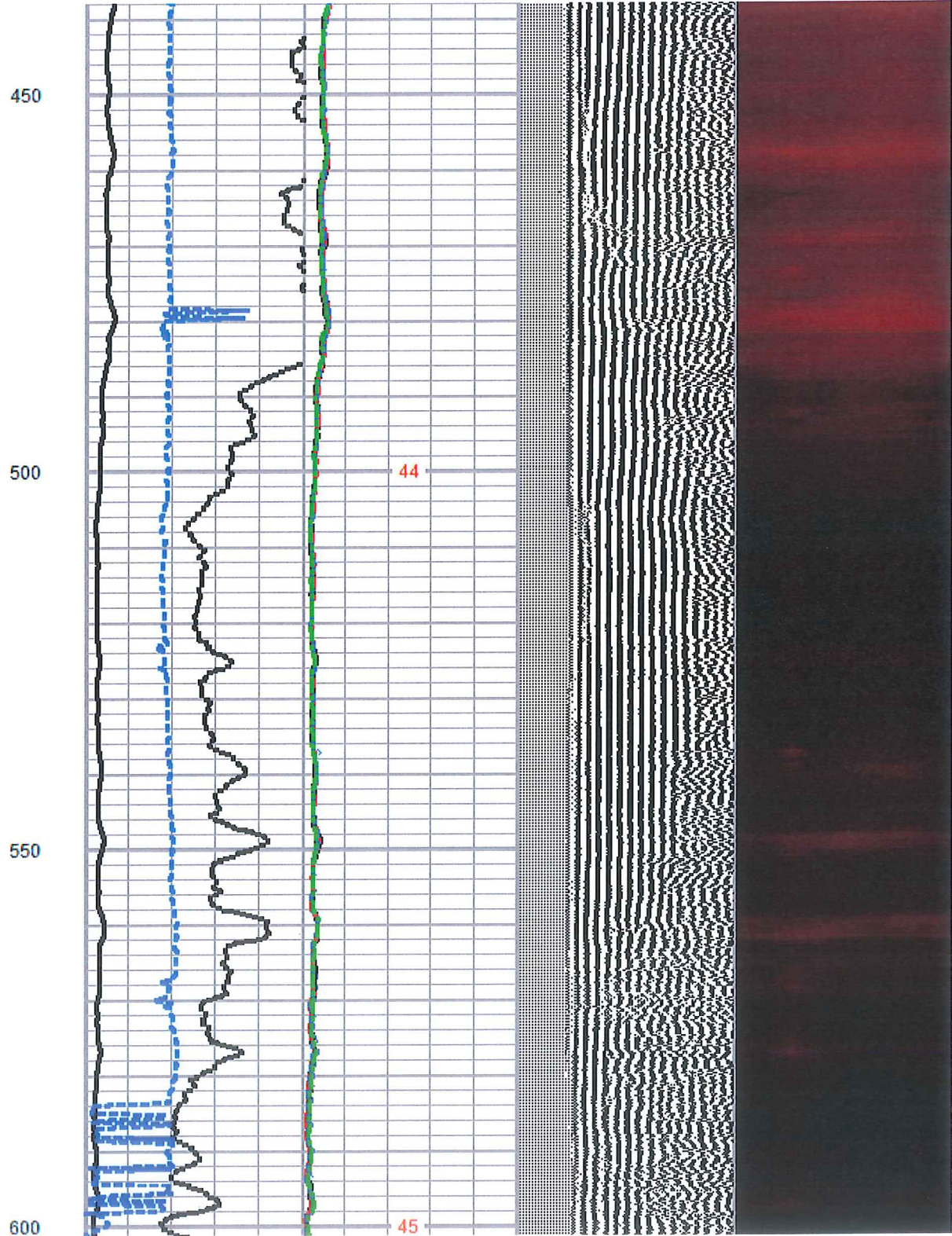
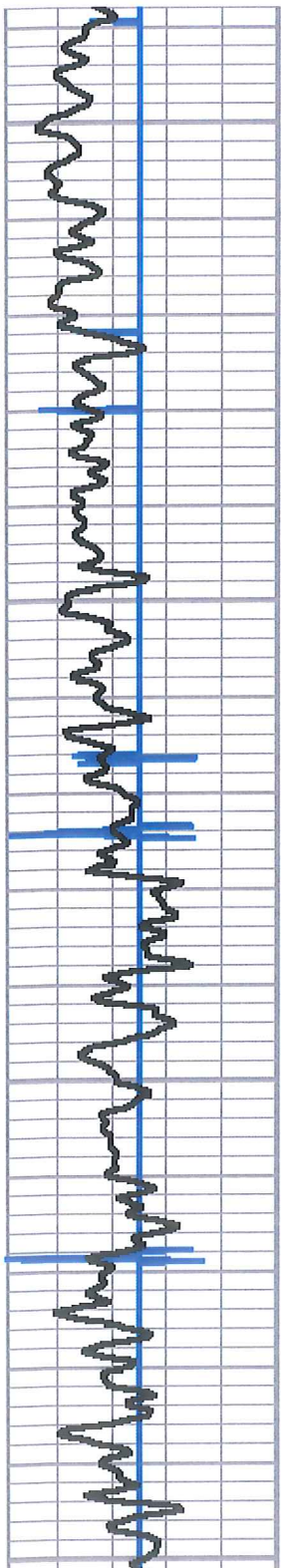
TEMP
(degF)

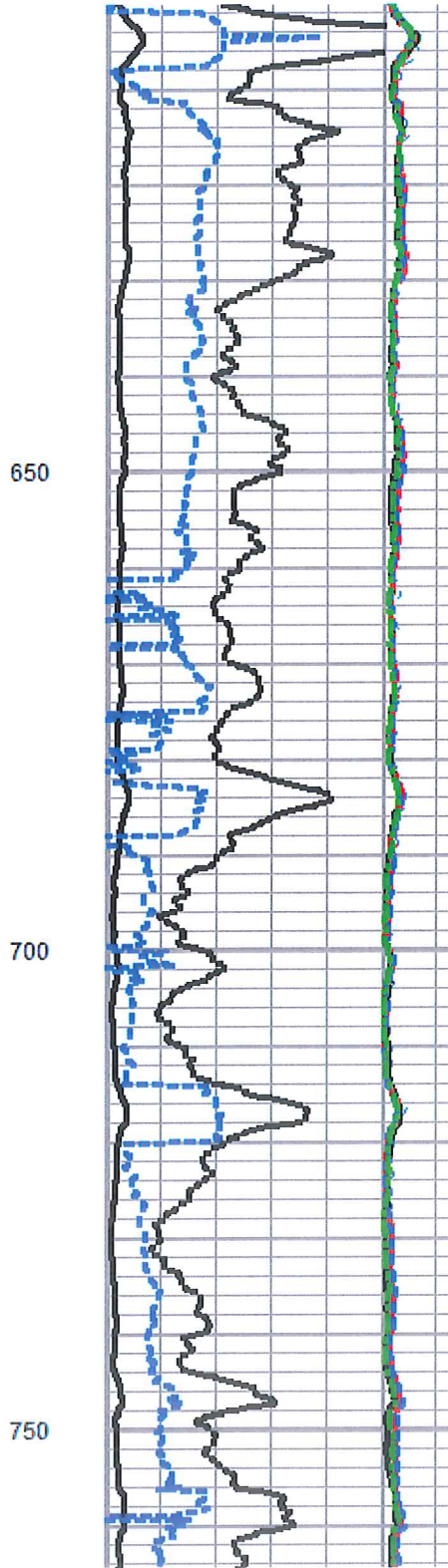
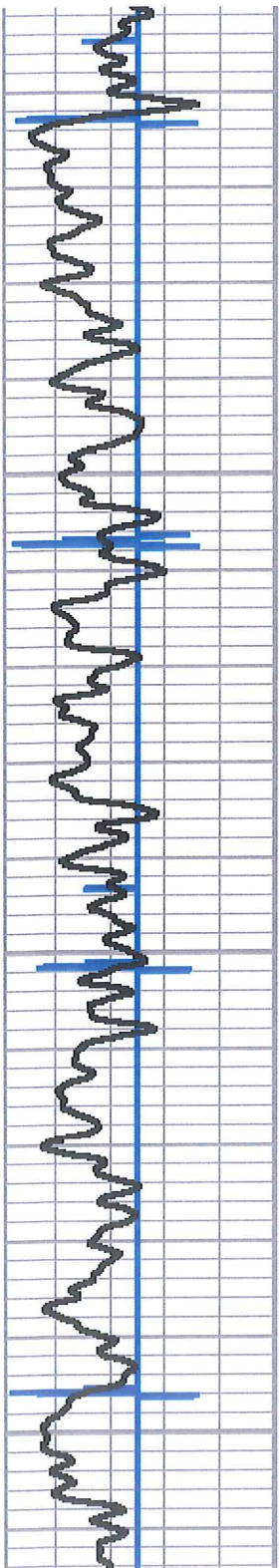


43

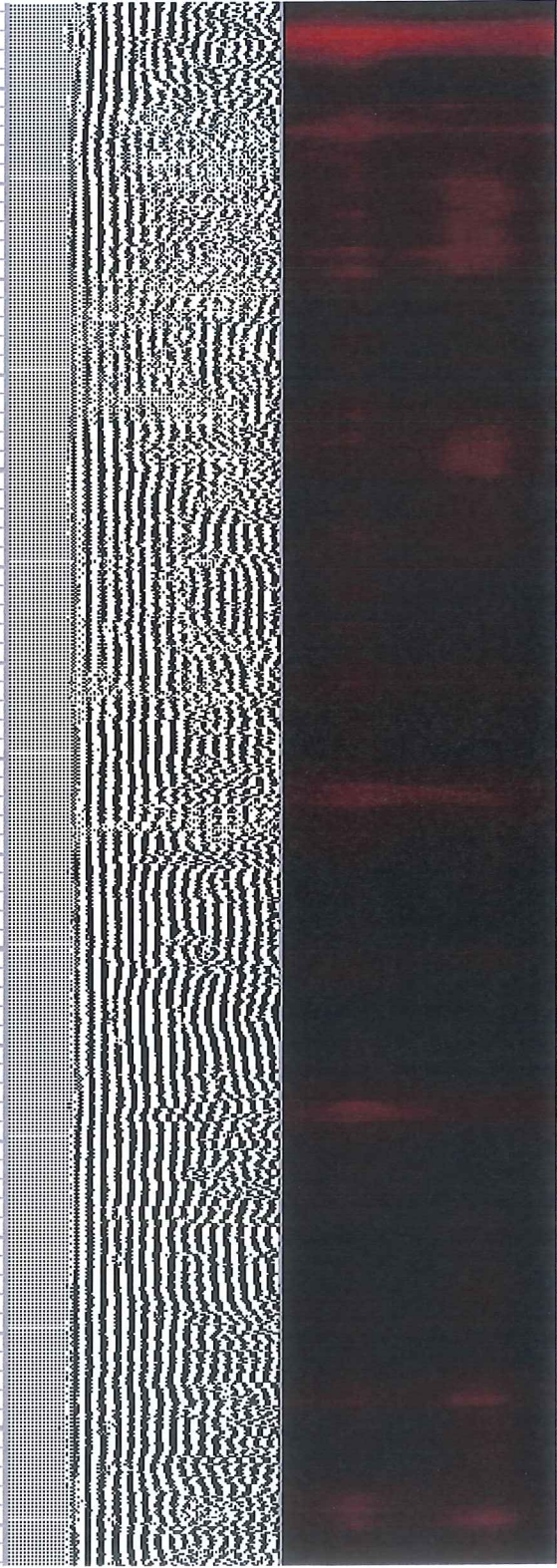


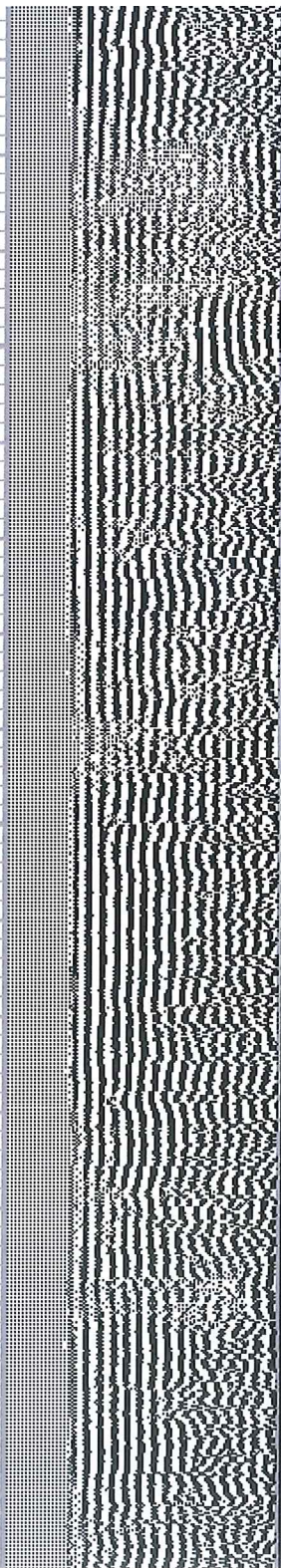
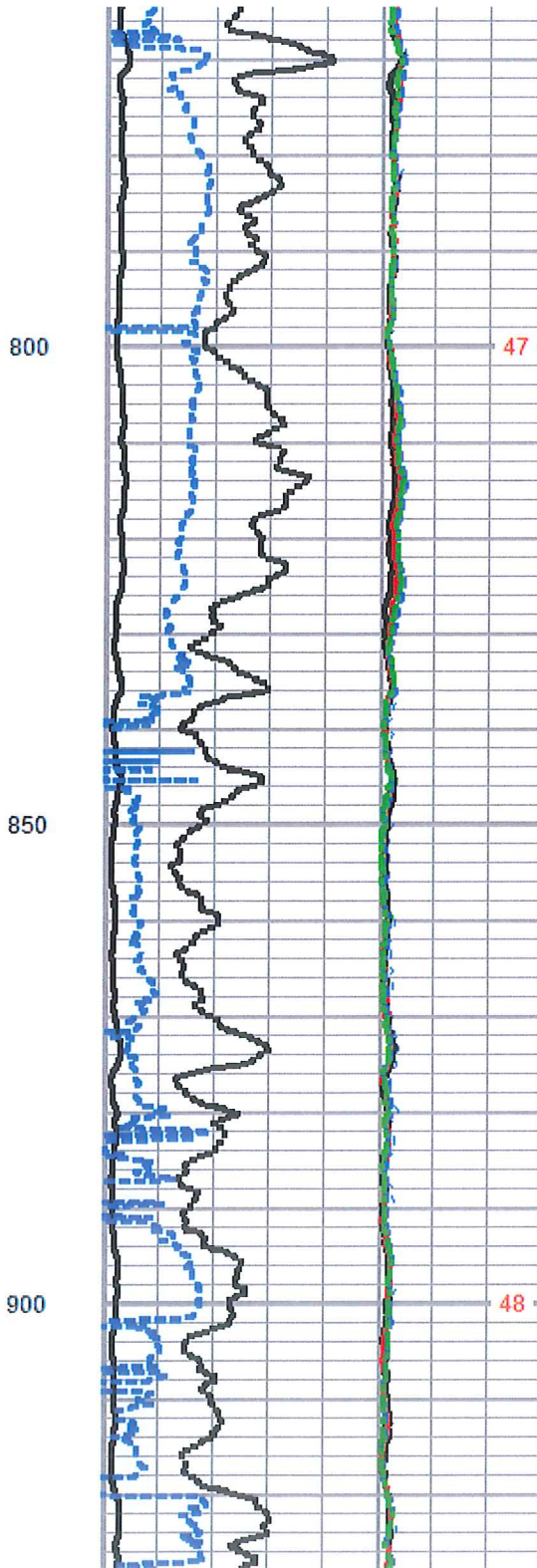
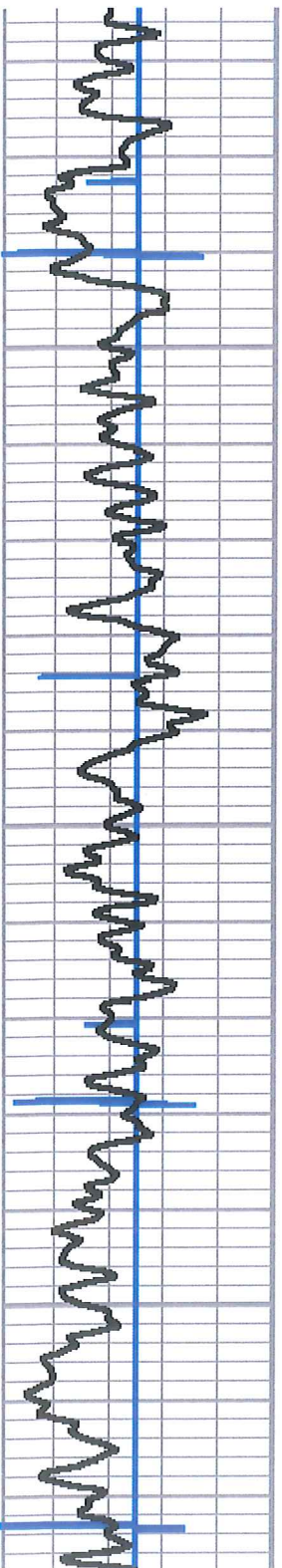


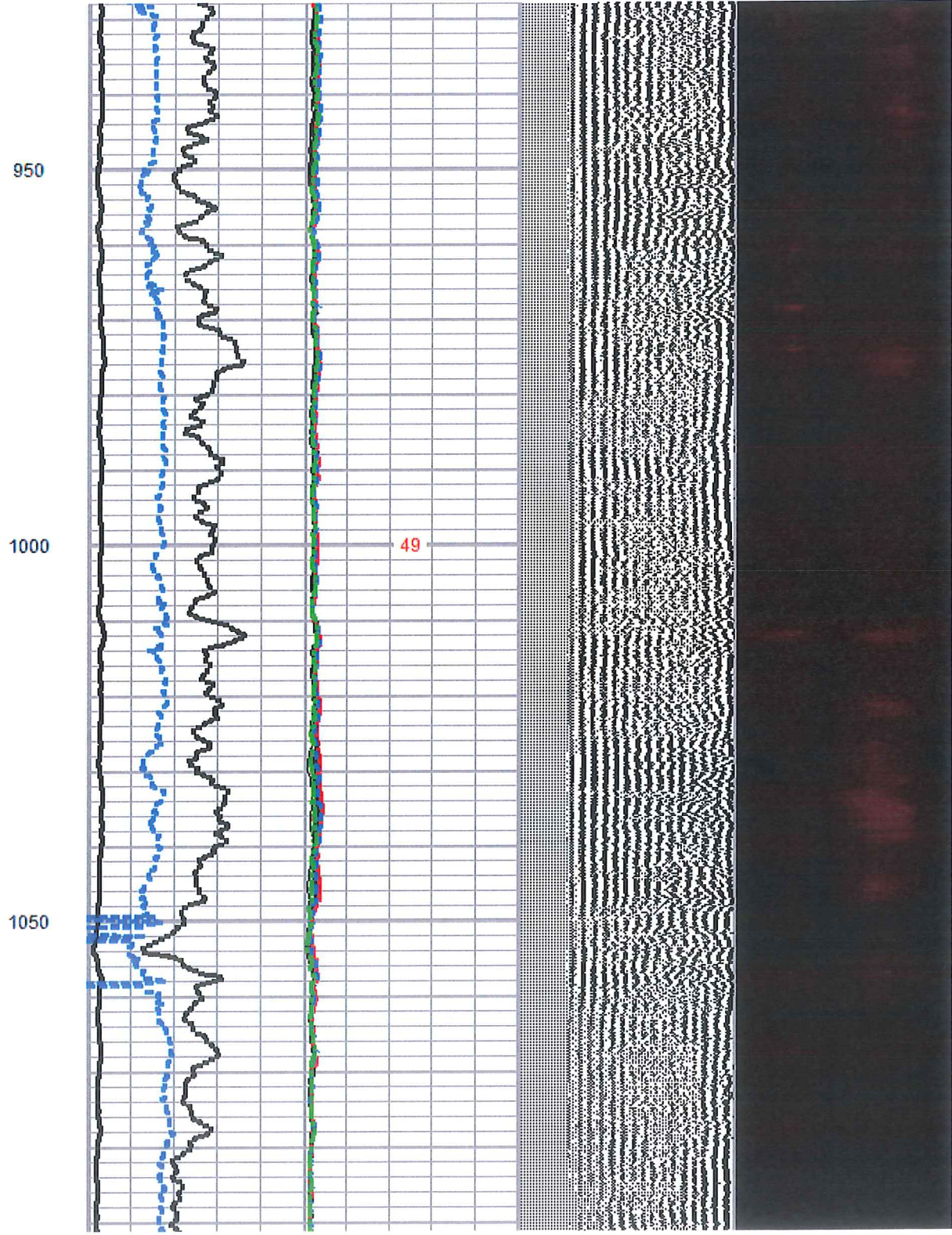
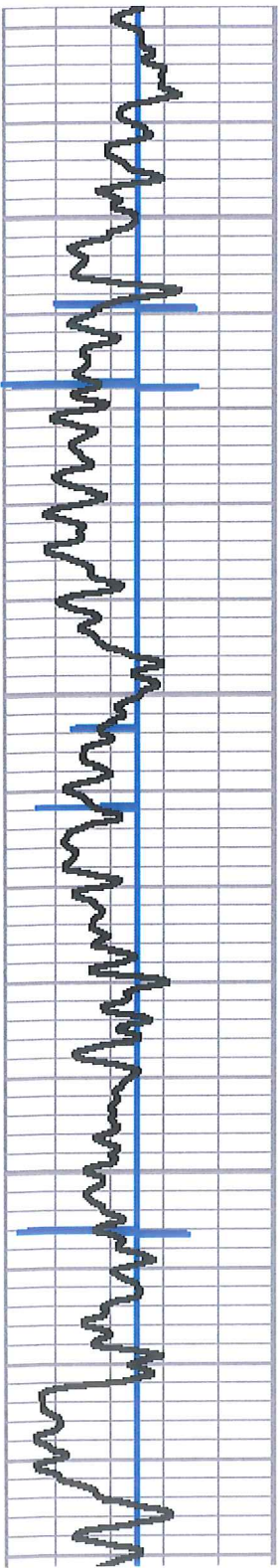


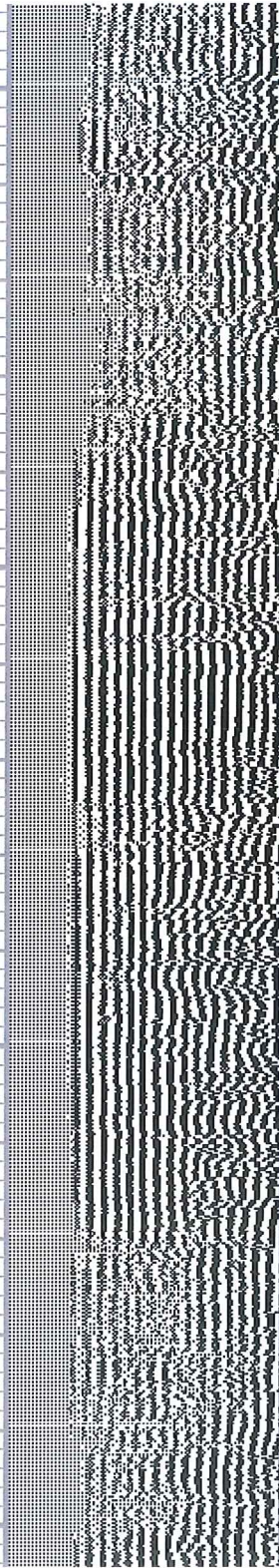
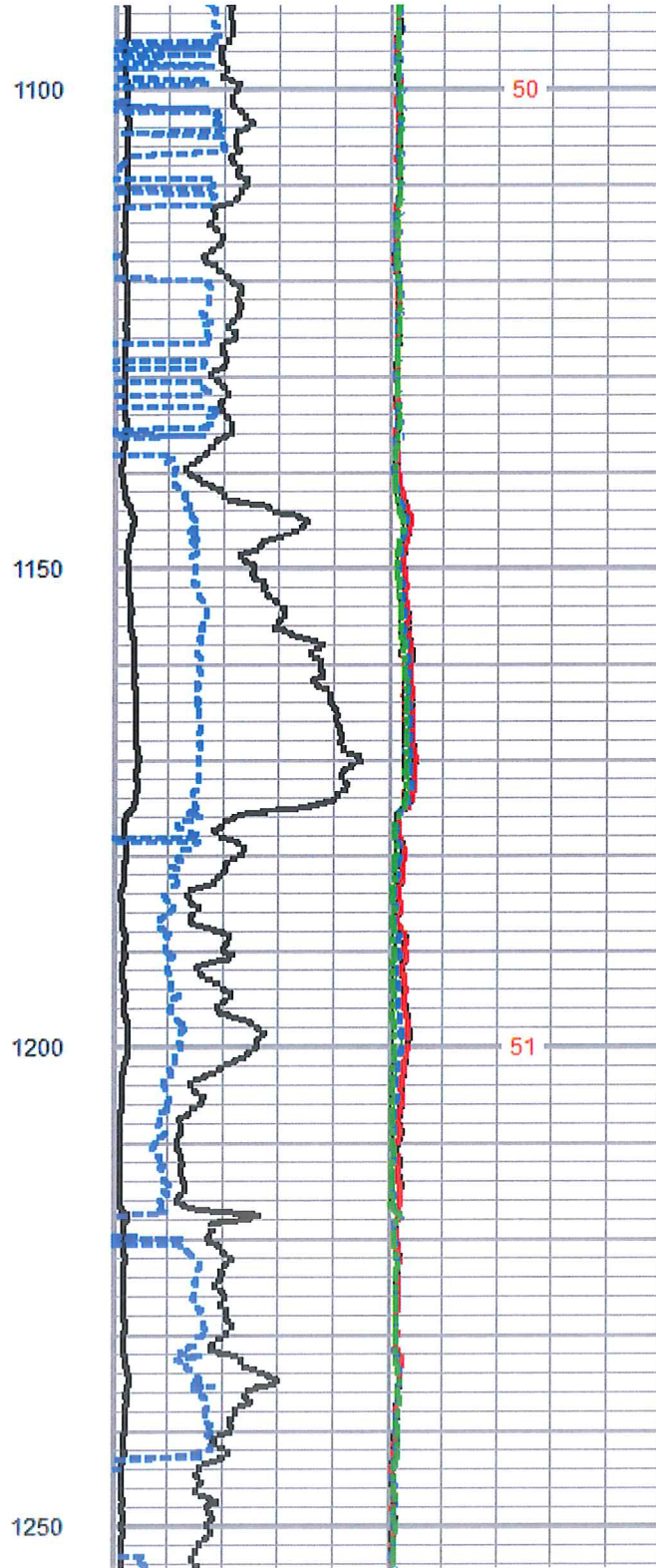
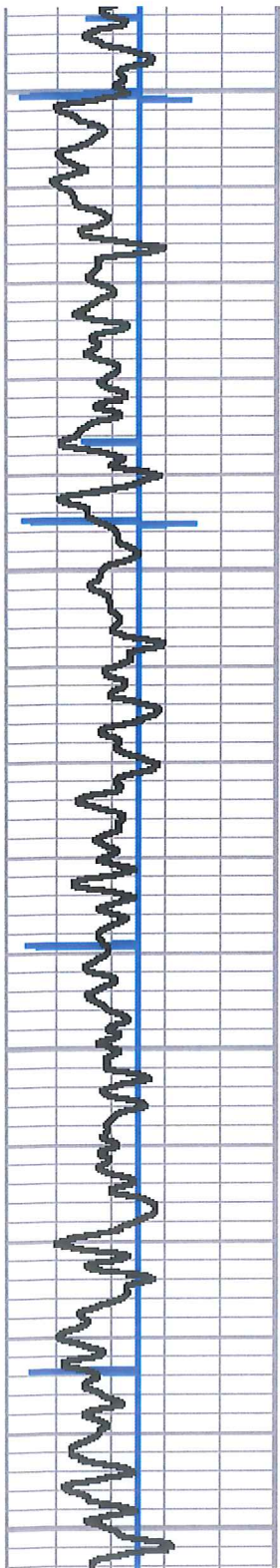


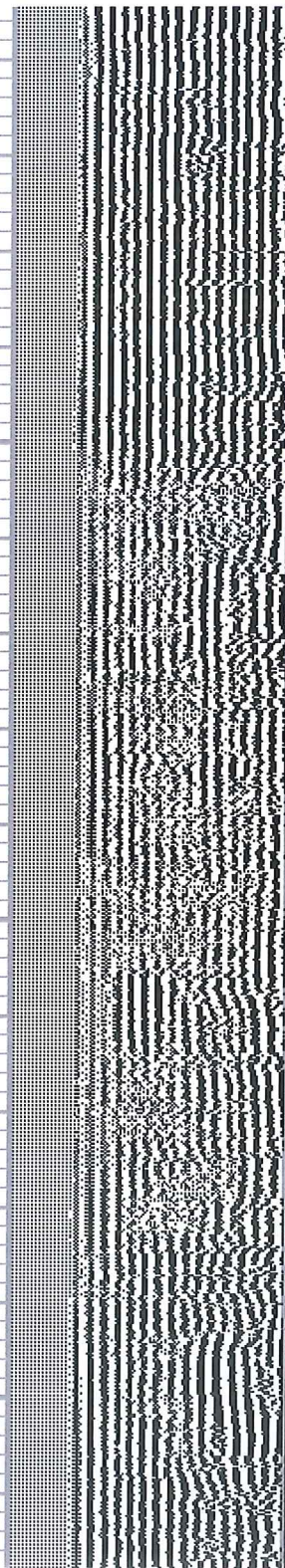
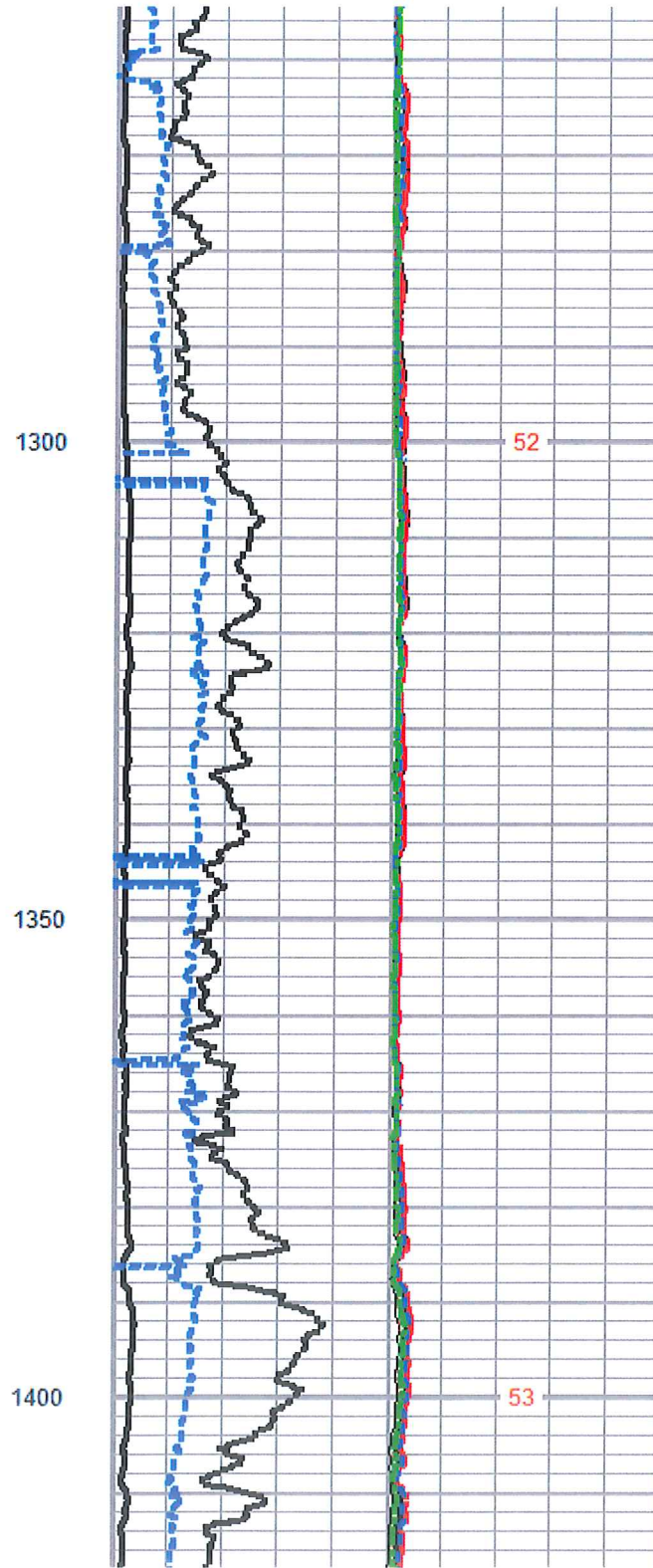
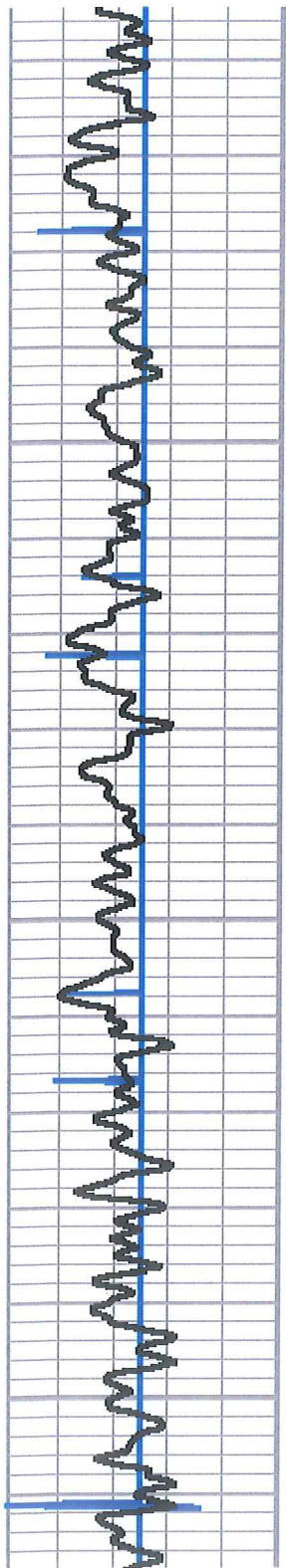
46

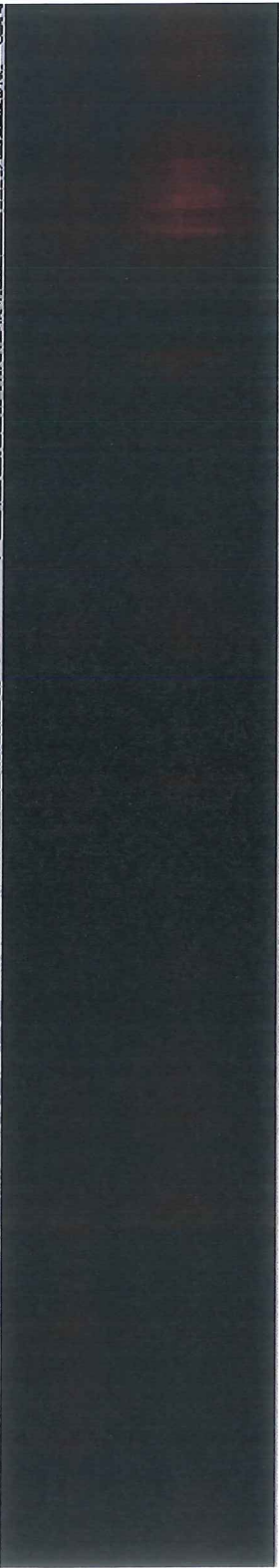
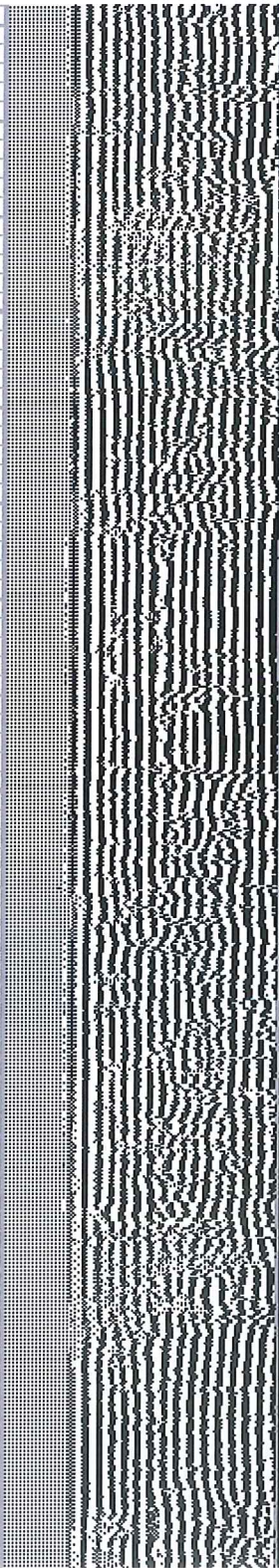
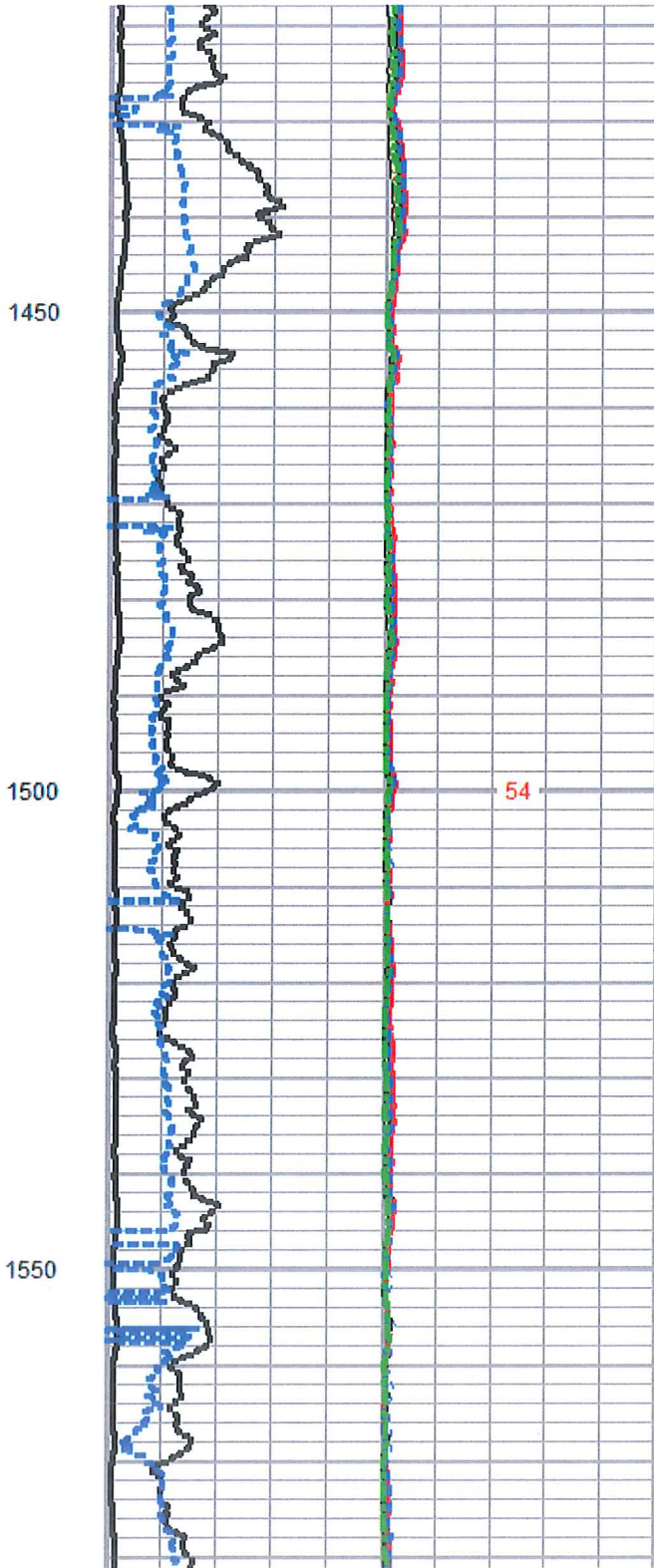
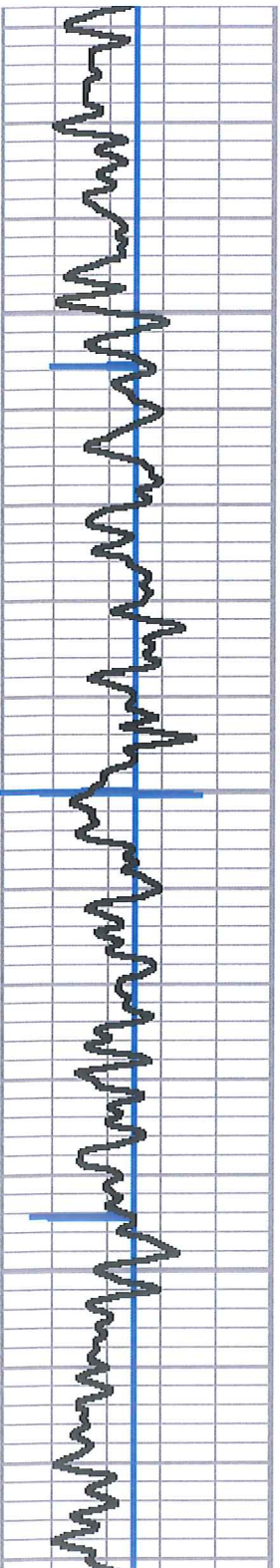


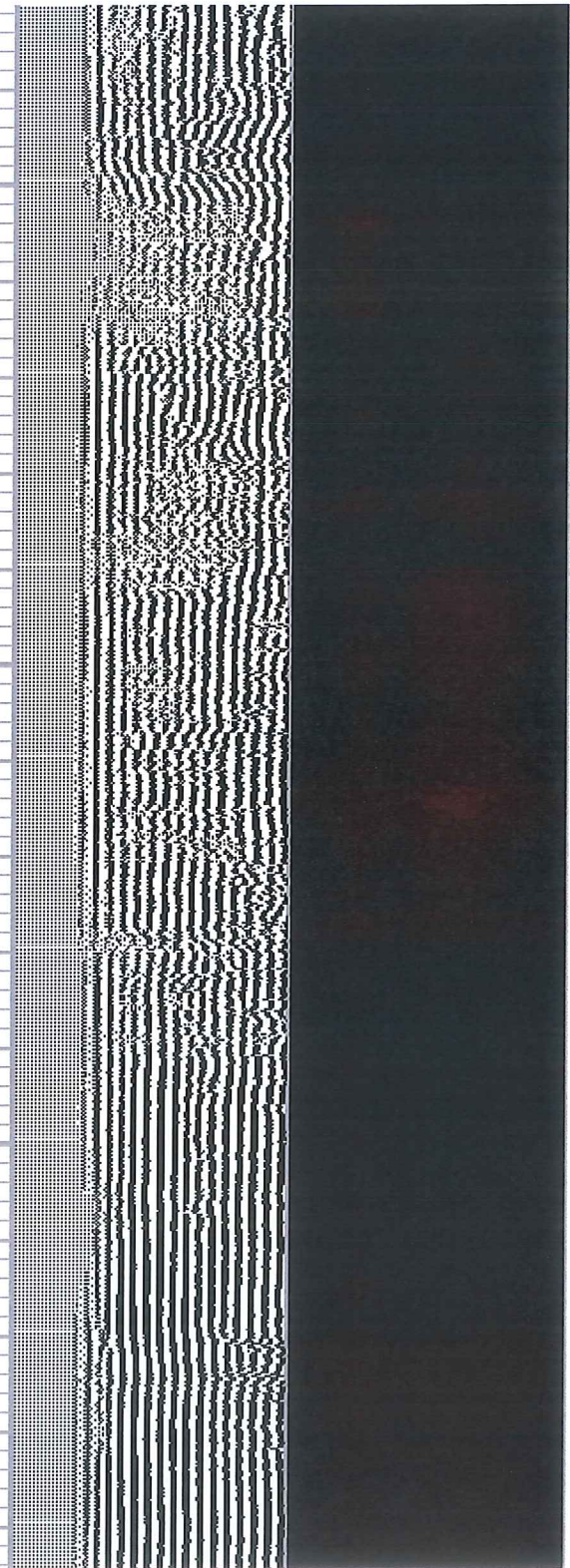
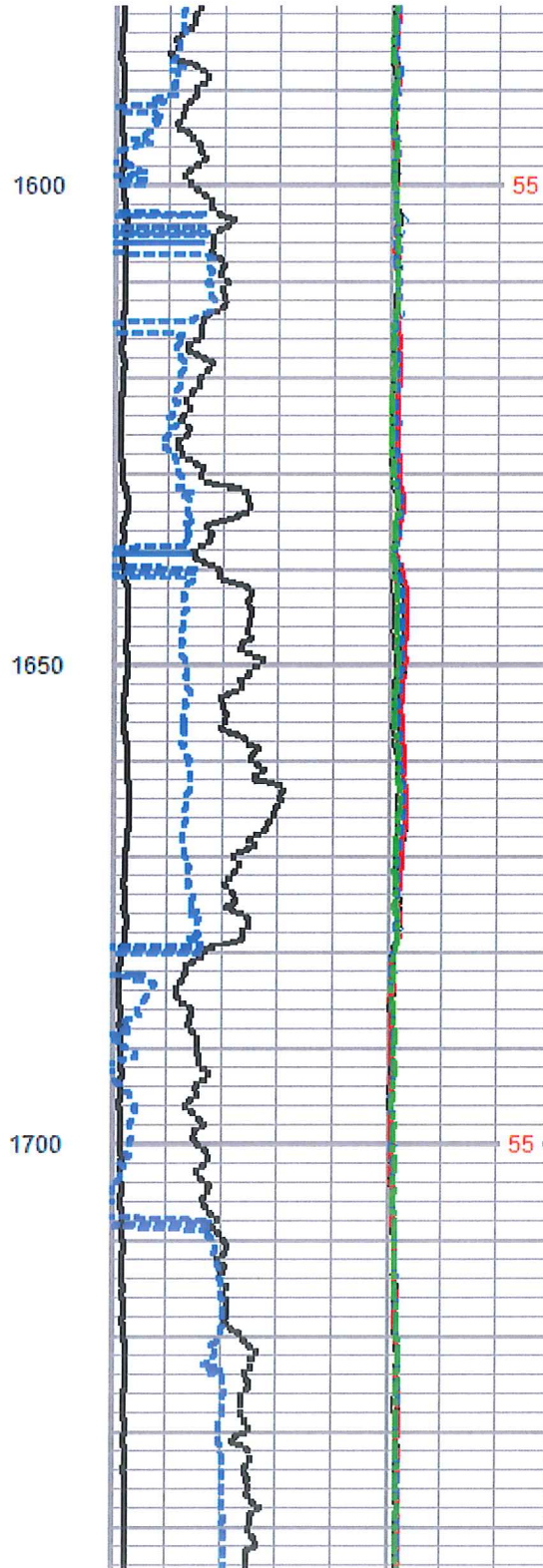
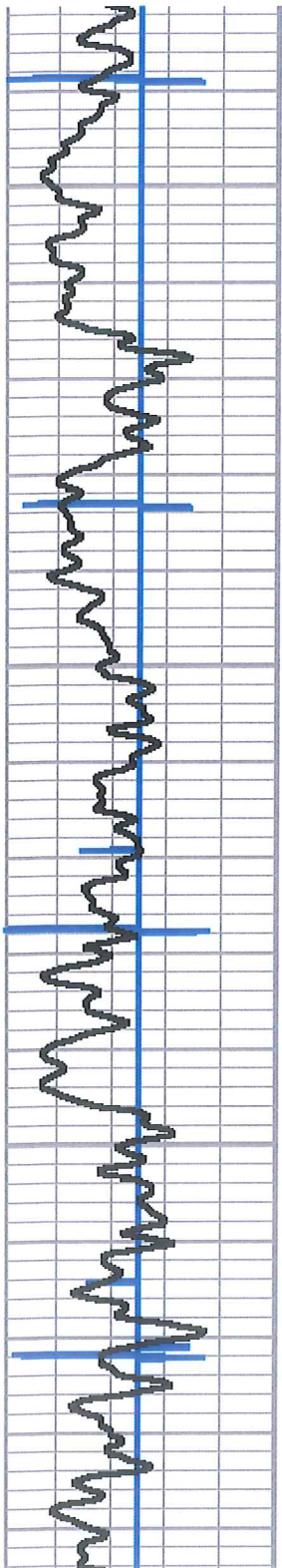


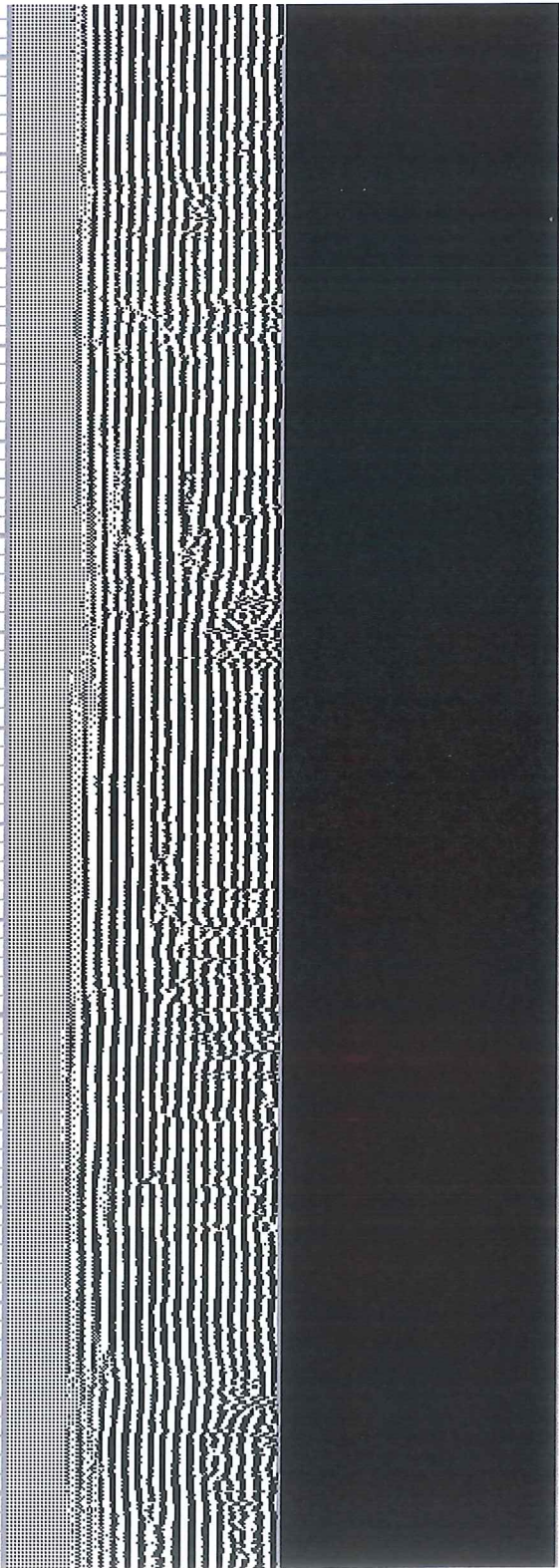
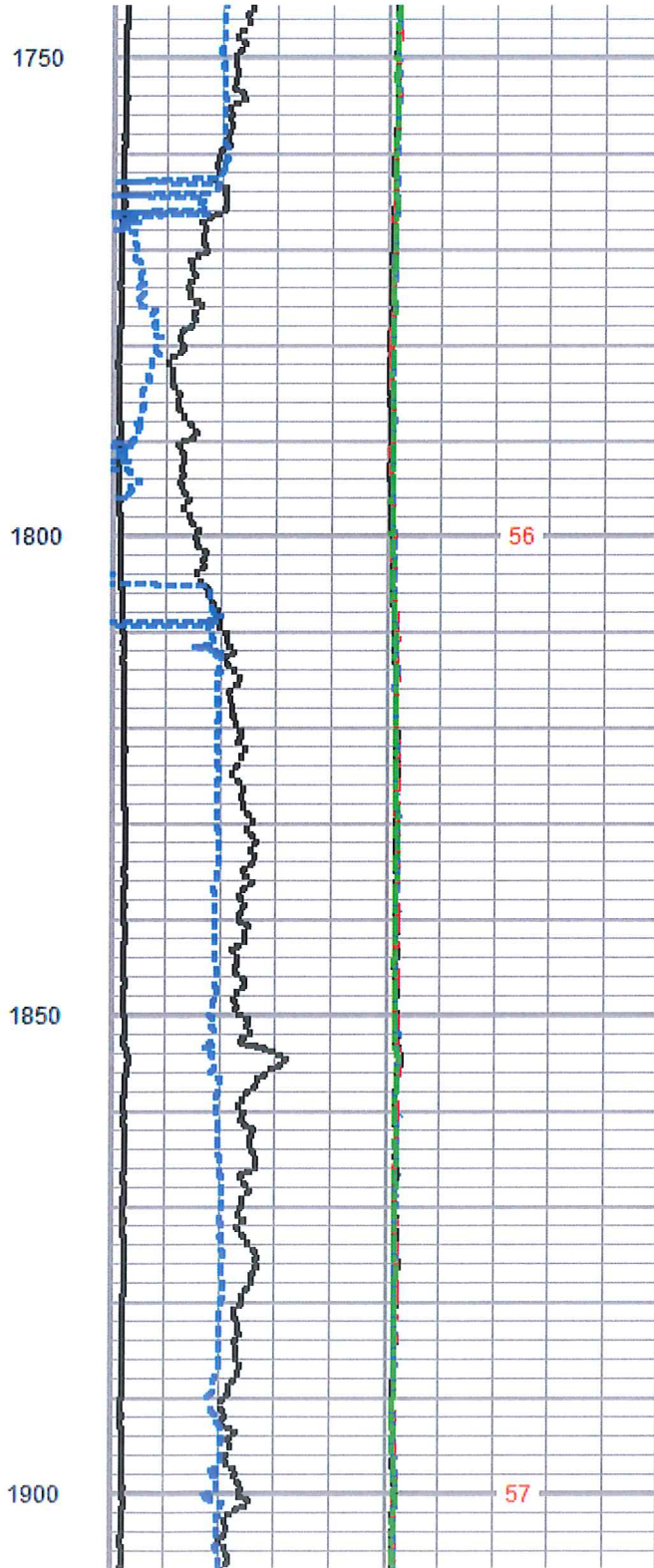
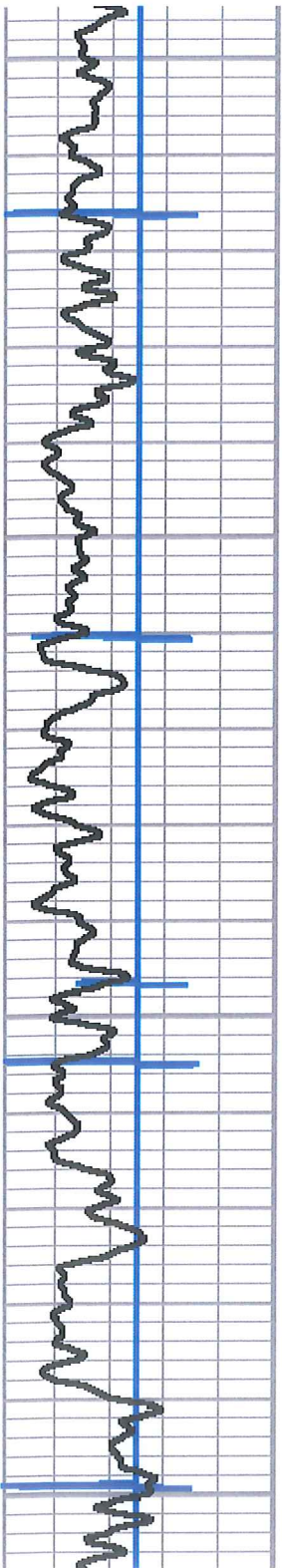


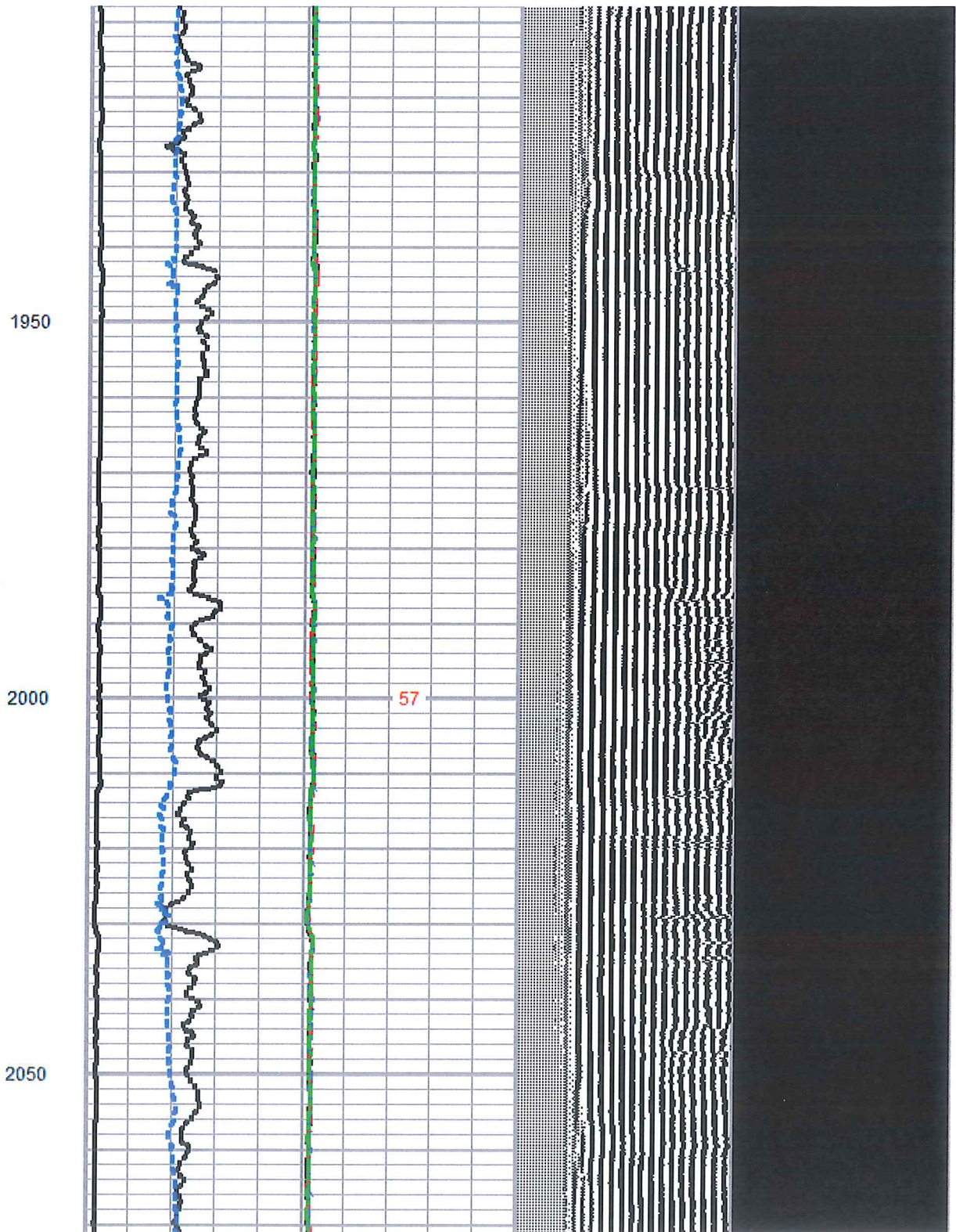
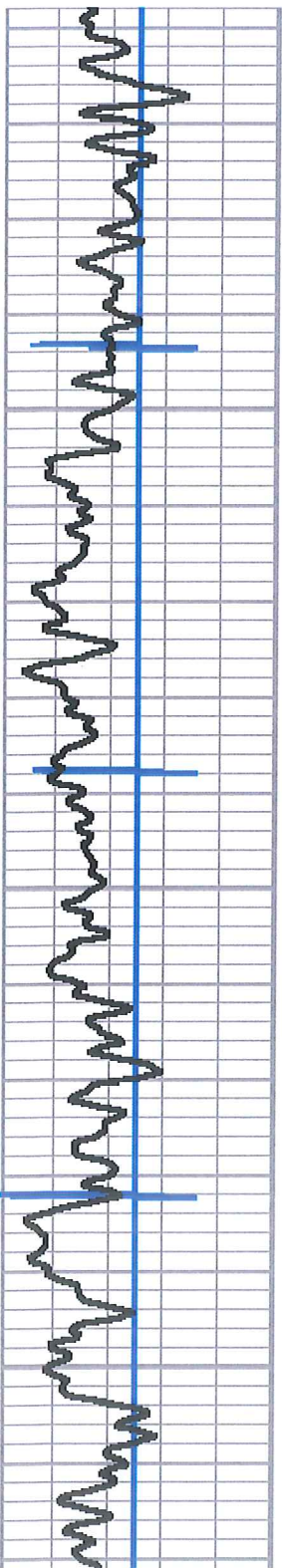


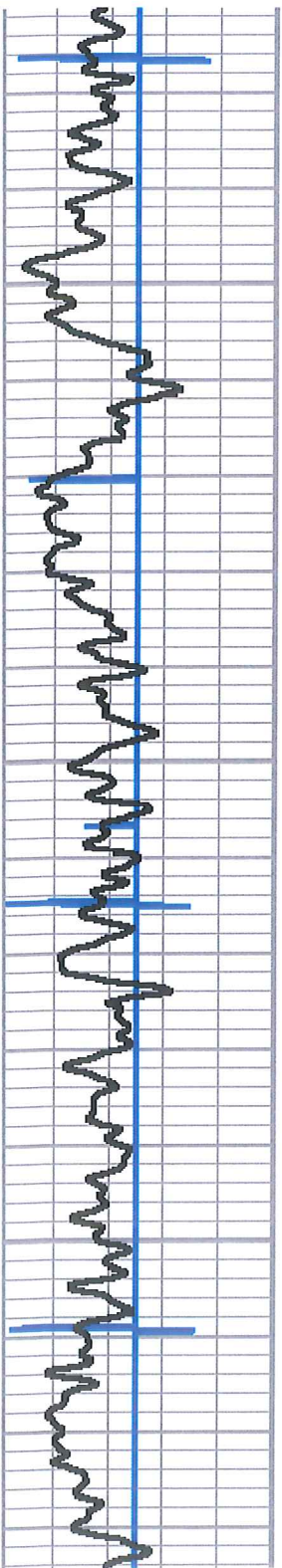








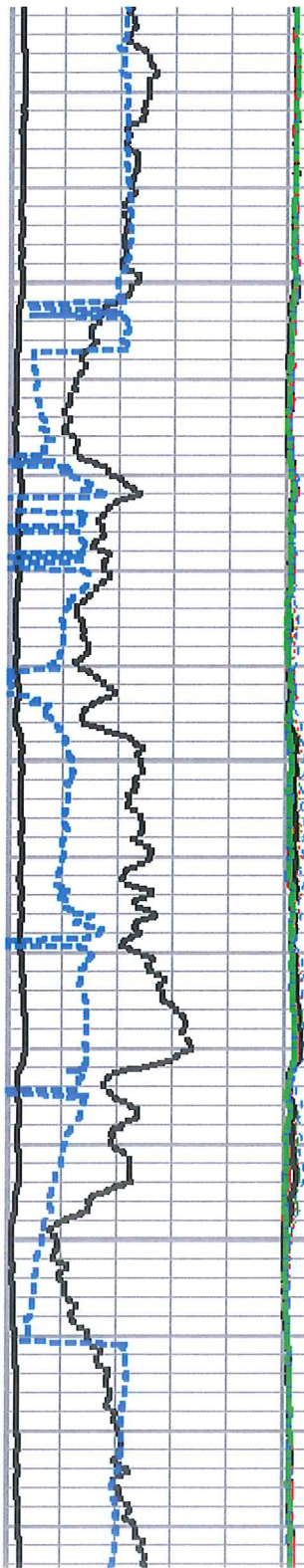




2100

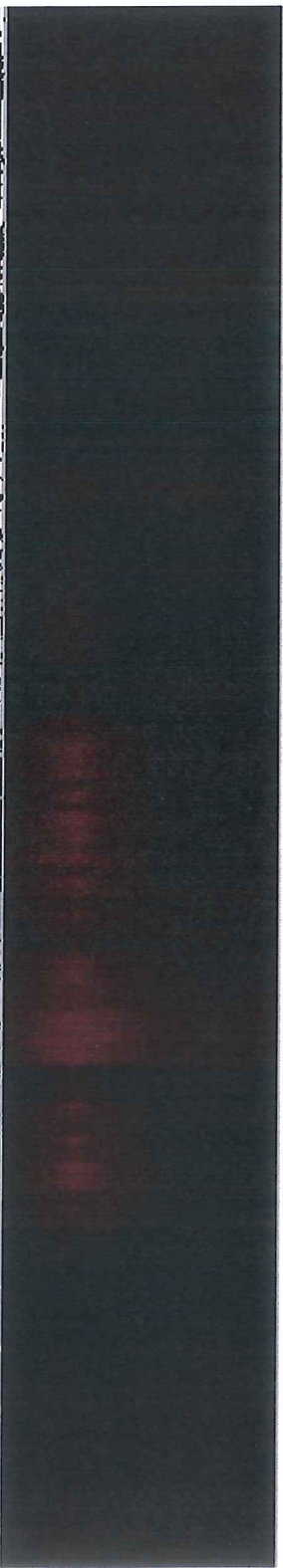
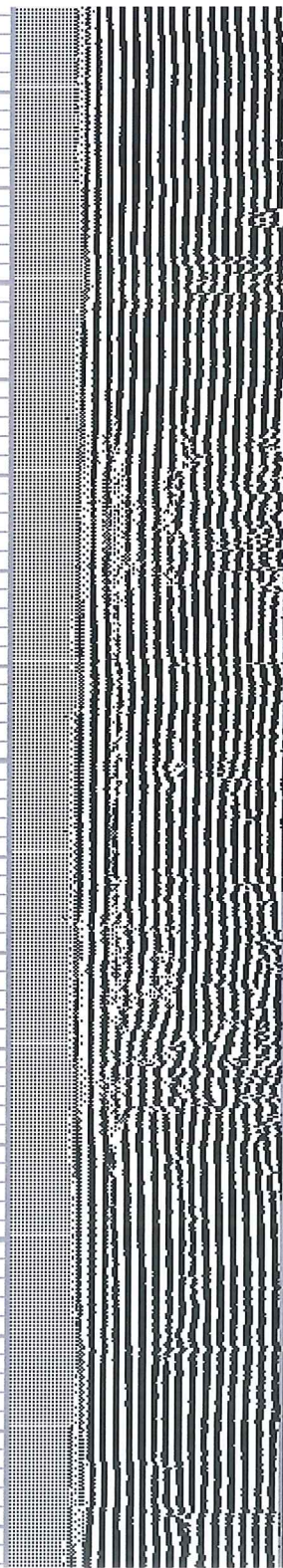
2150

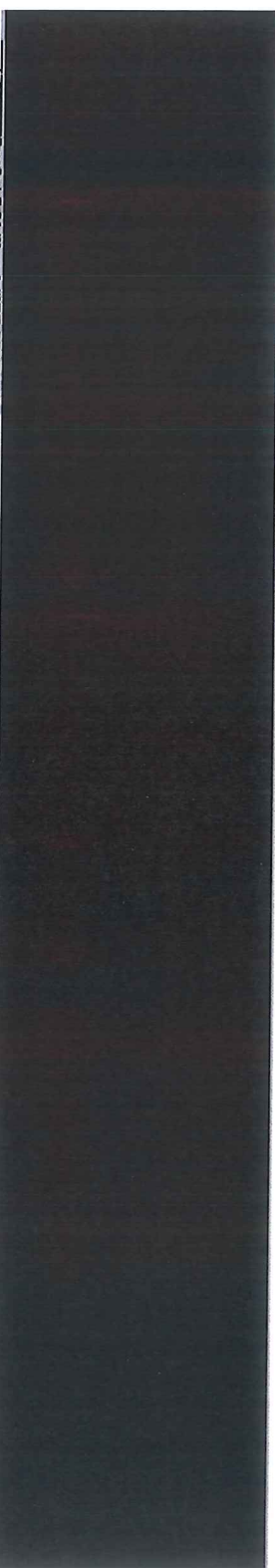
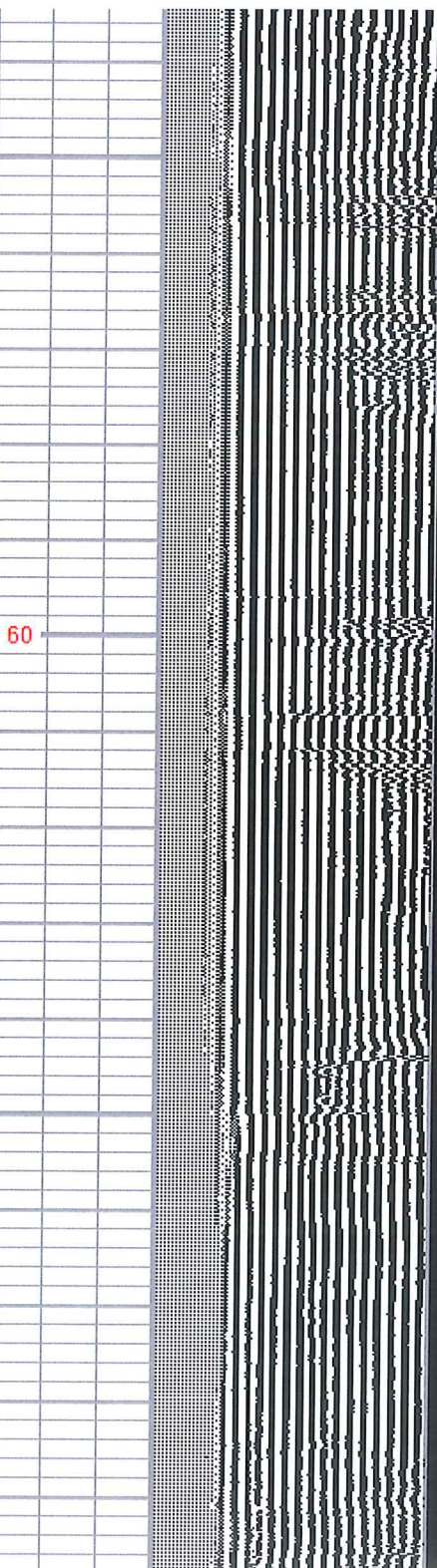
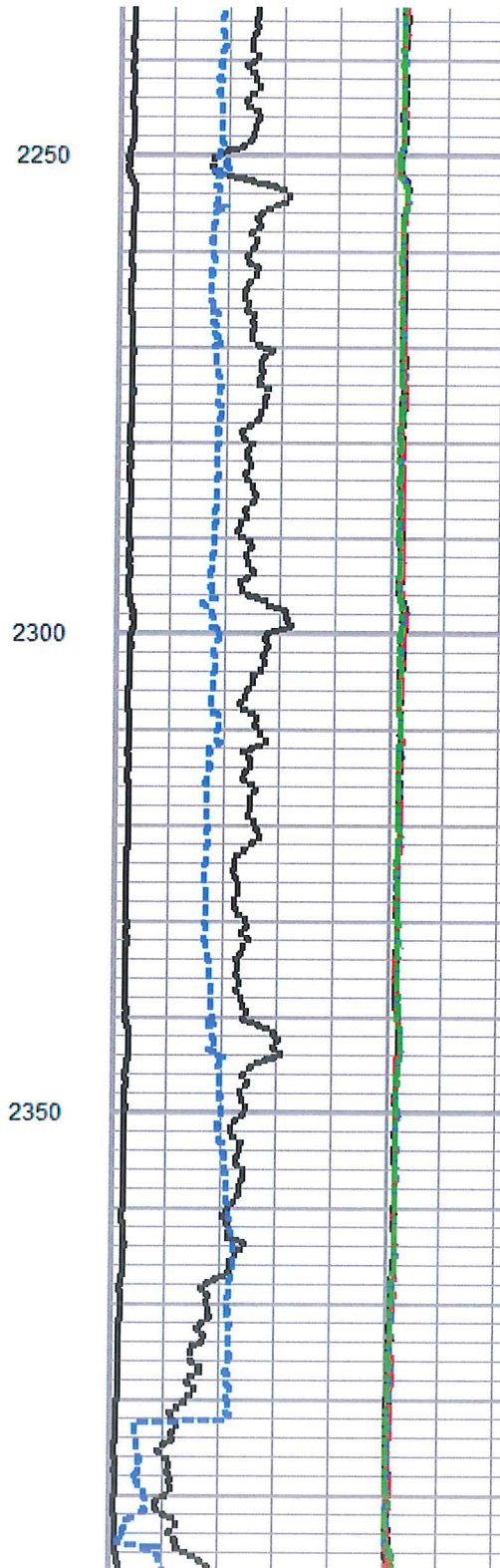
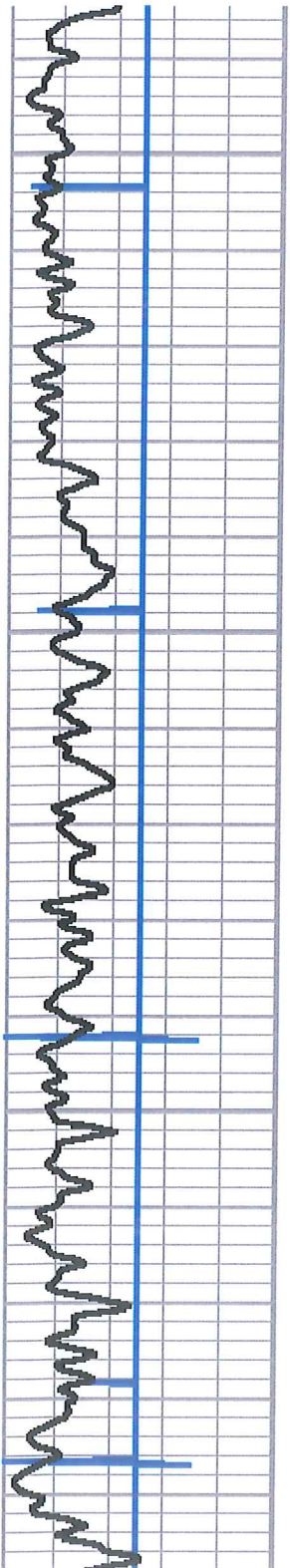
2200

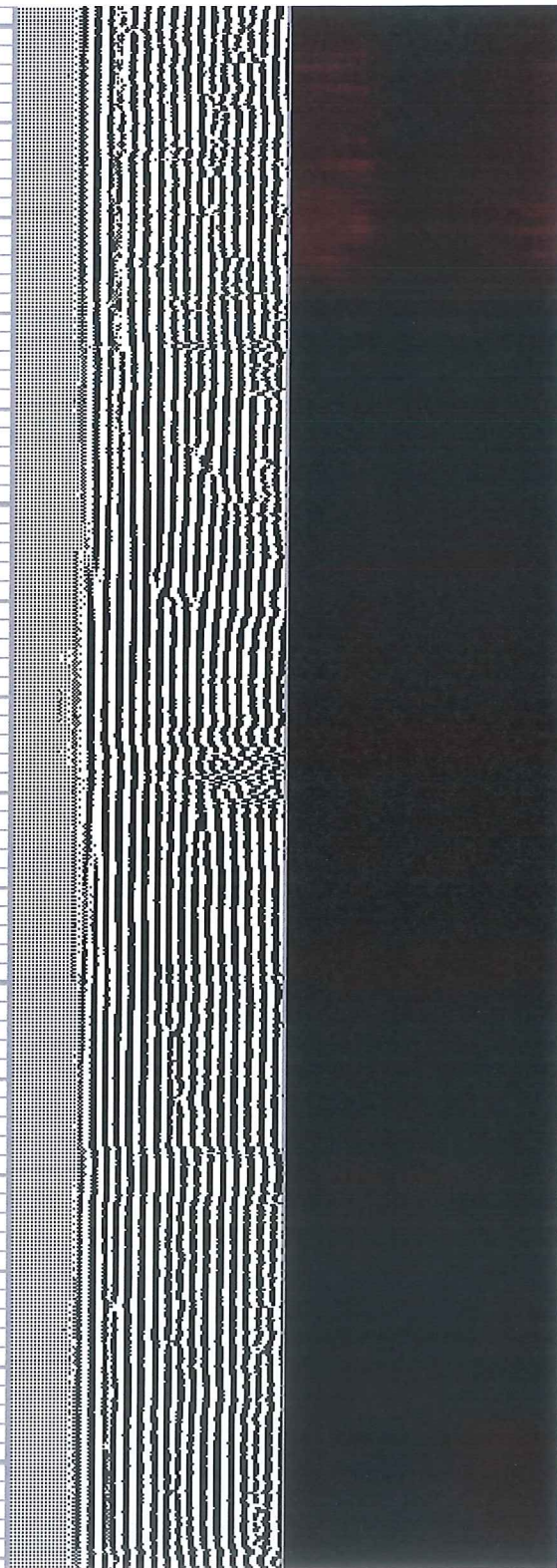
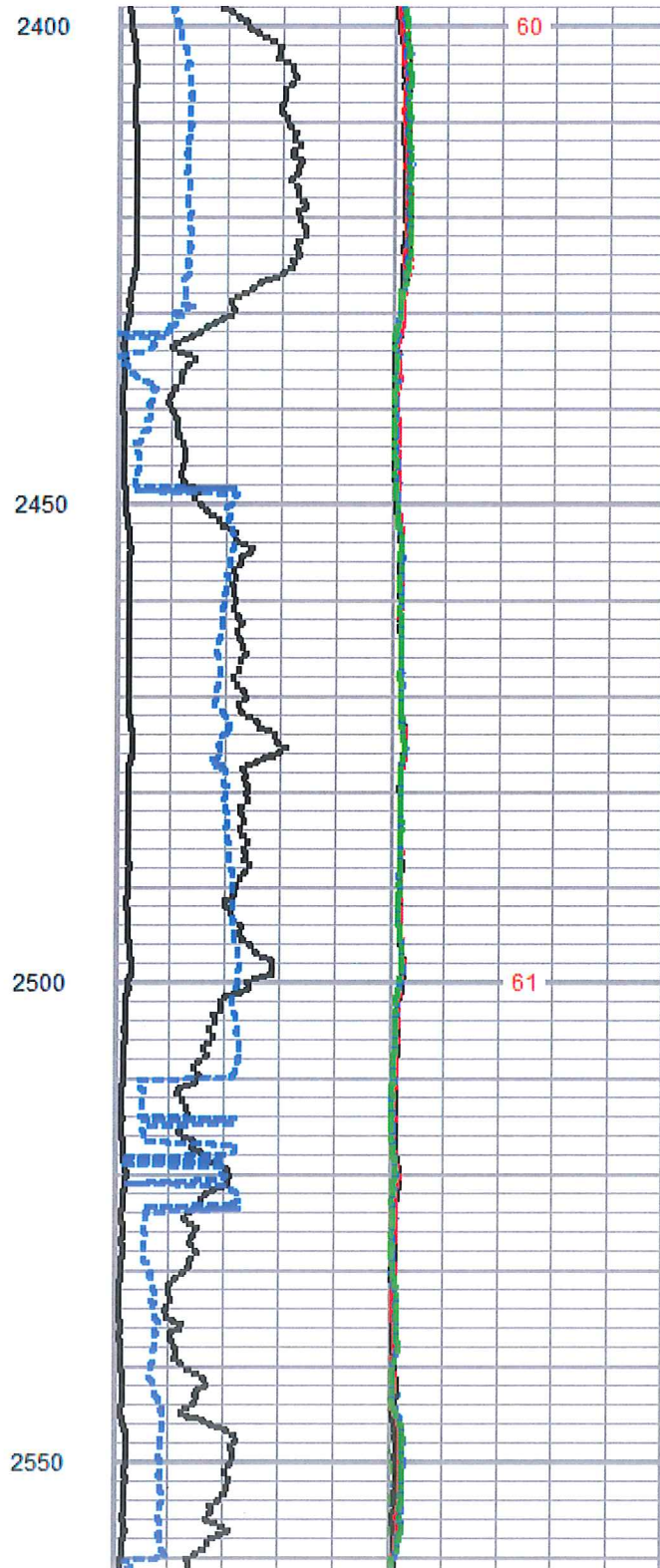
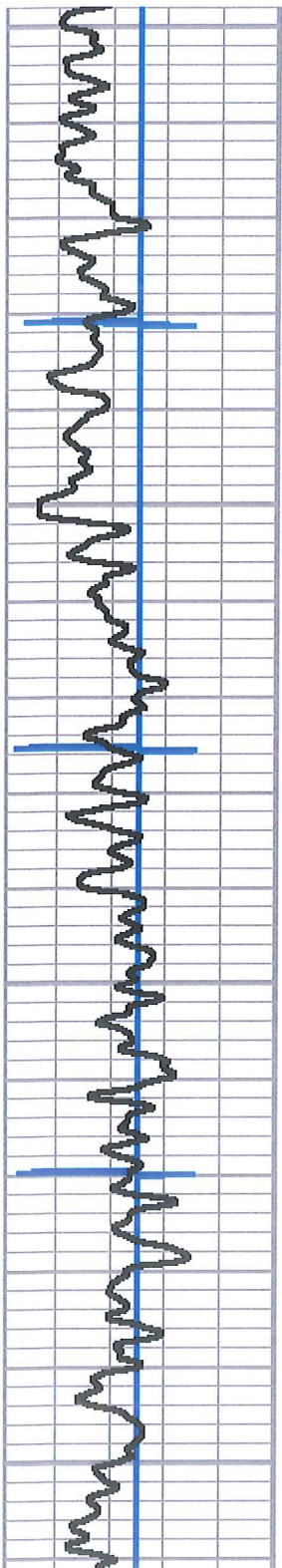


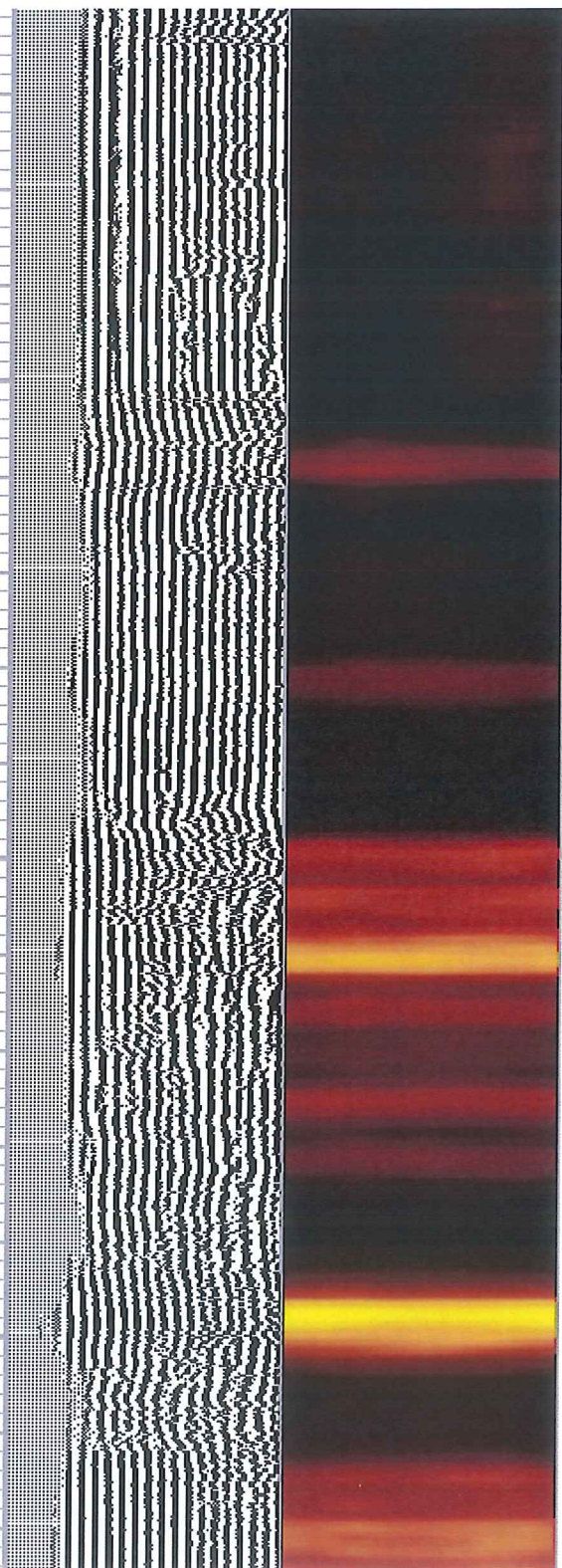
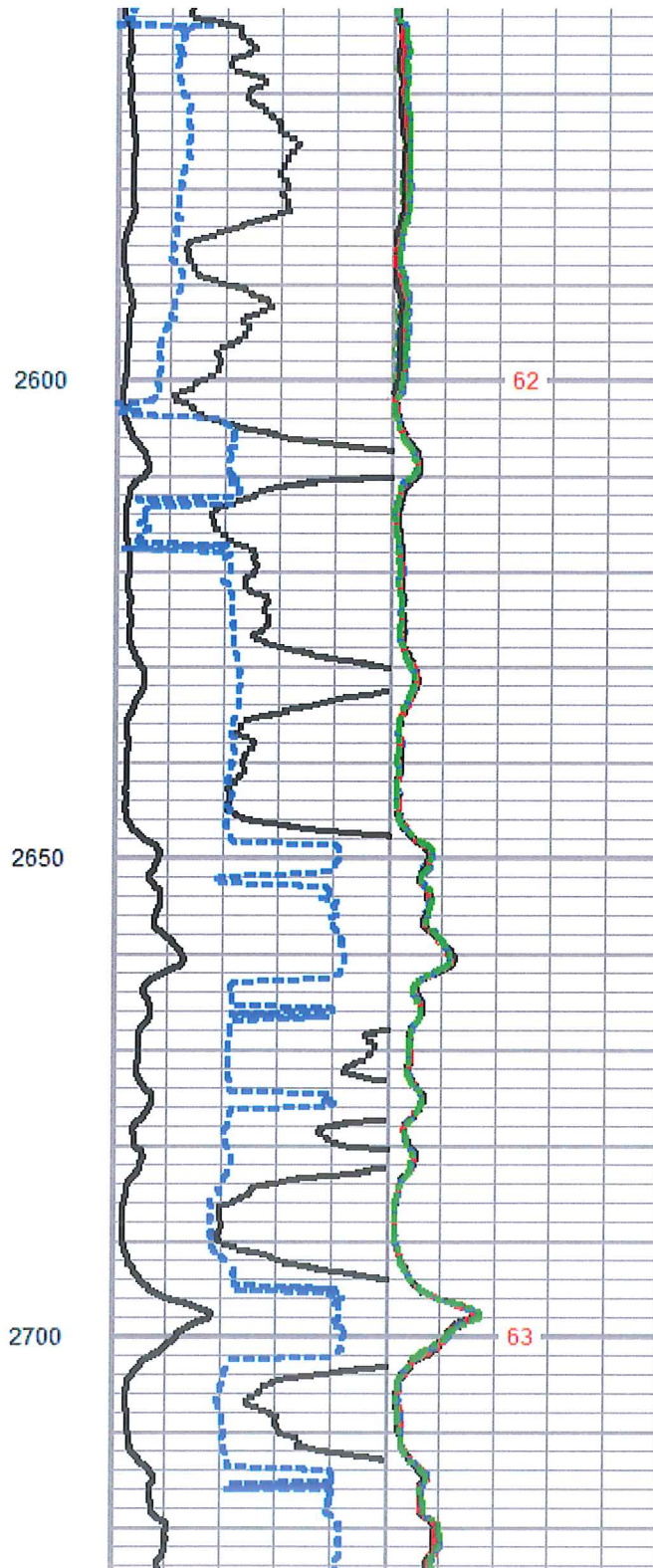
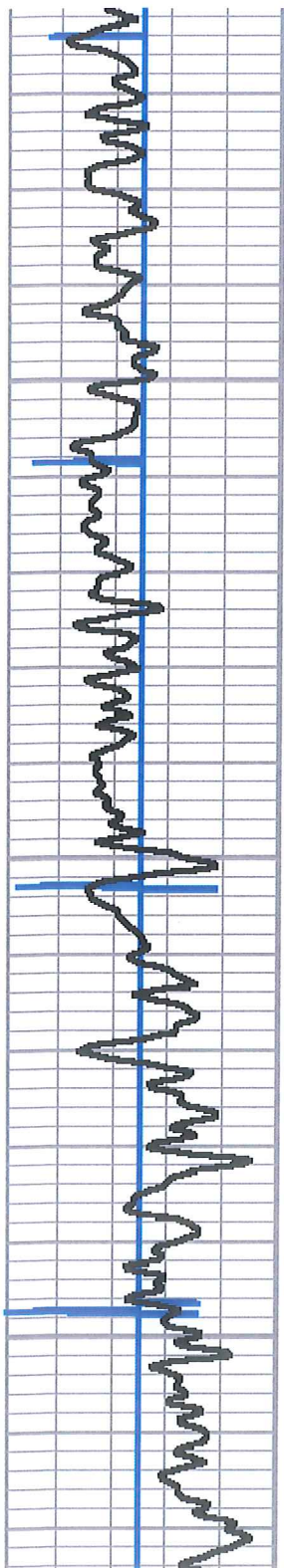
58

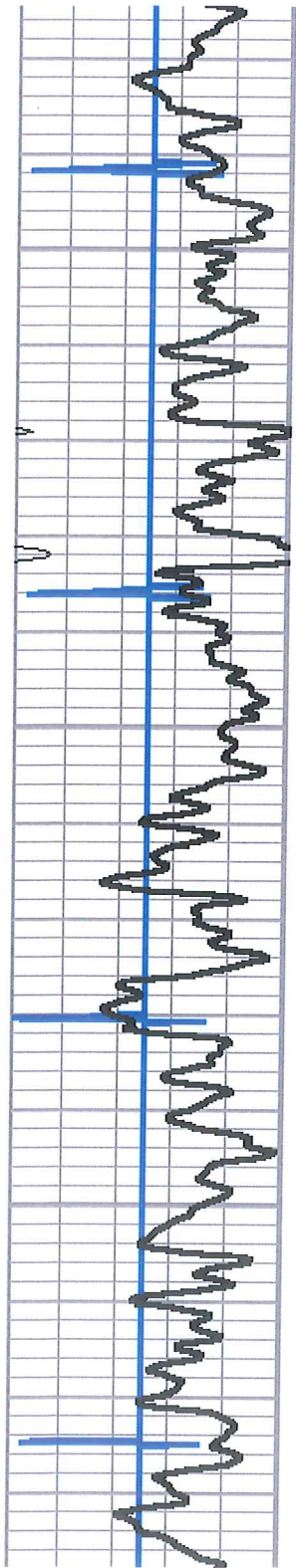
59







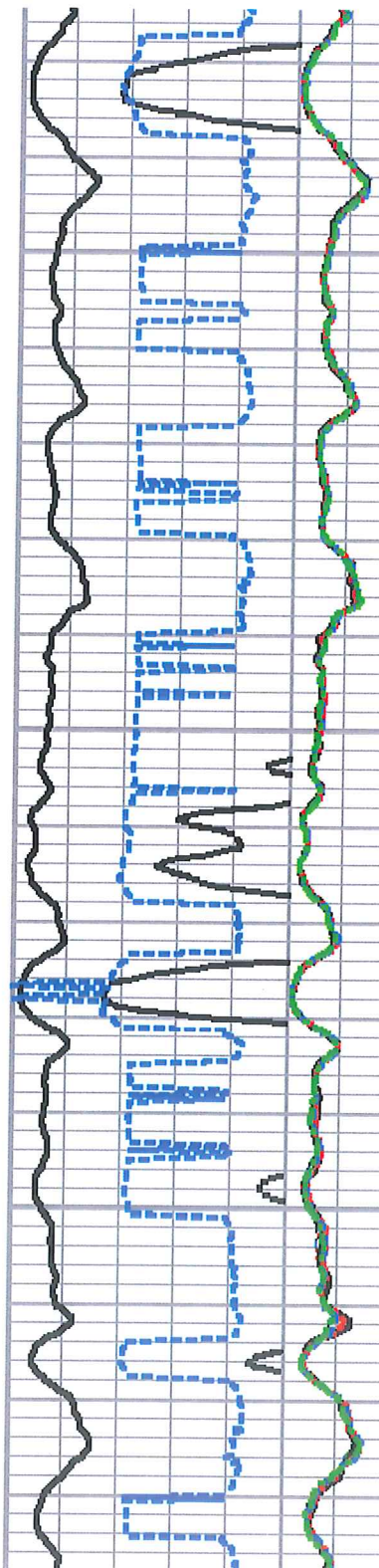




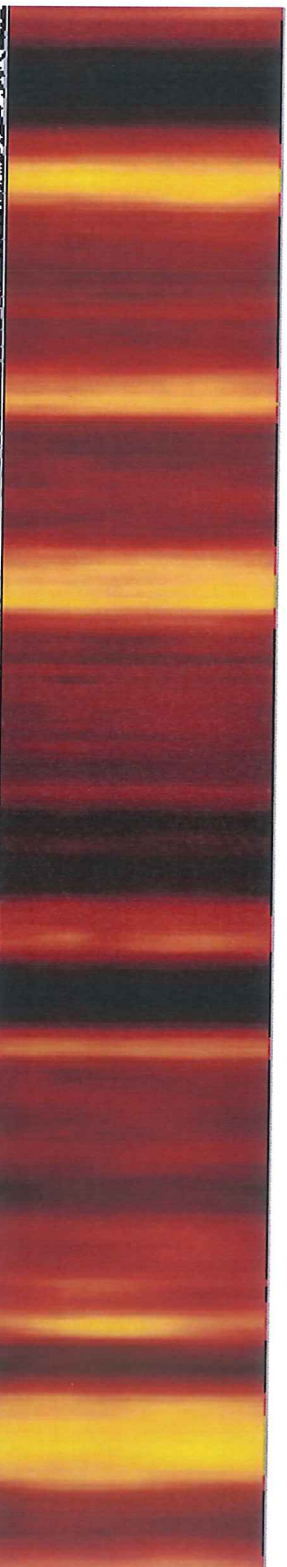
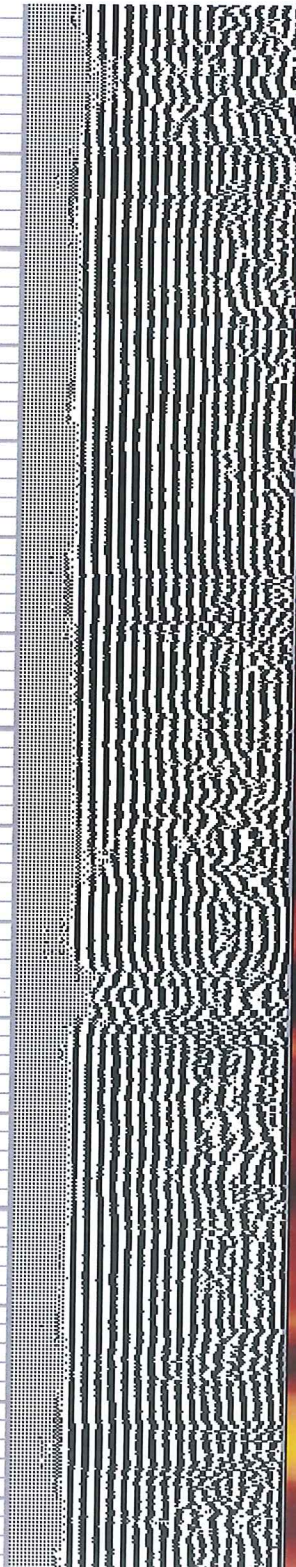
2750

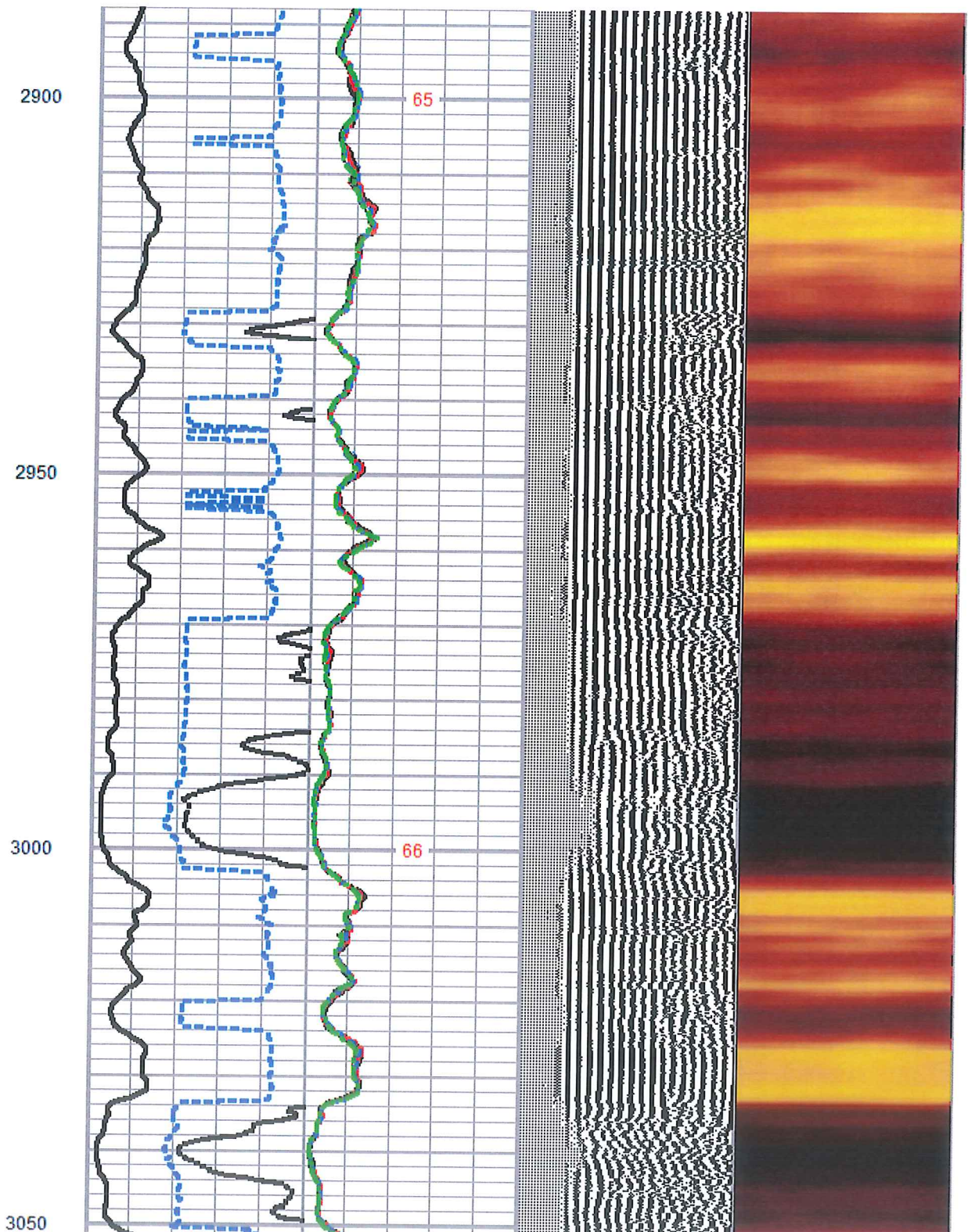
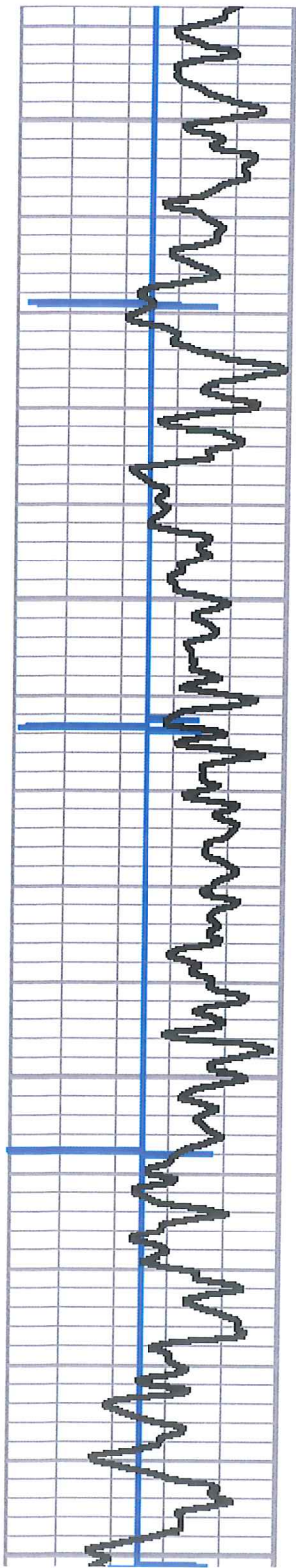
2800

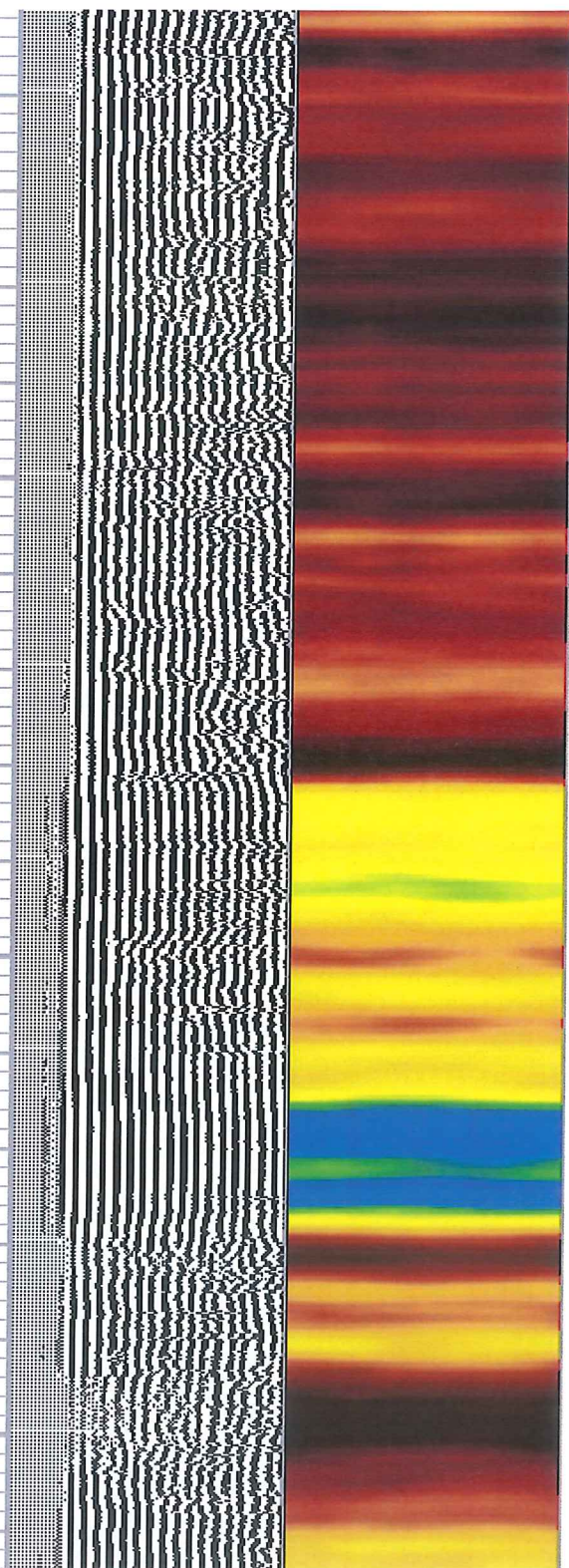
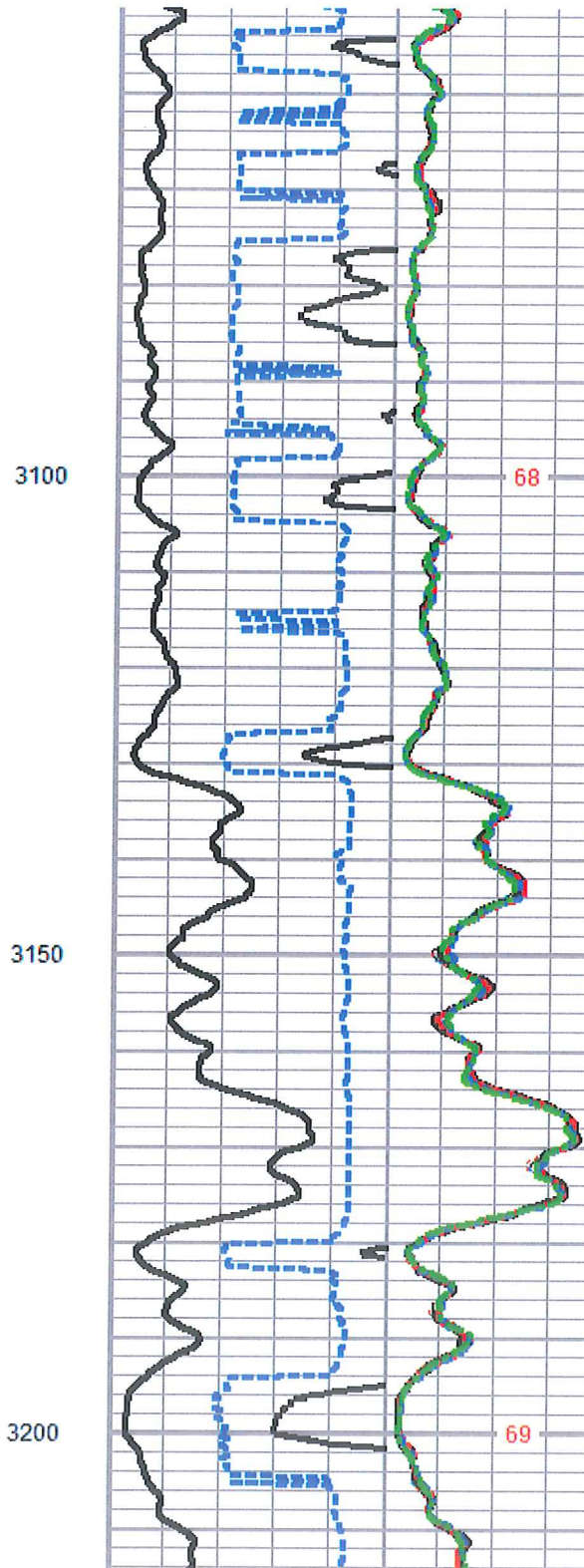
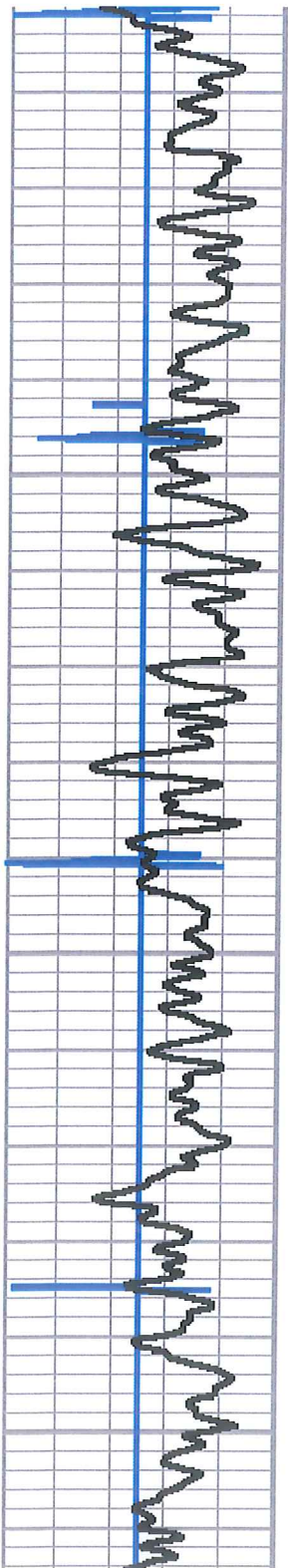
2850

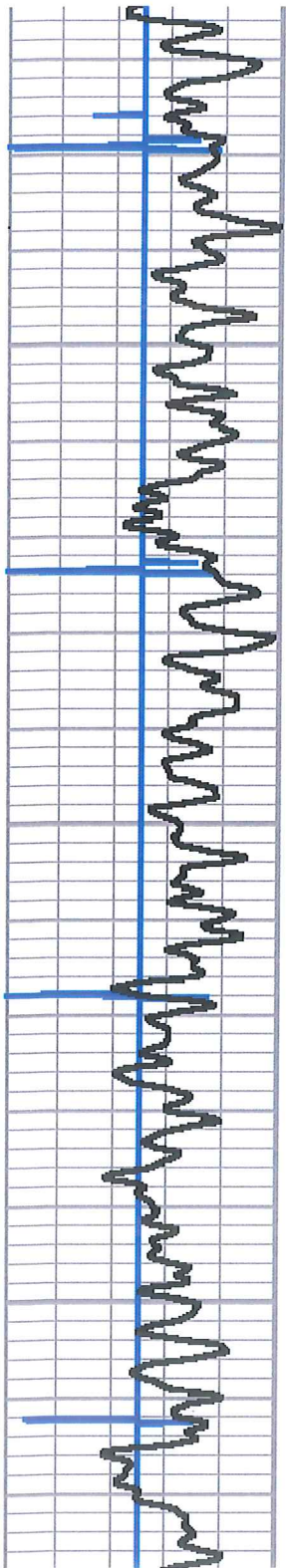


64





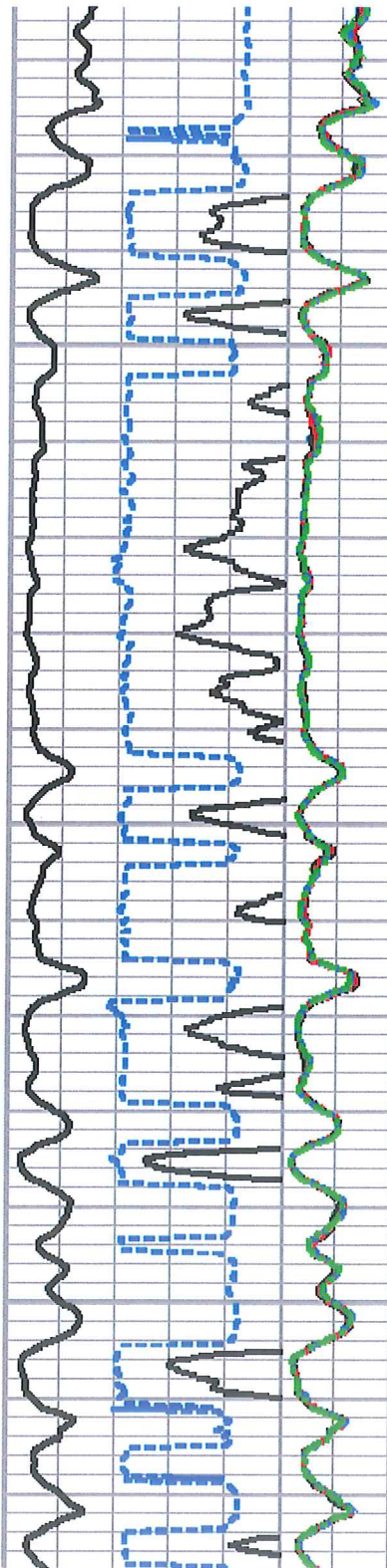




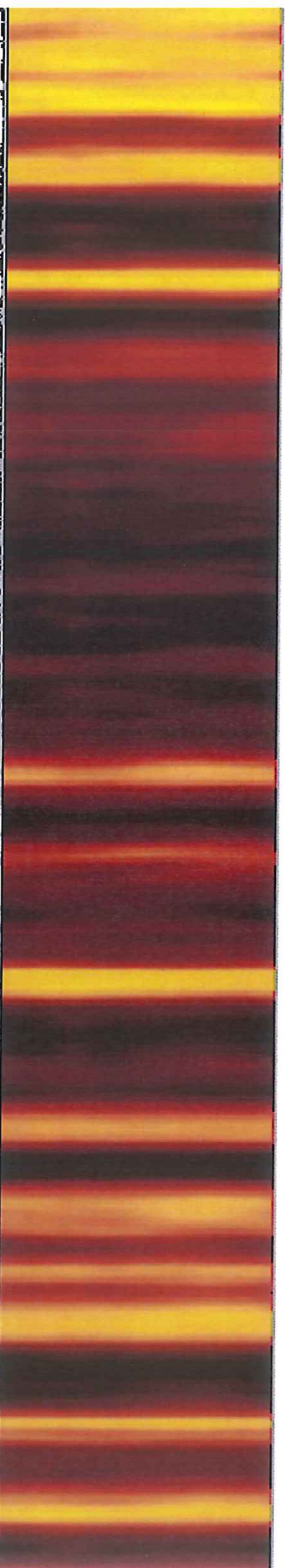
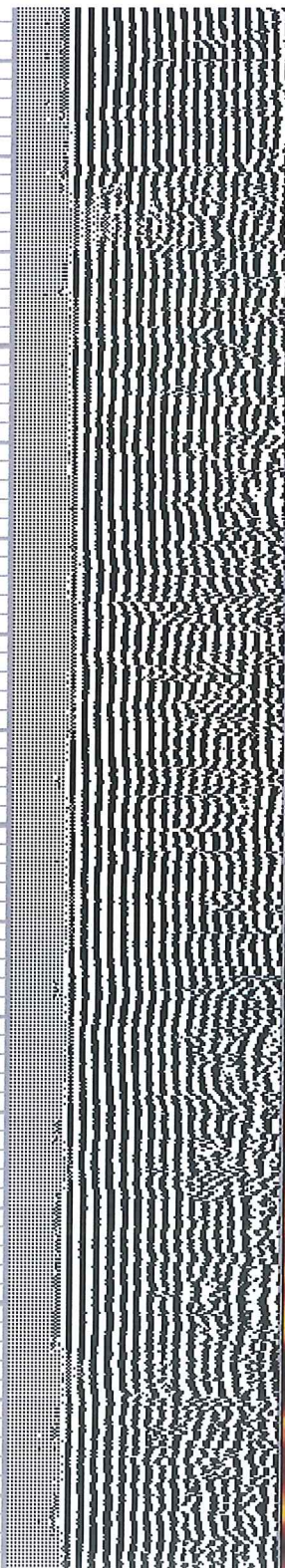
3250

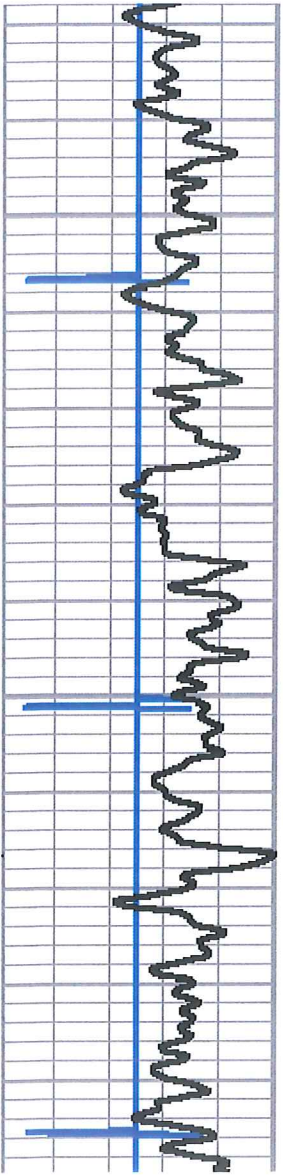
3300

3350



70

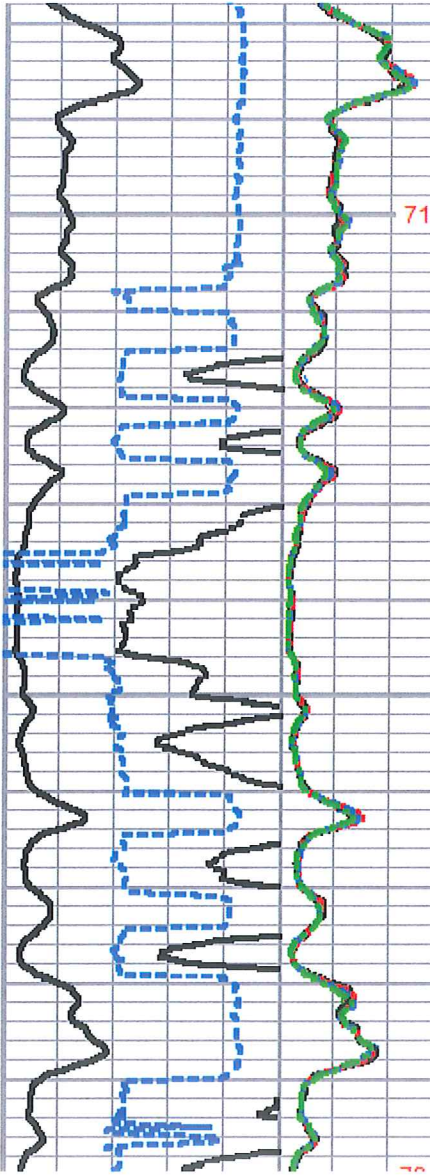




3400

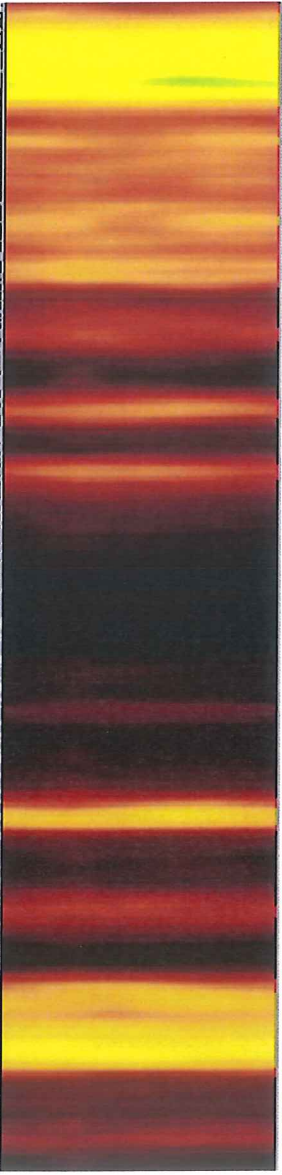
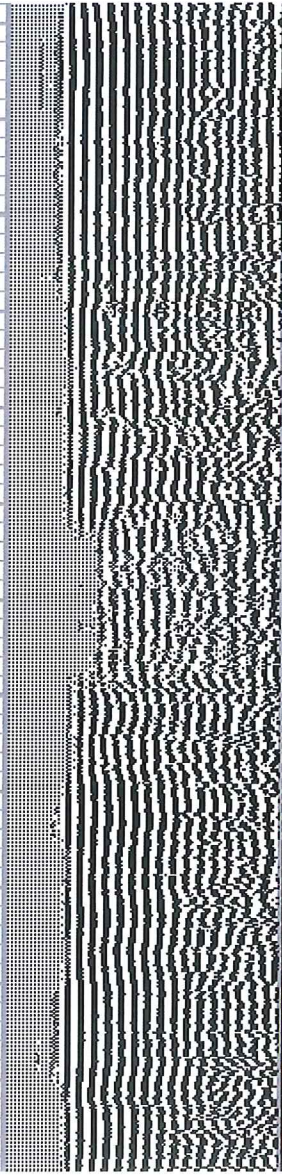
3450

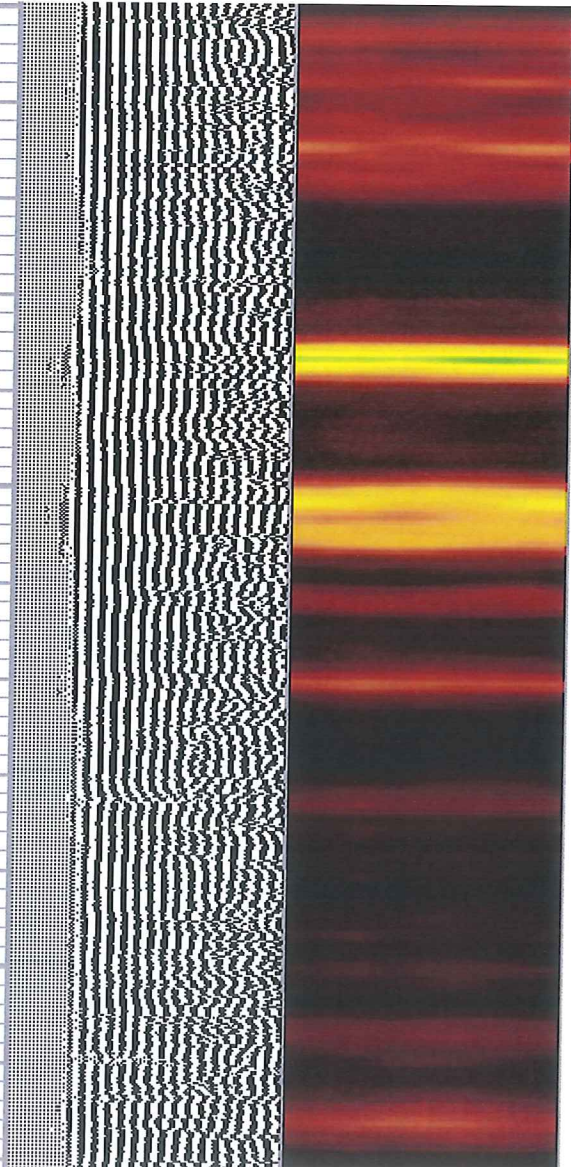
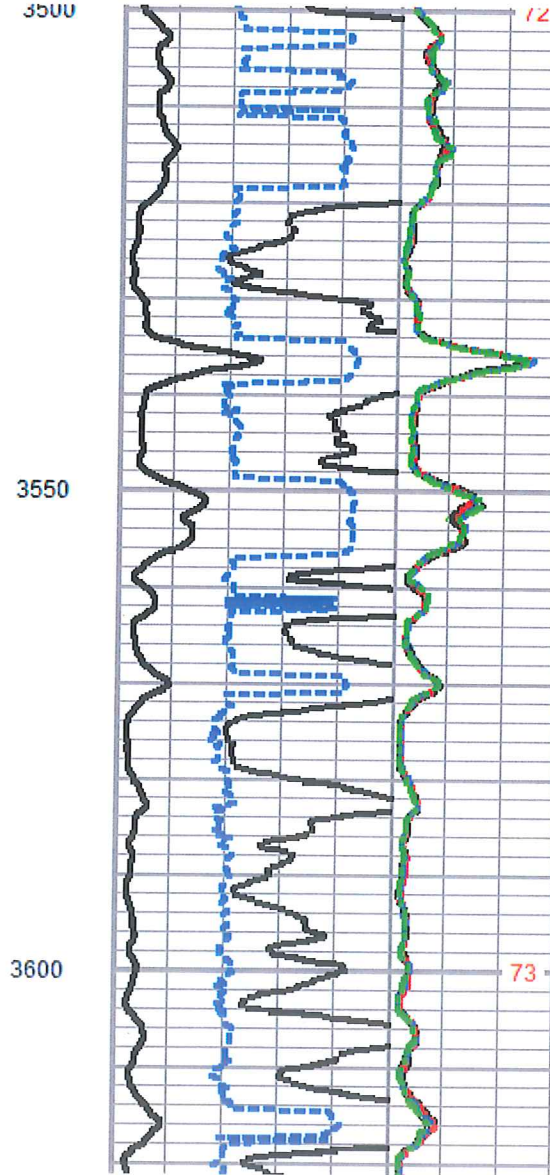
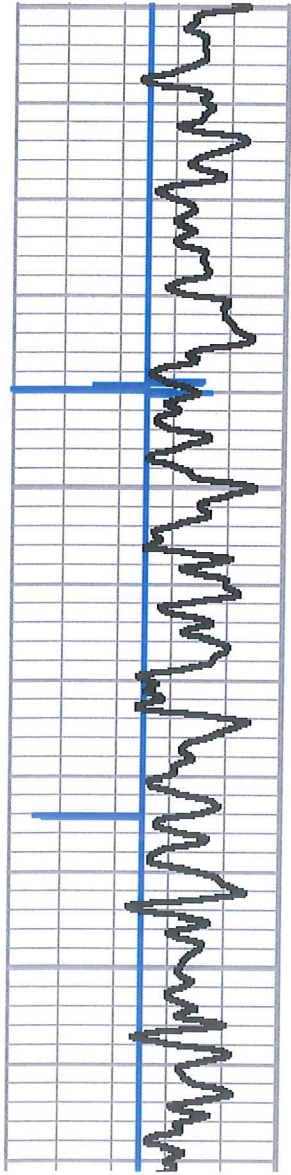
3500

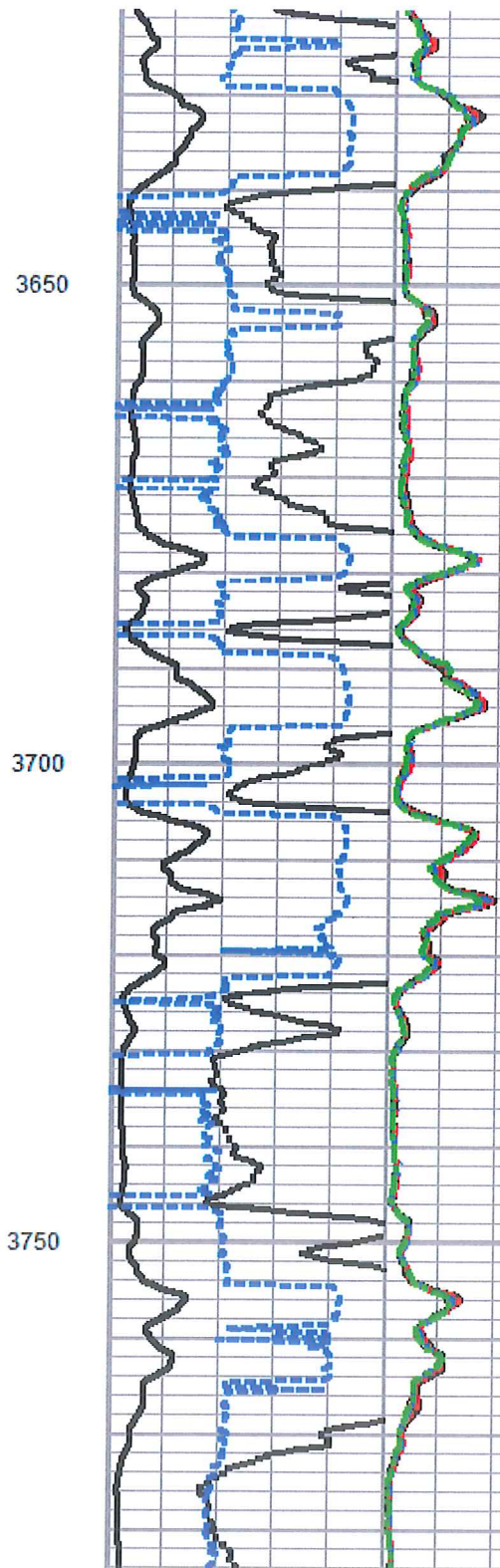
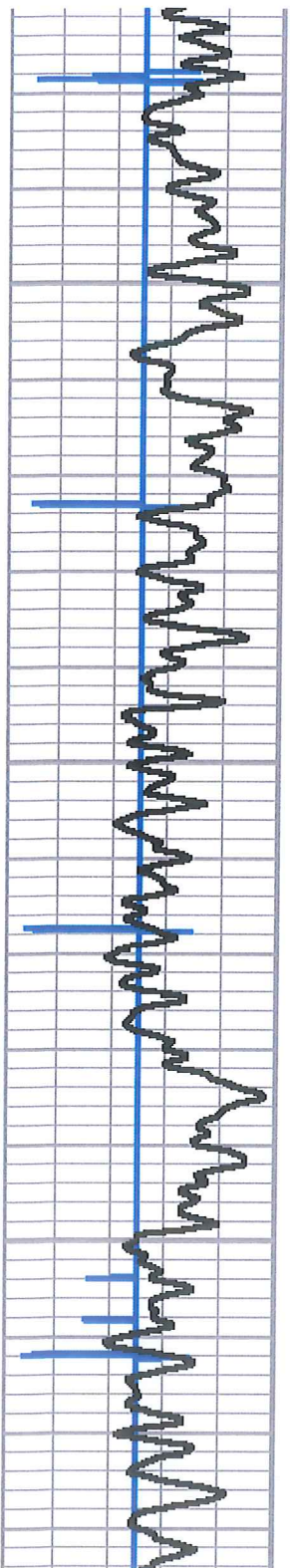


71

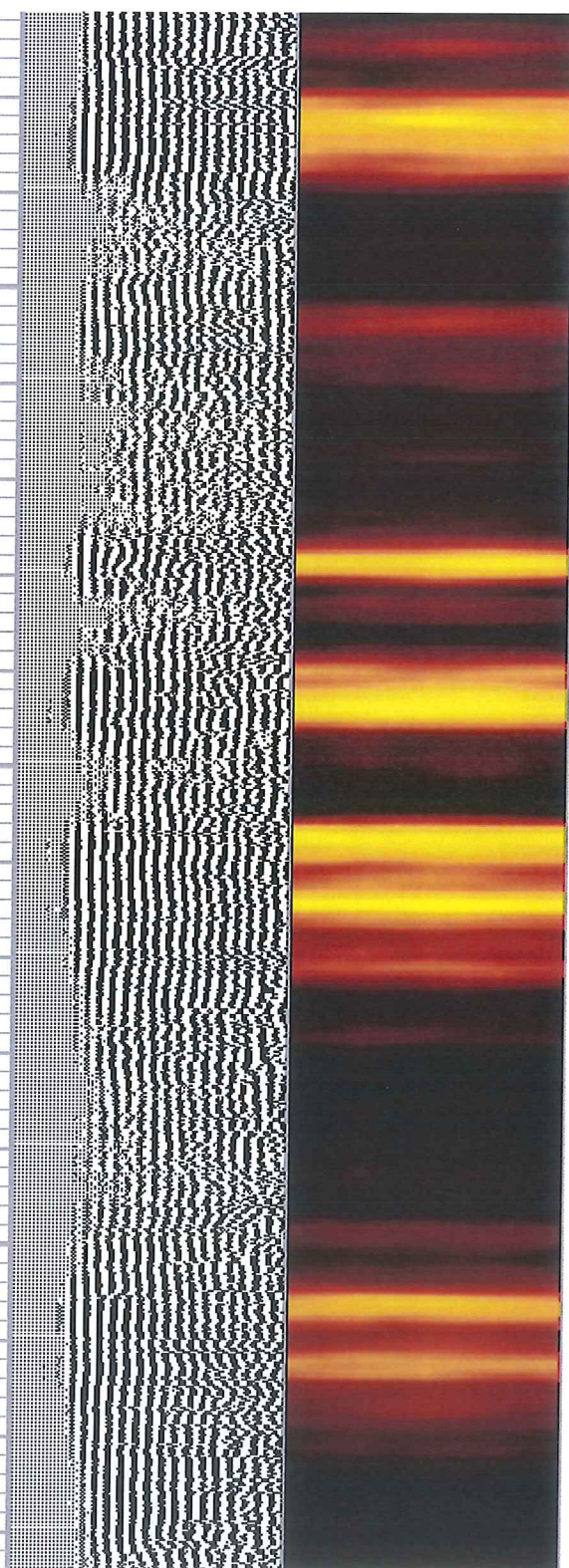
71

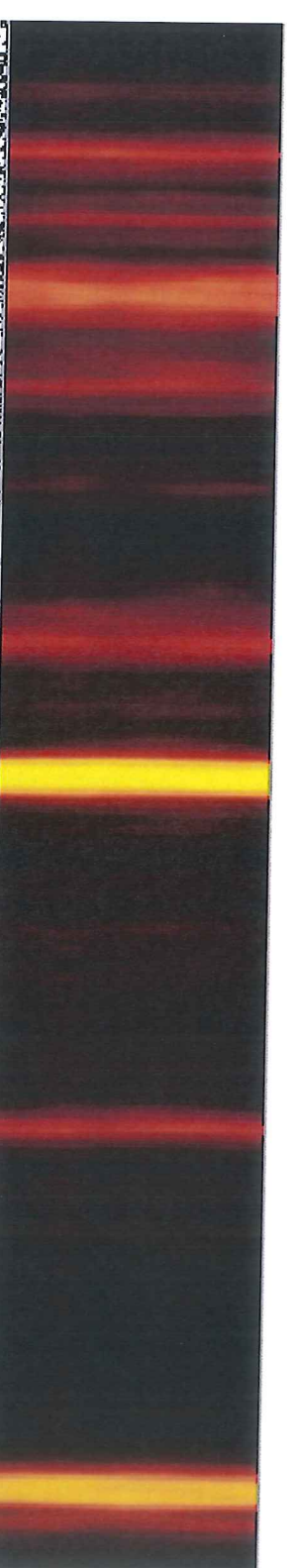
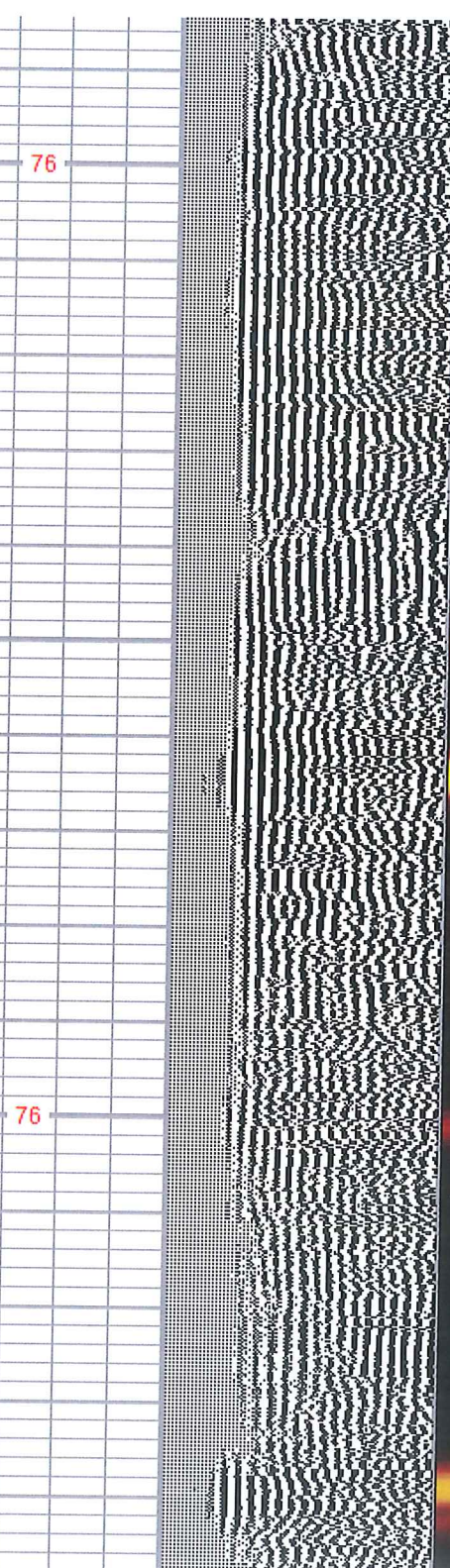
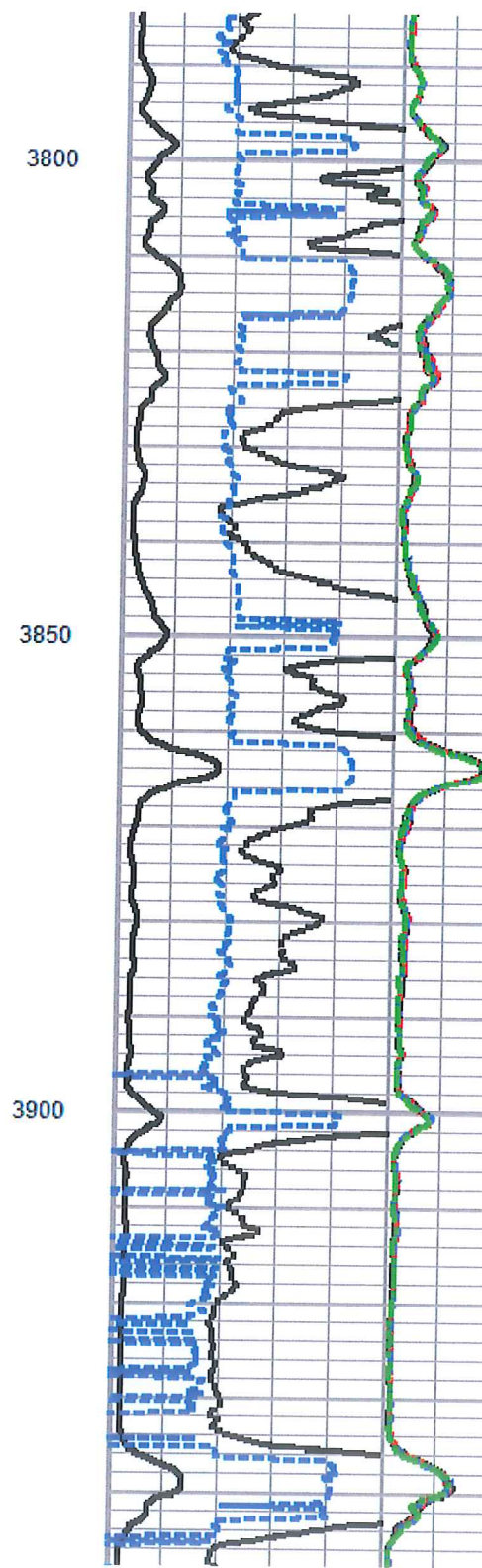
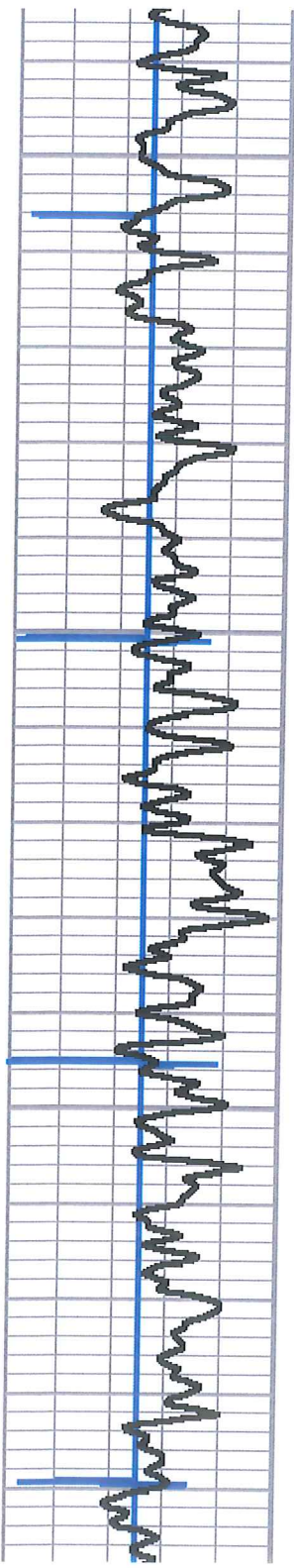


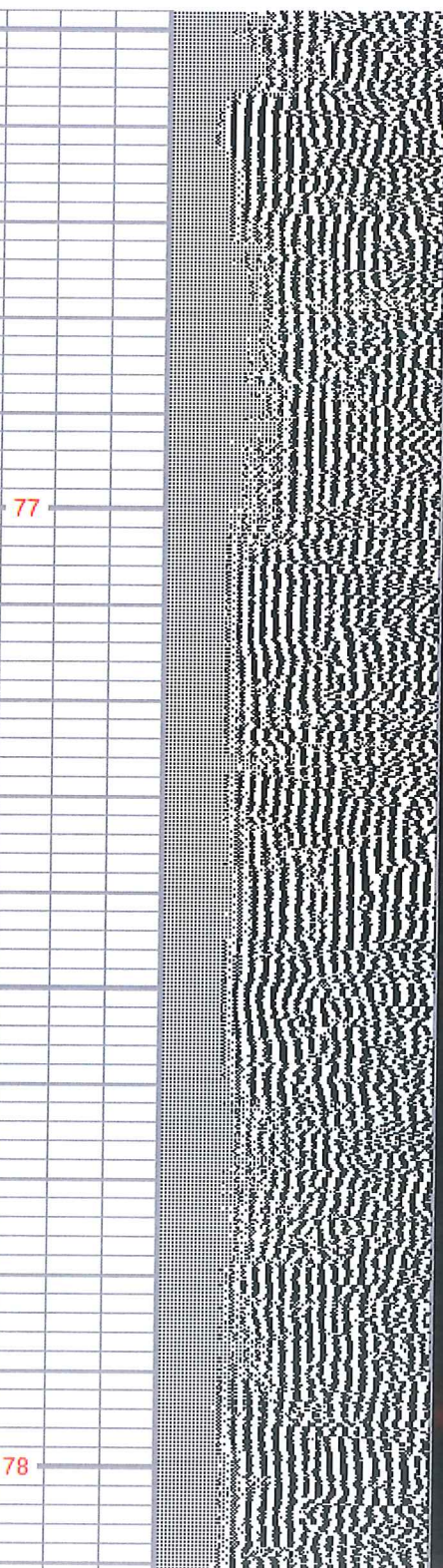
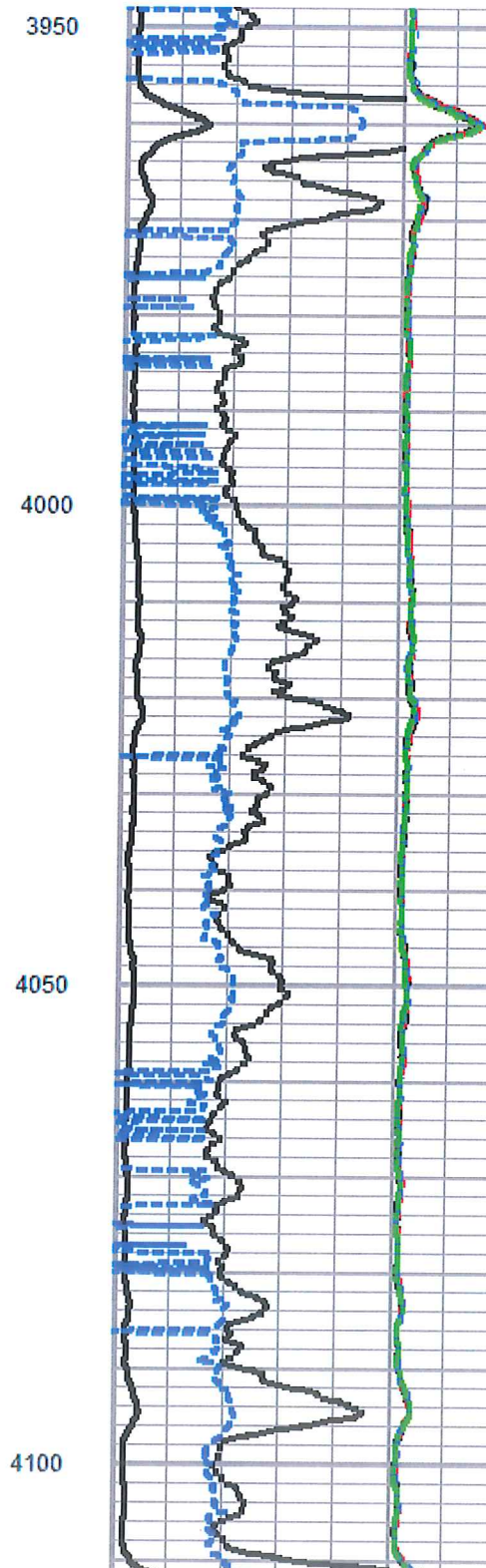
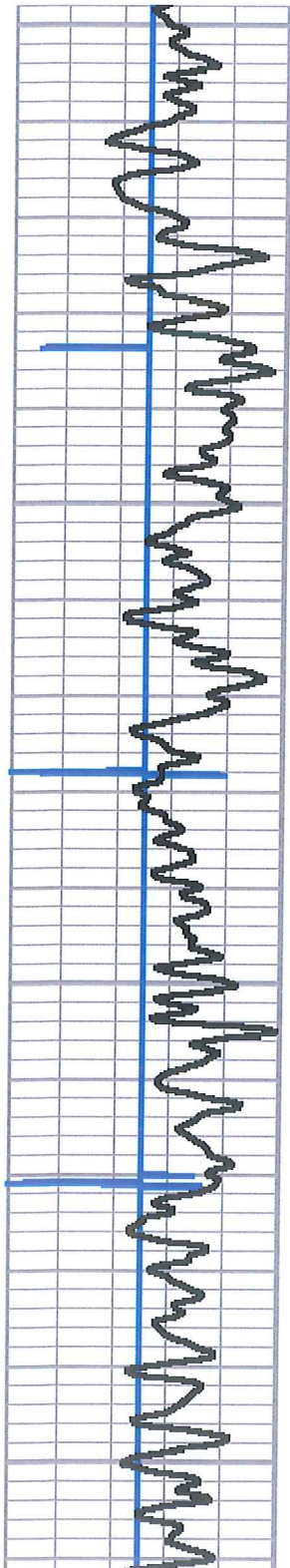


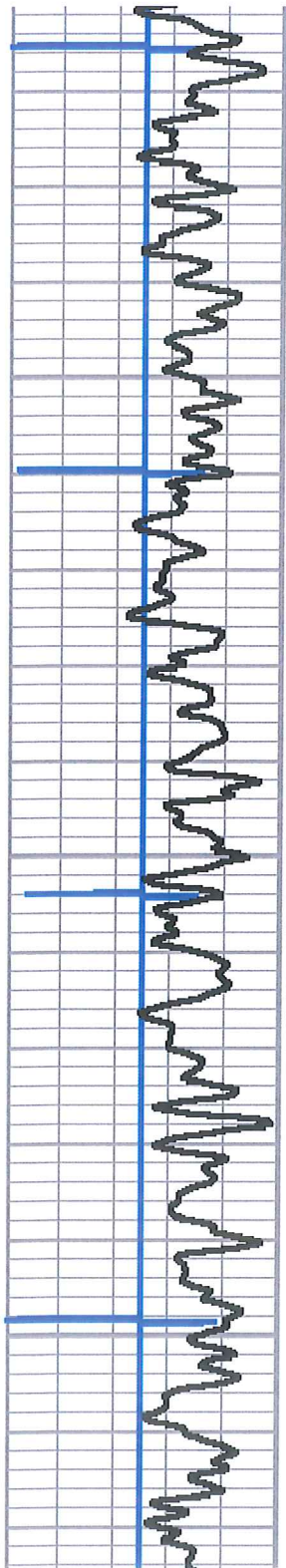


75





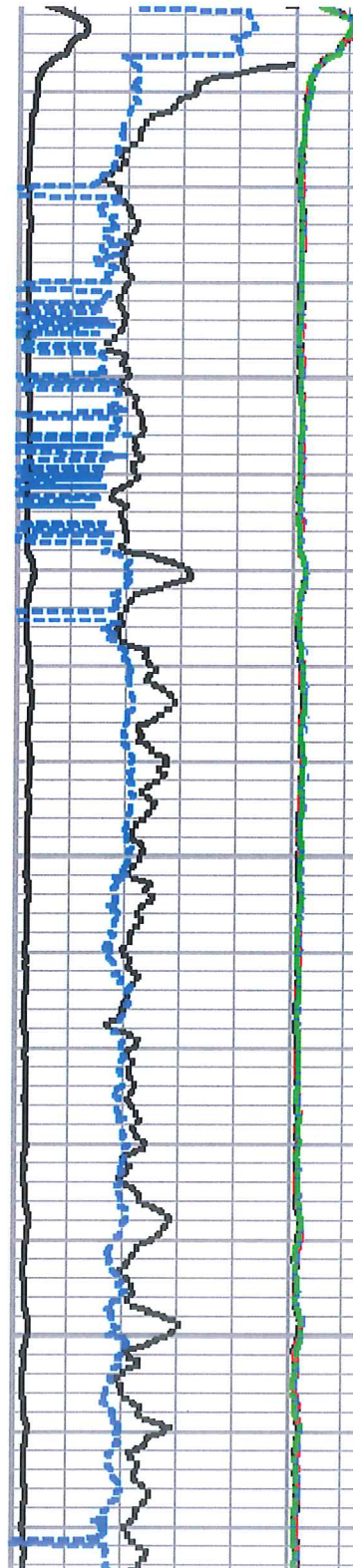




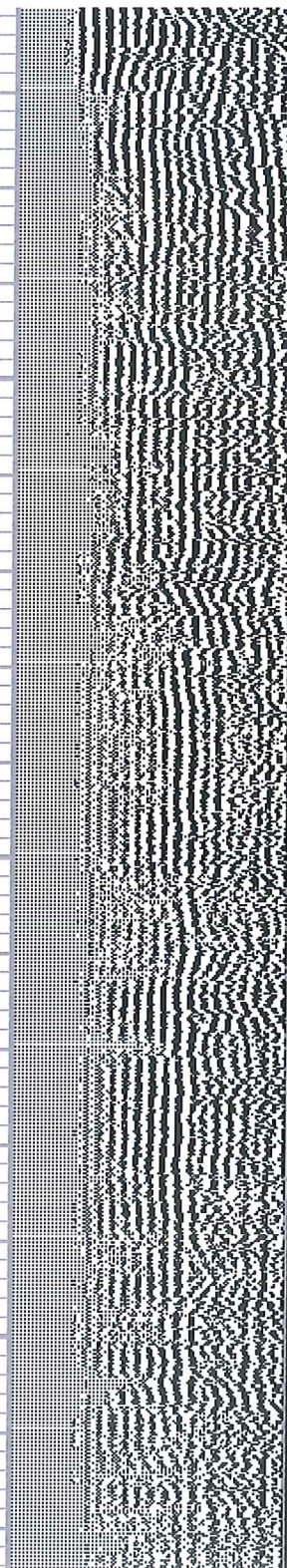
4150

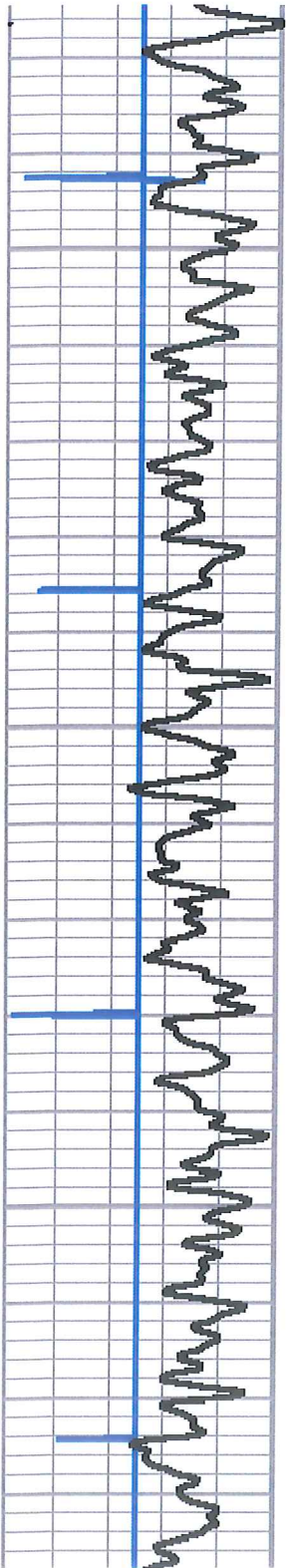
4200

4250



79

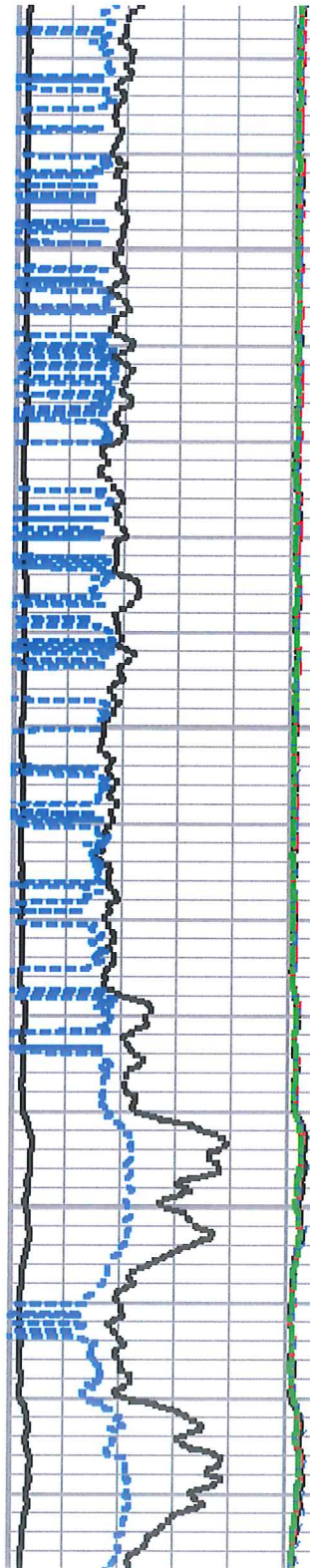




4300

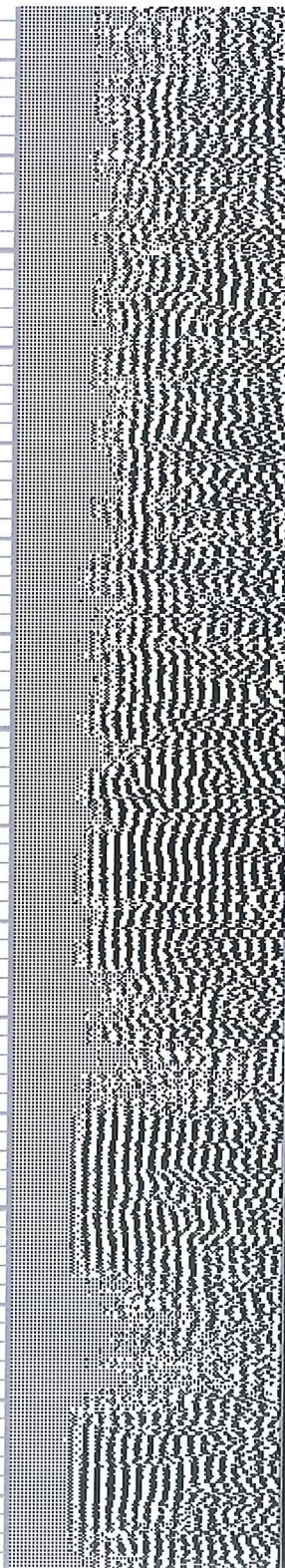
4350

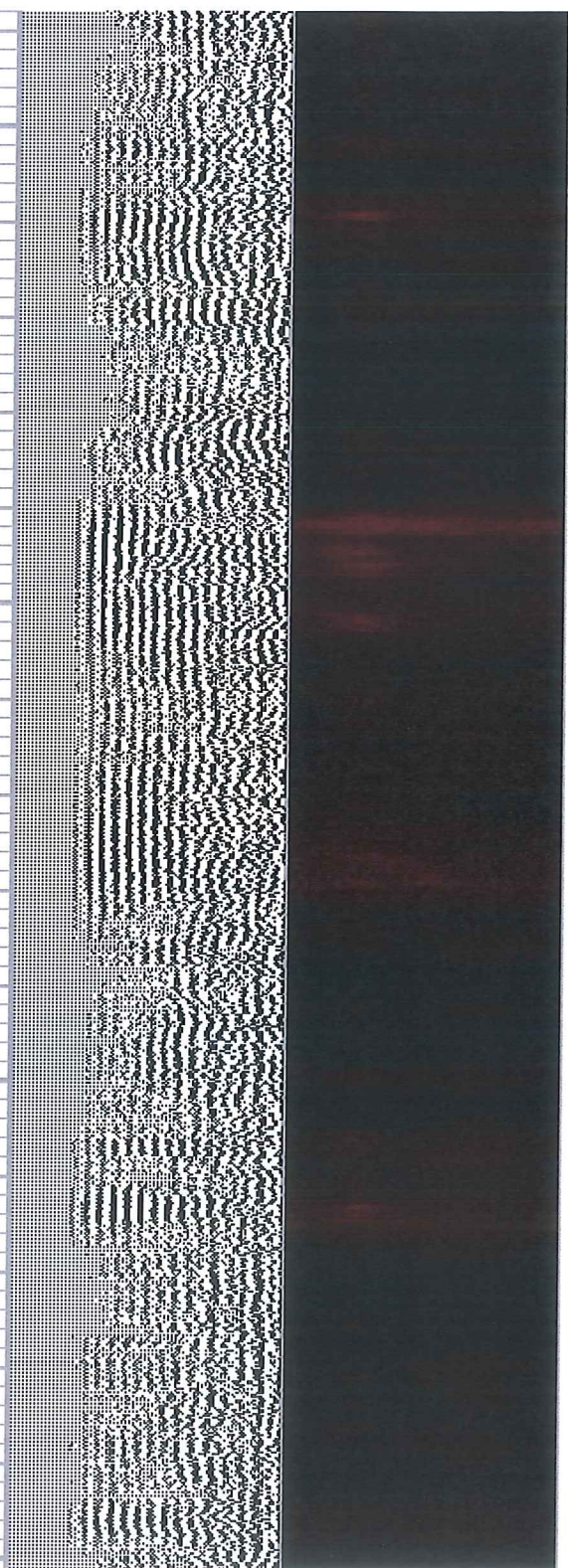
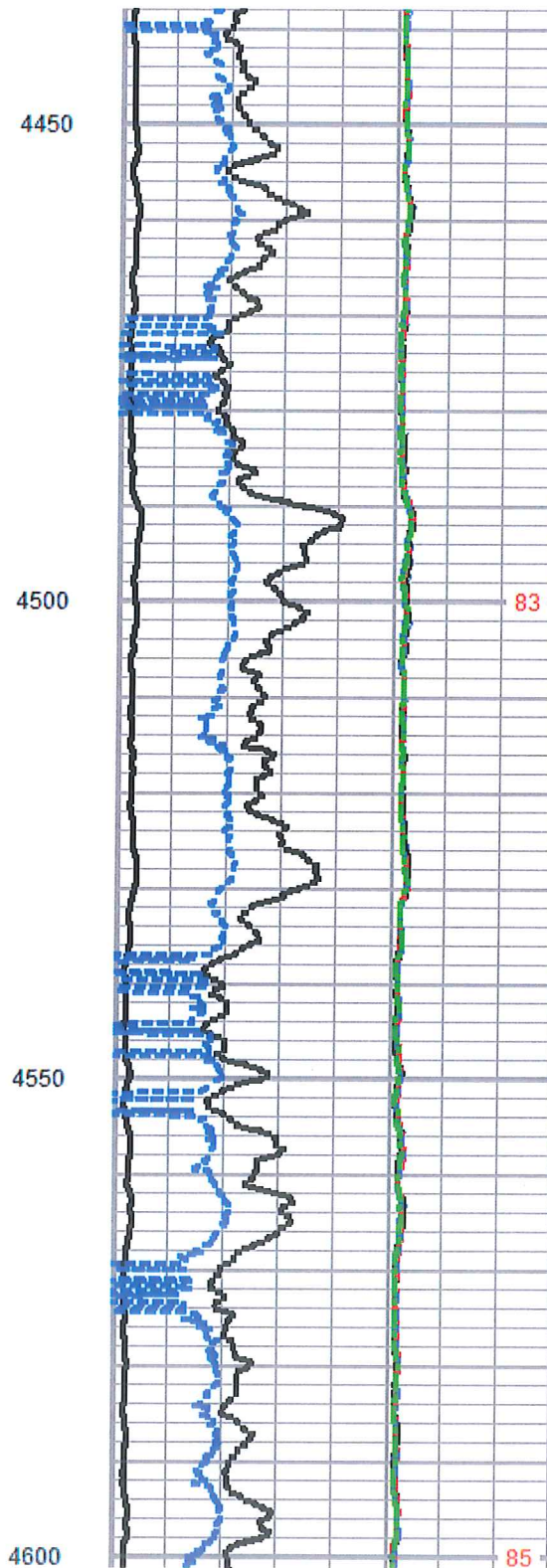
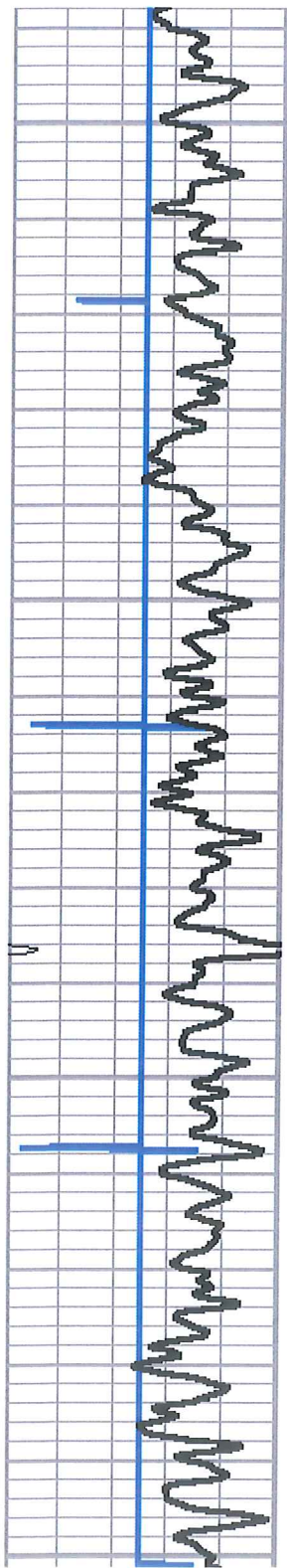
4400

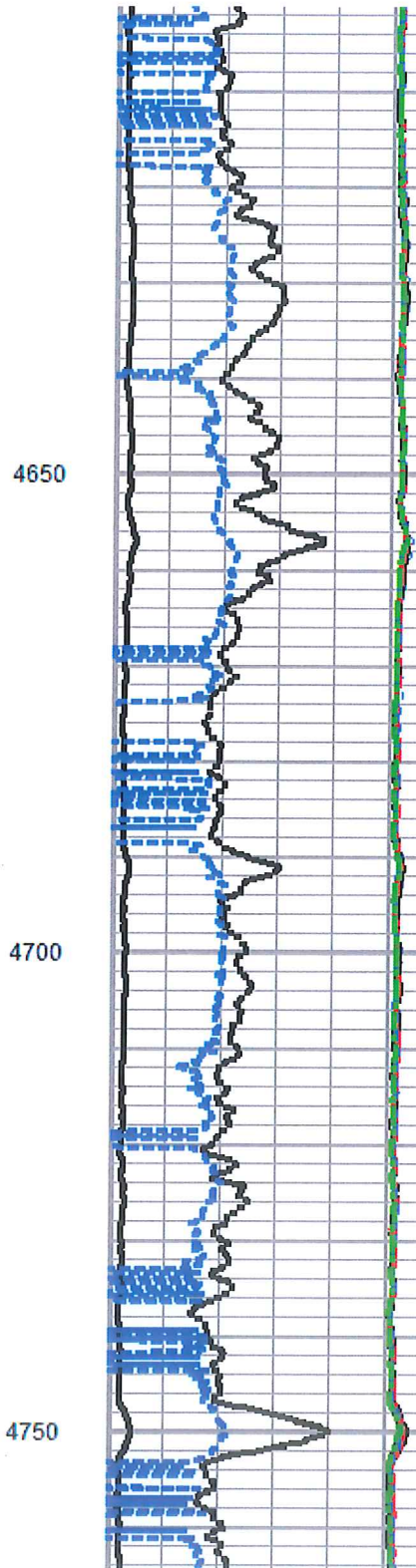
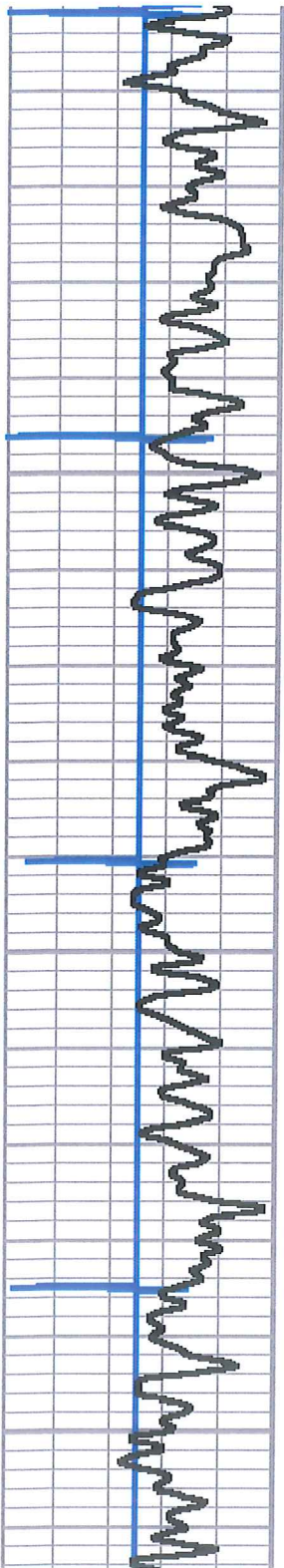


81

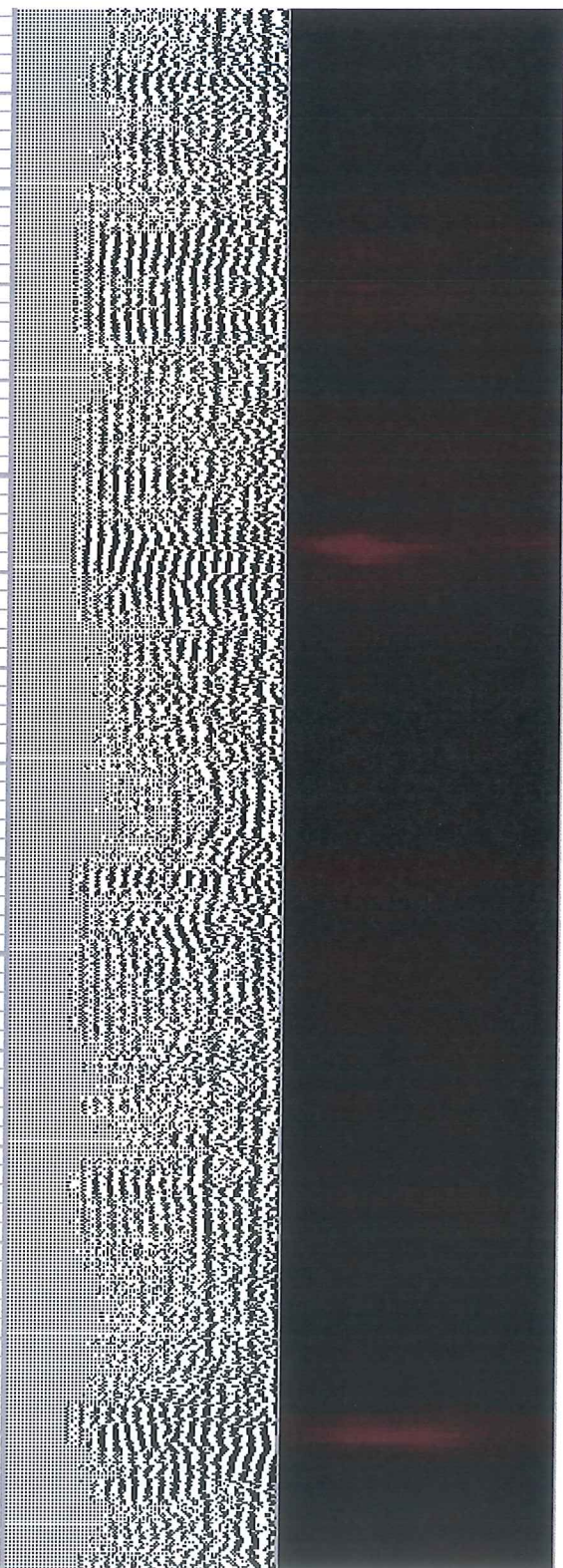
82

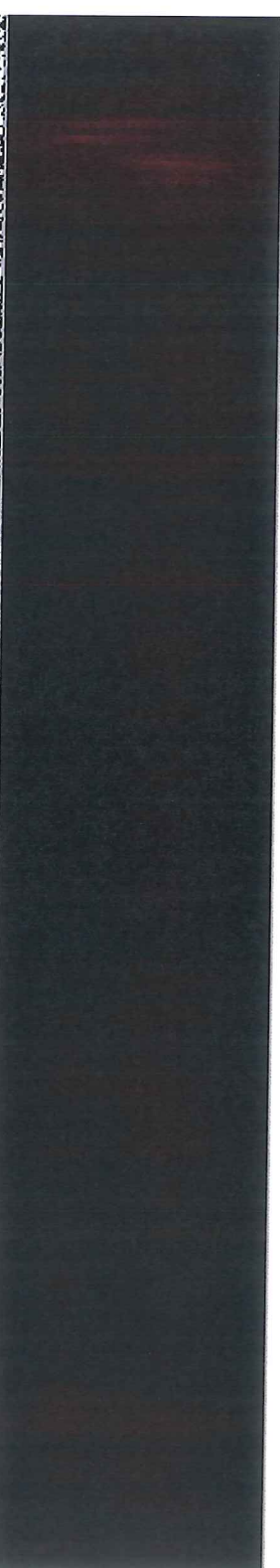
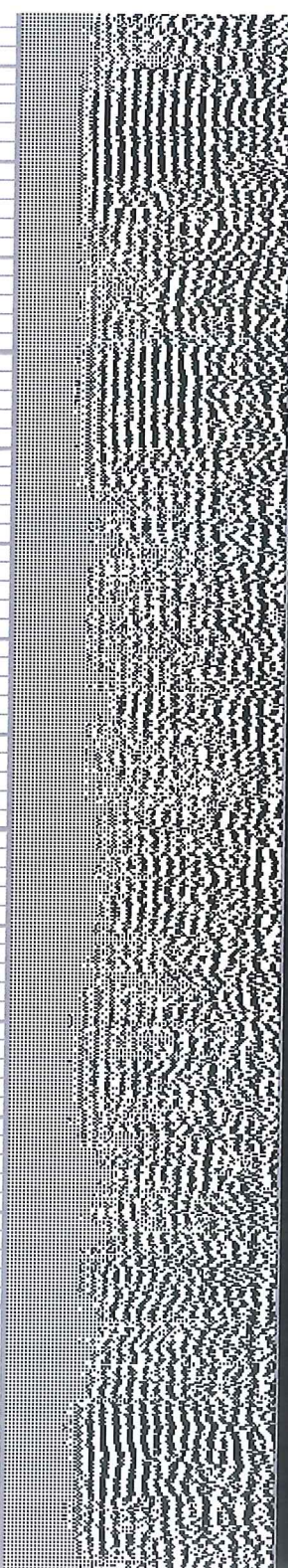
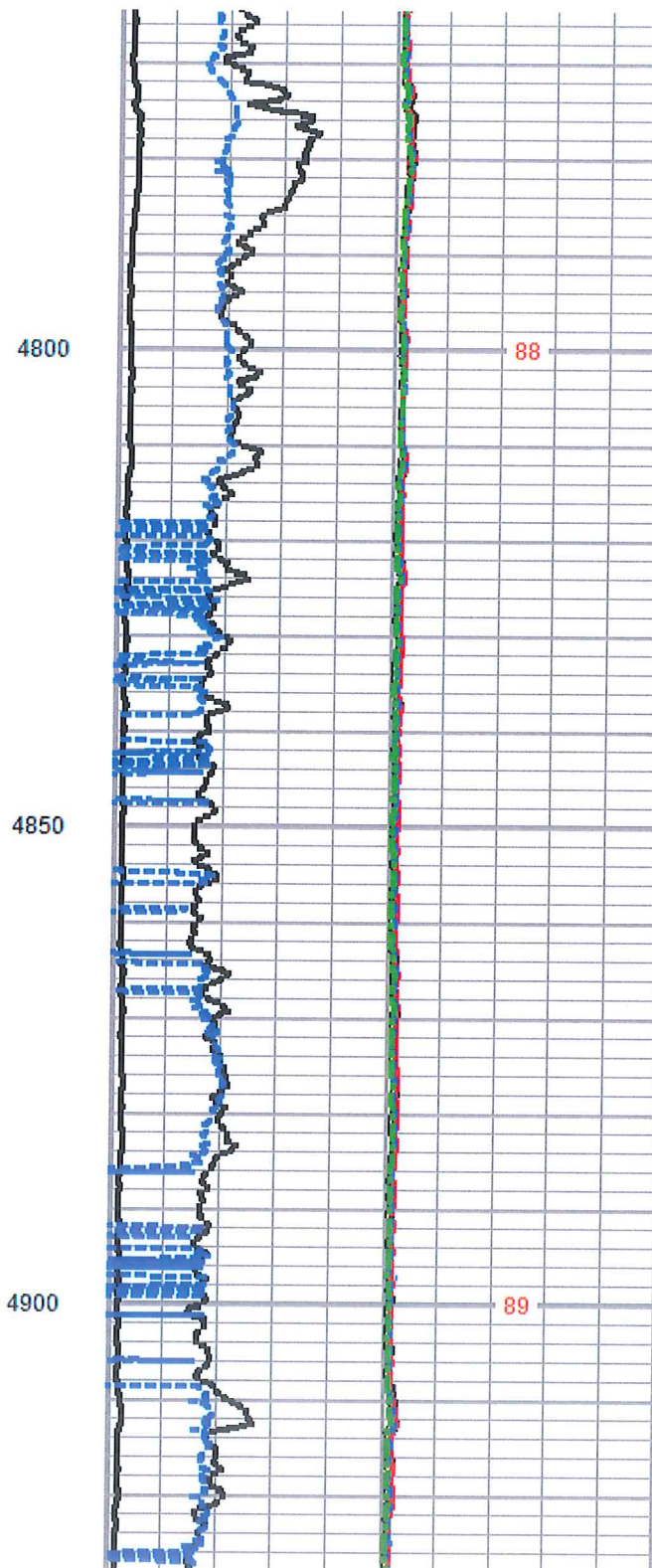
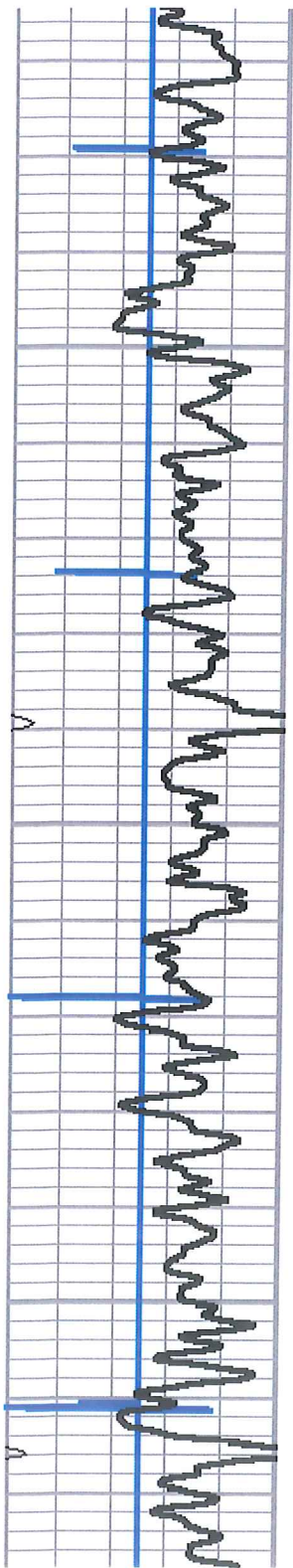


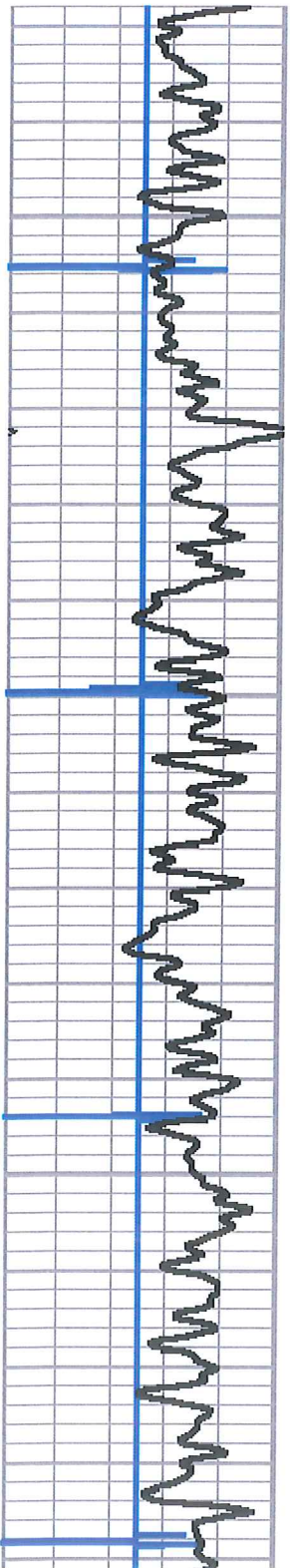




86



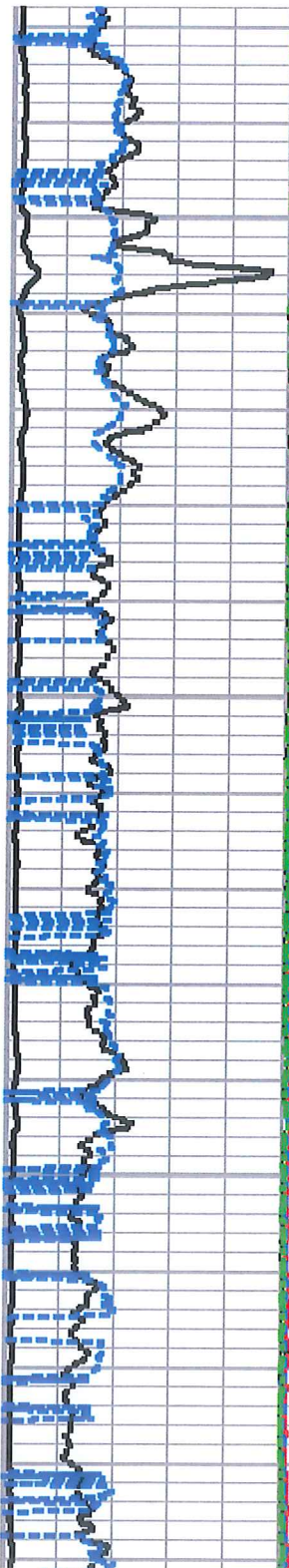




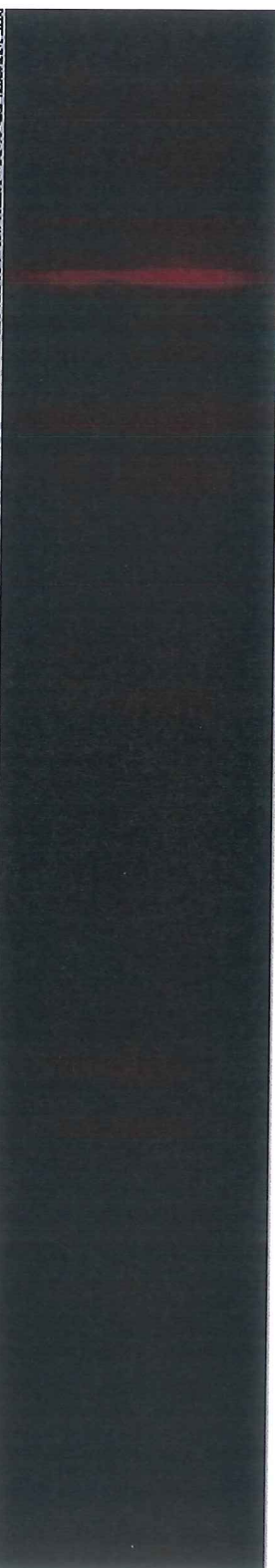
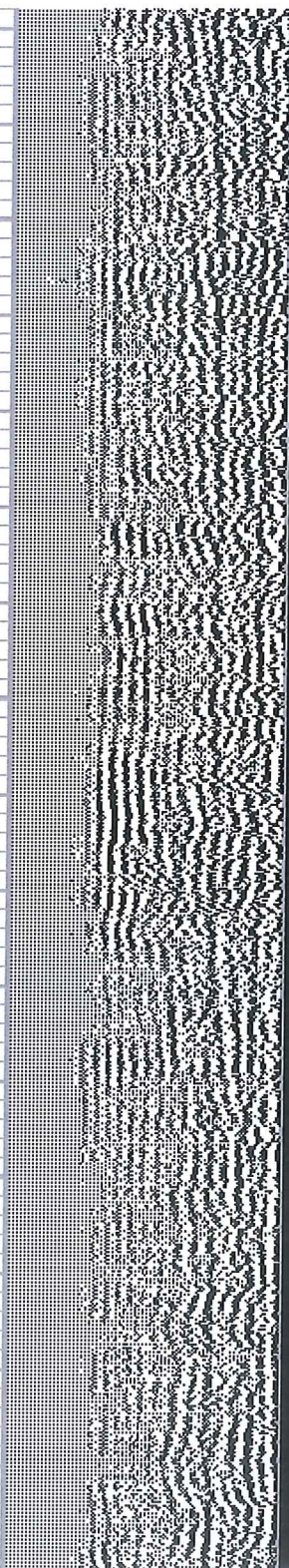
4950

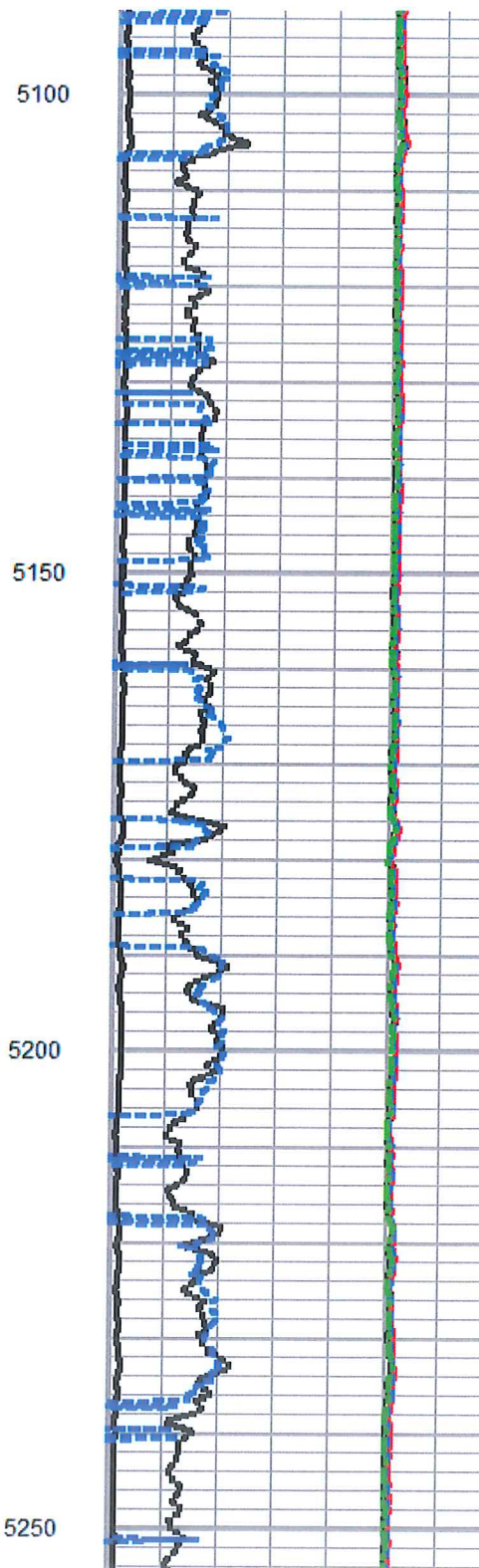
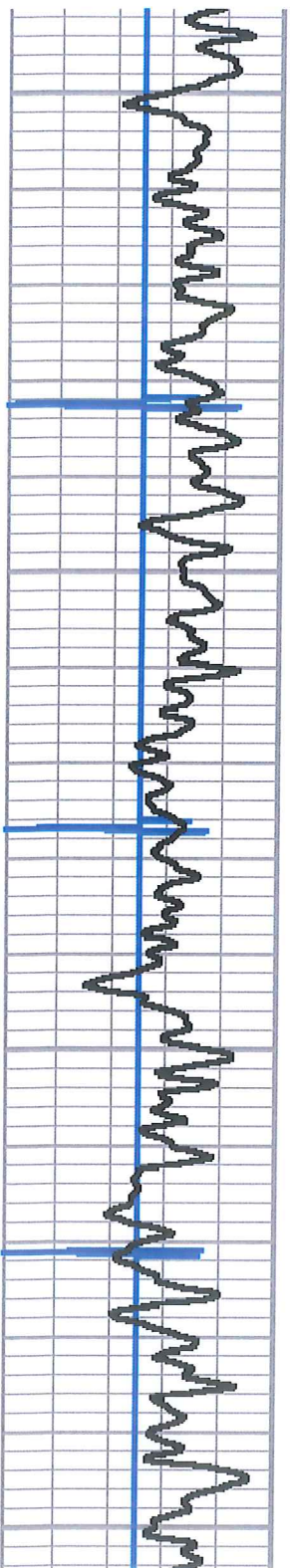
5000

5050



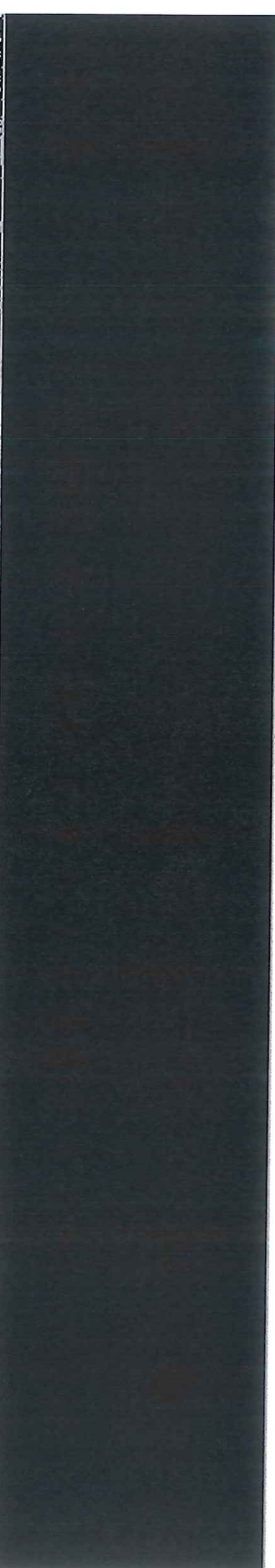
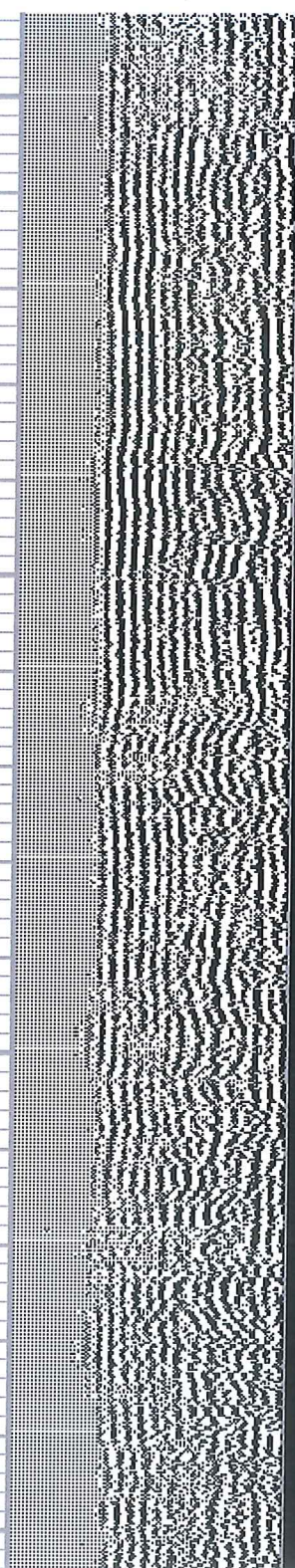
90

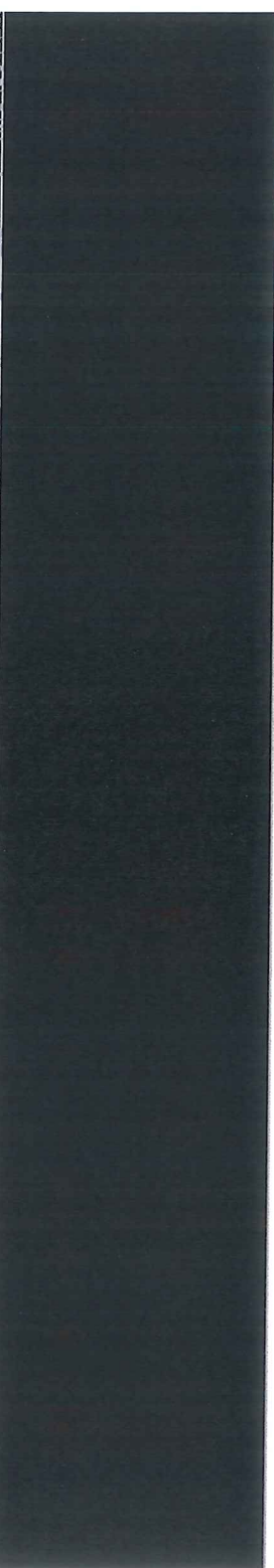
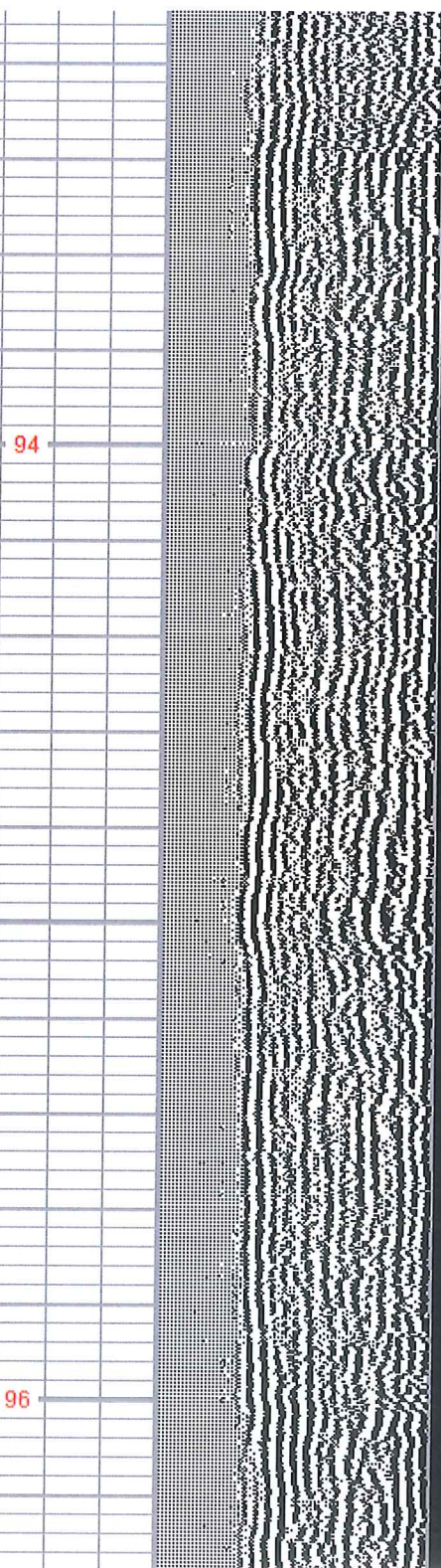
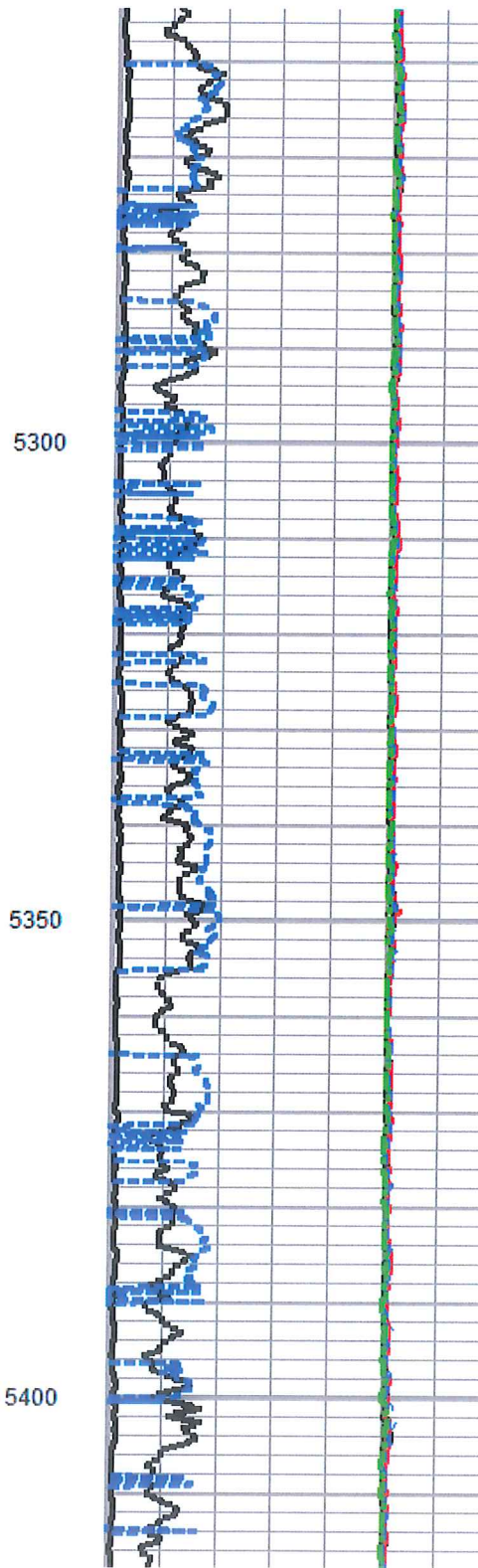
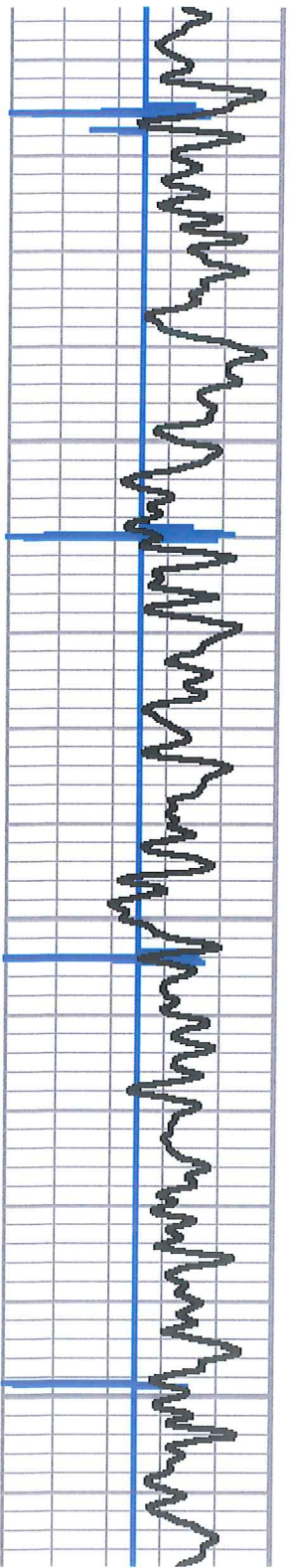


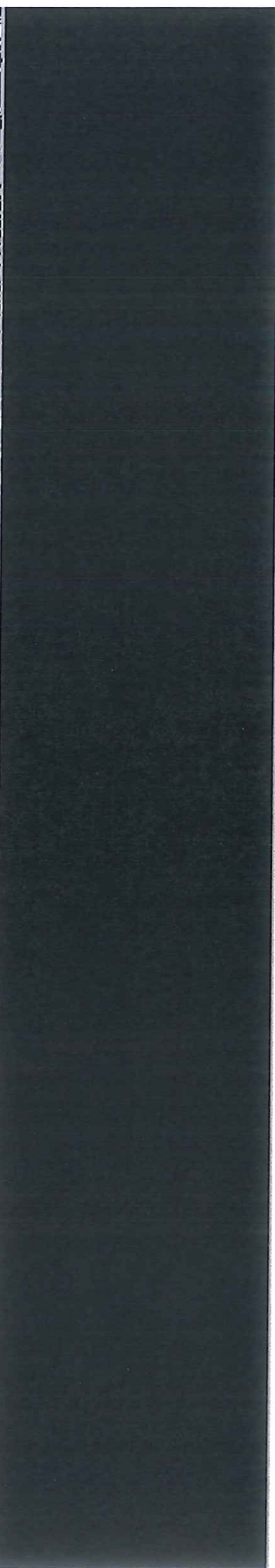
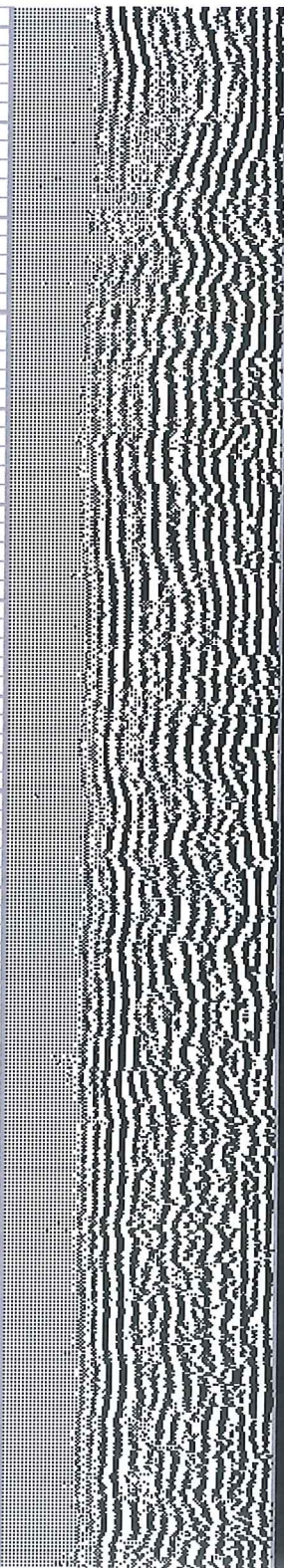
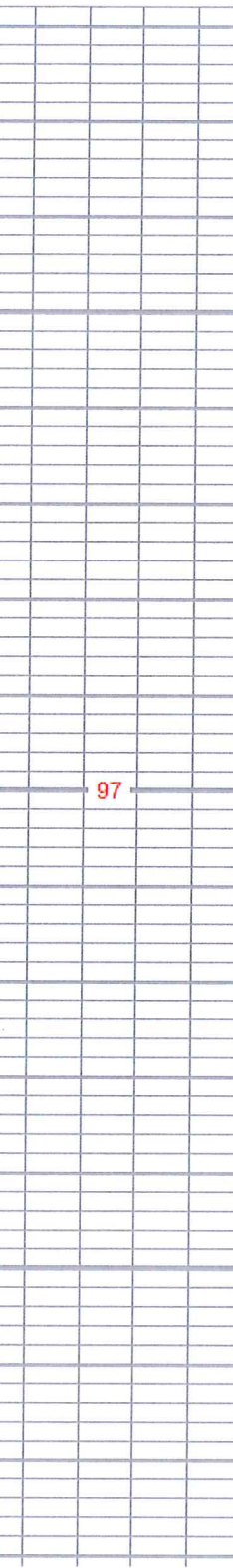
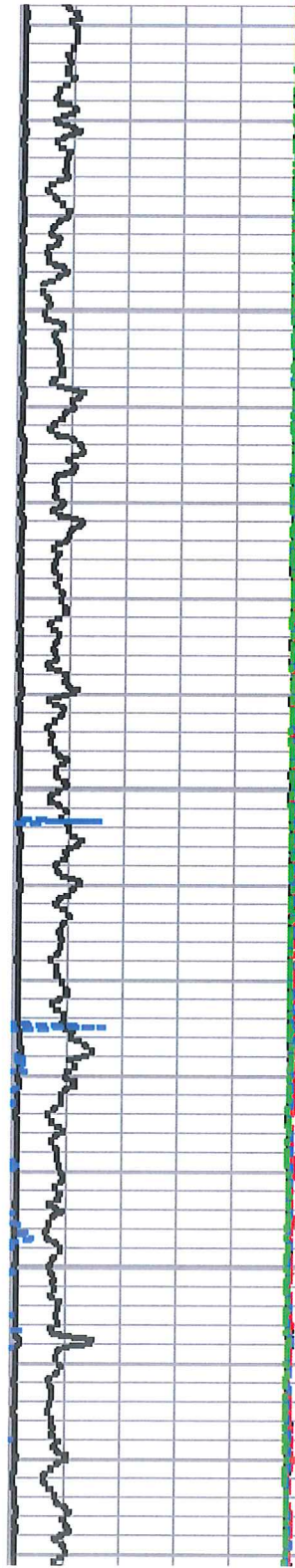
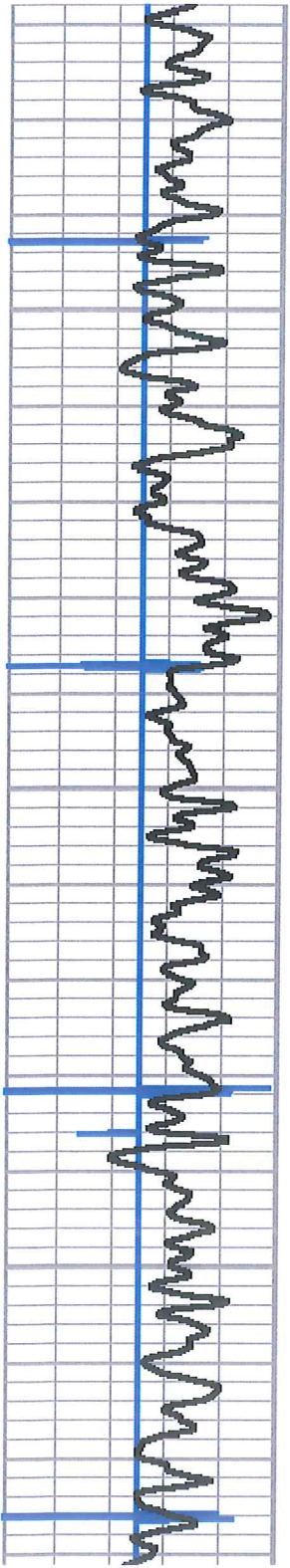


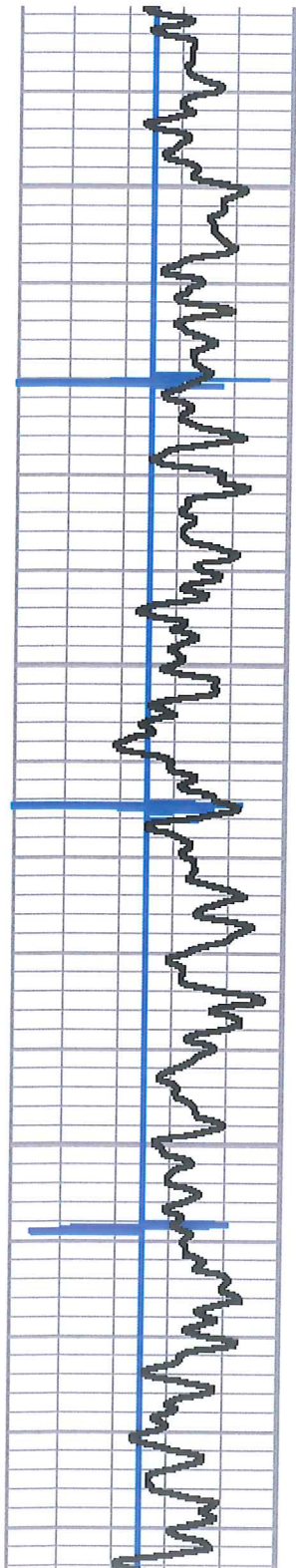
92

93





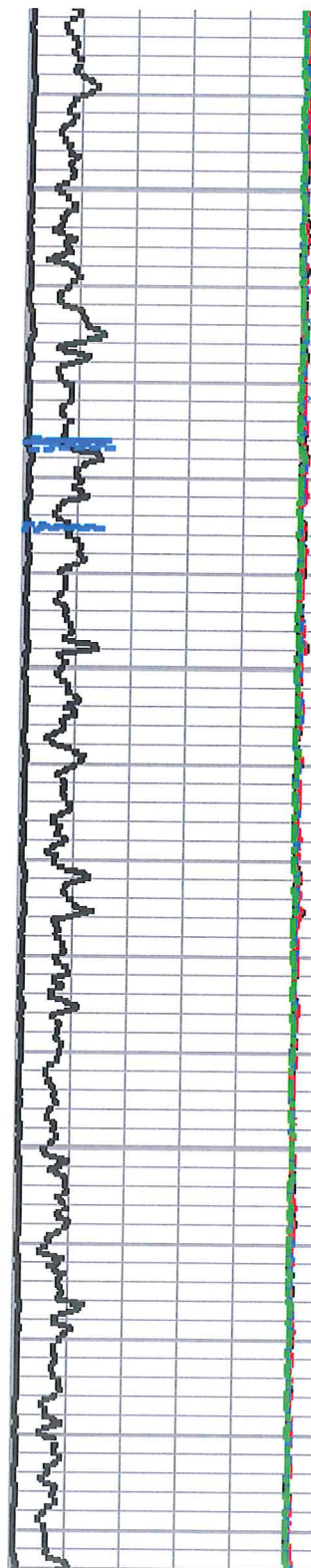




5600

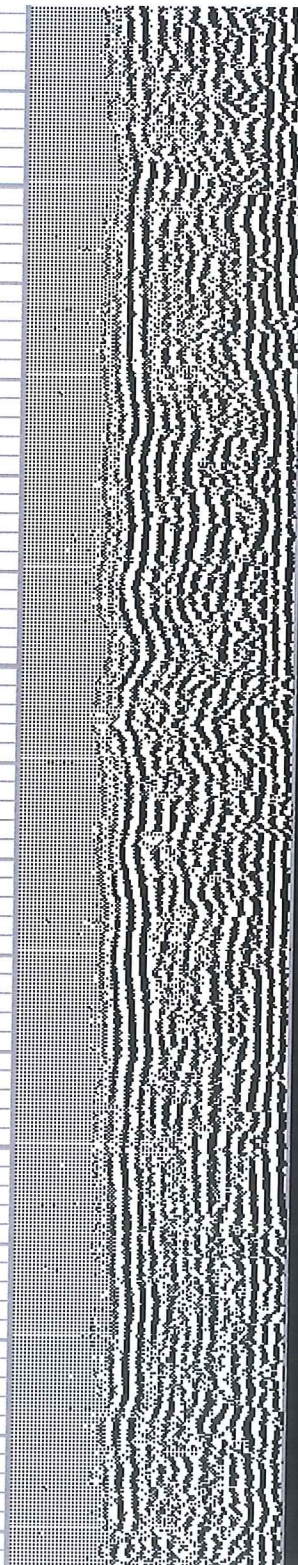
5650

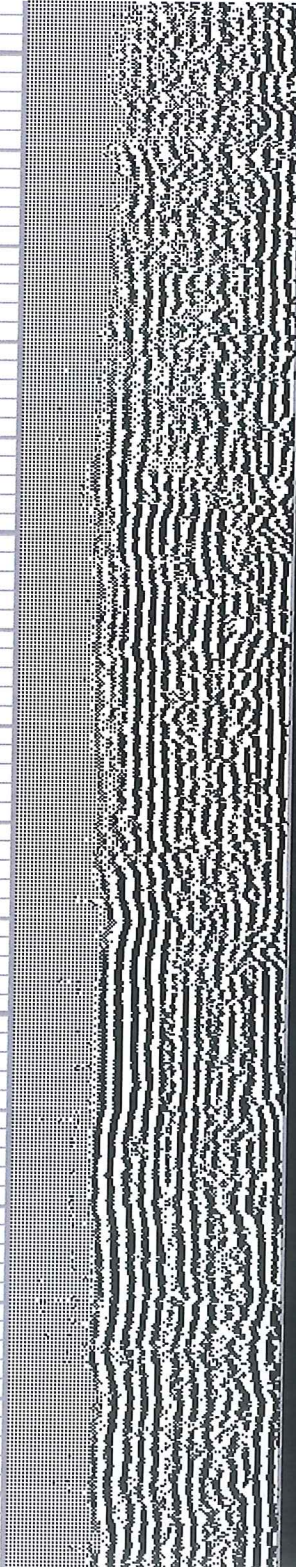
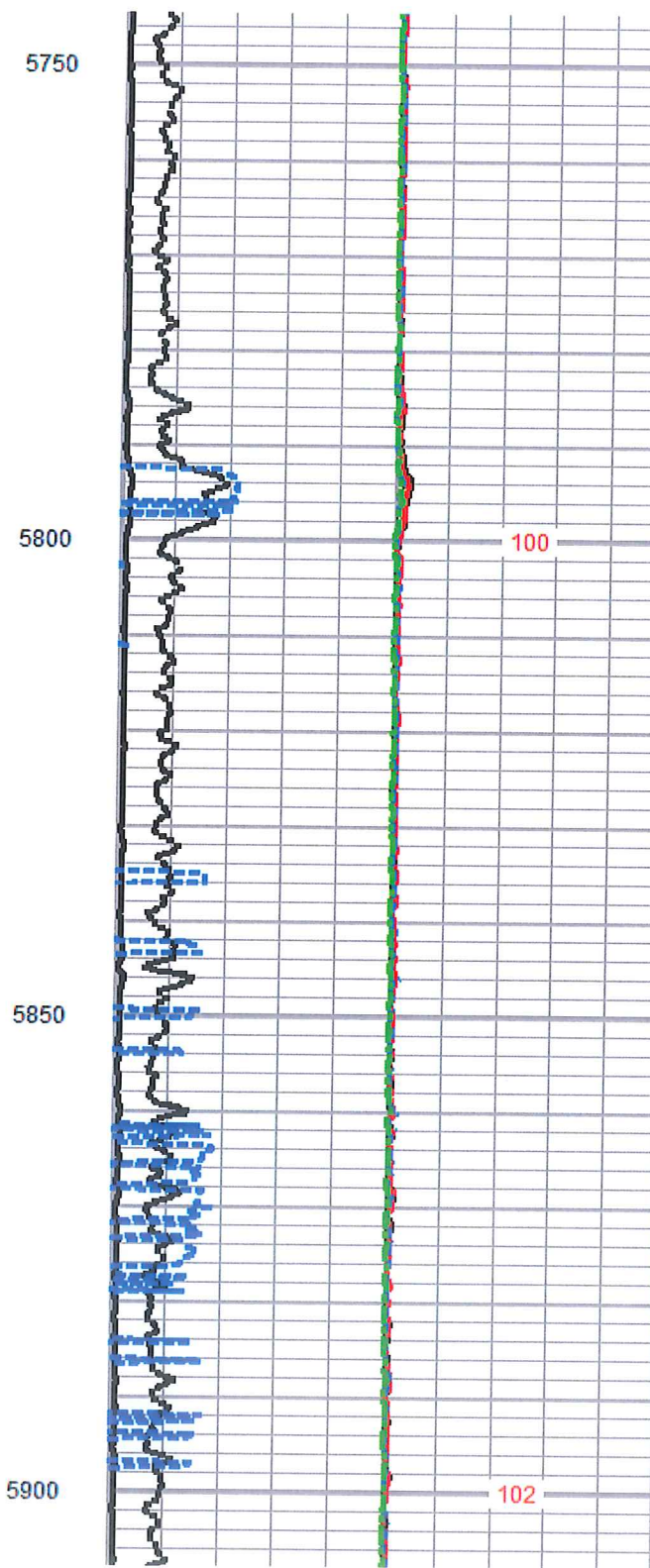
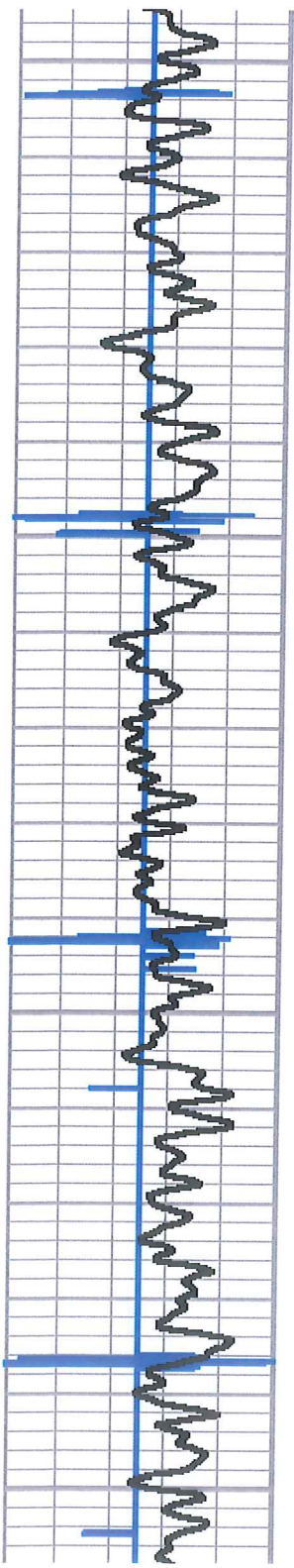
5700

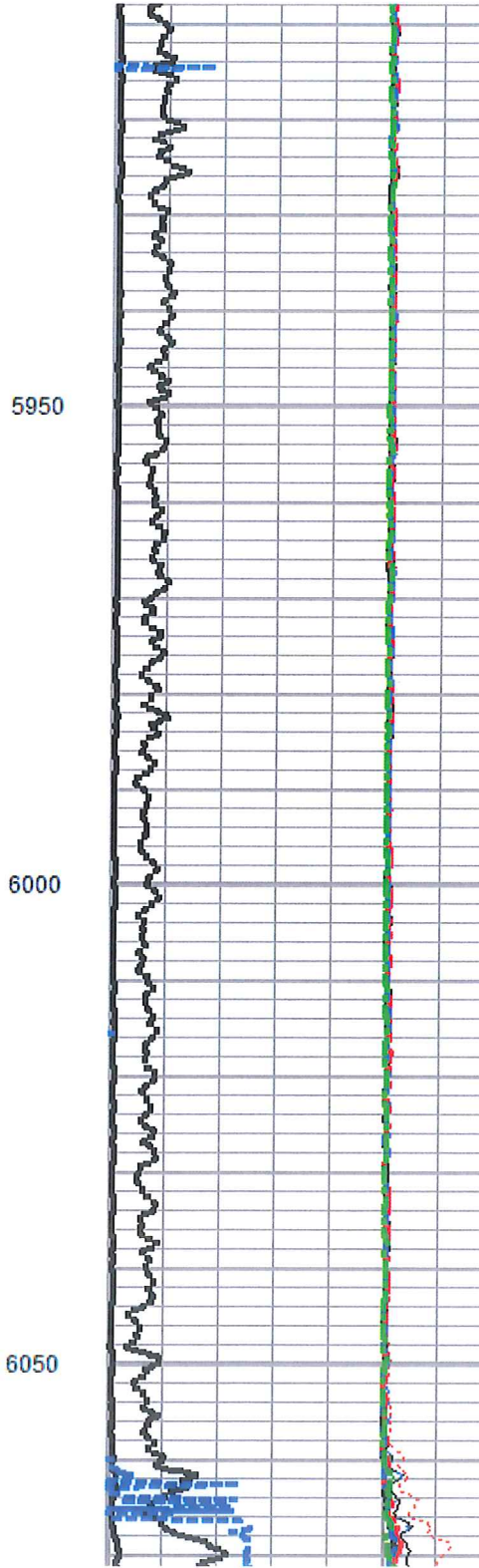
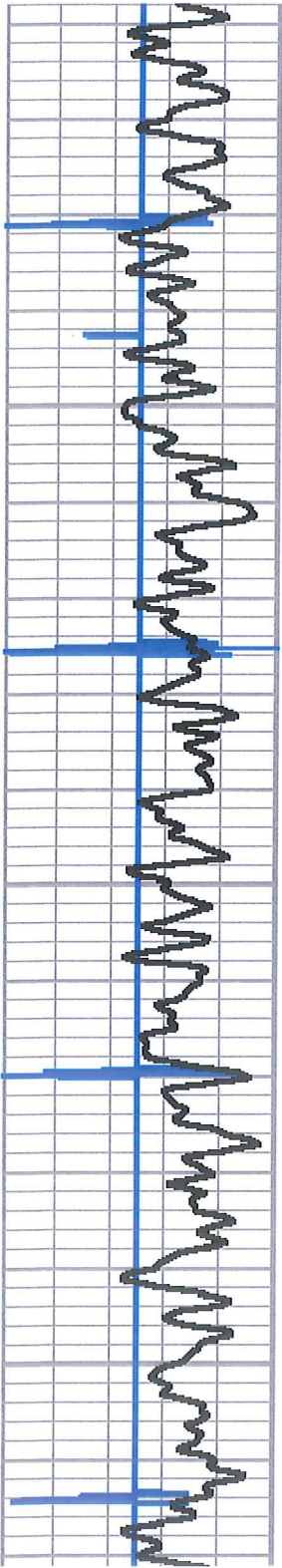


98

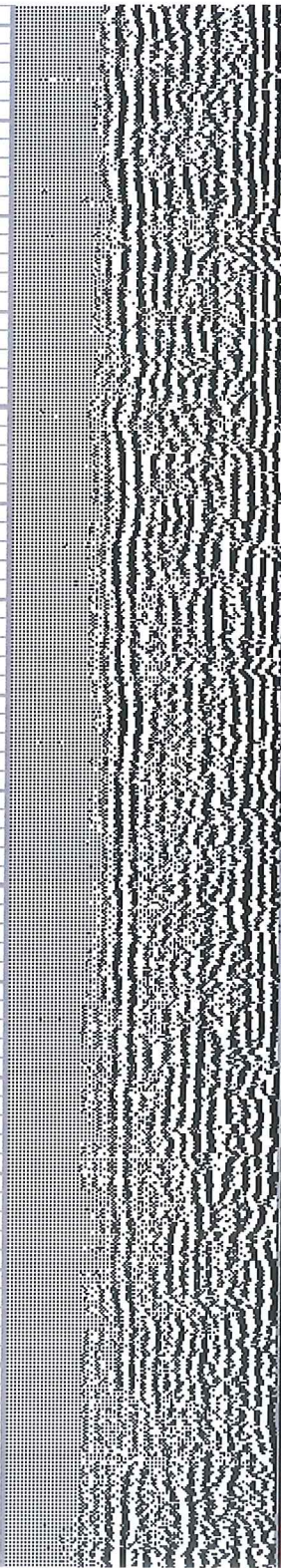
99

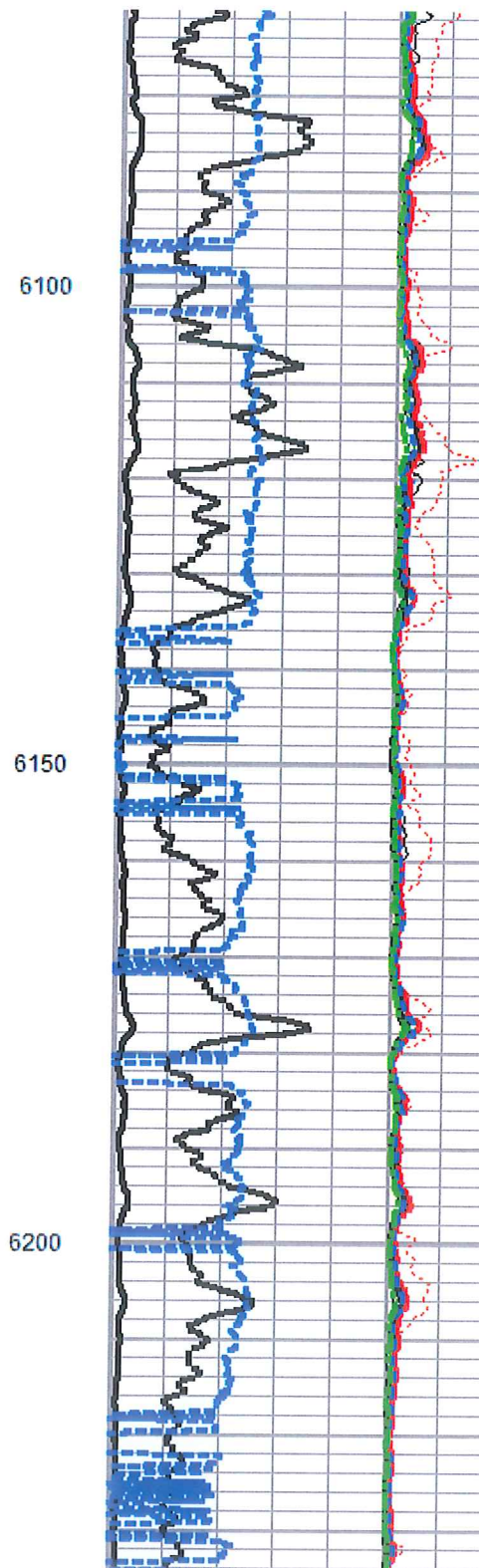
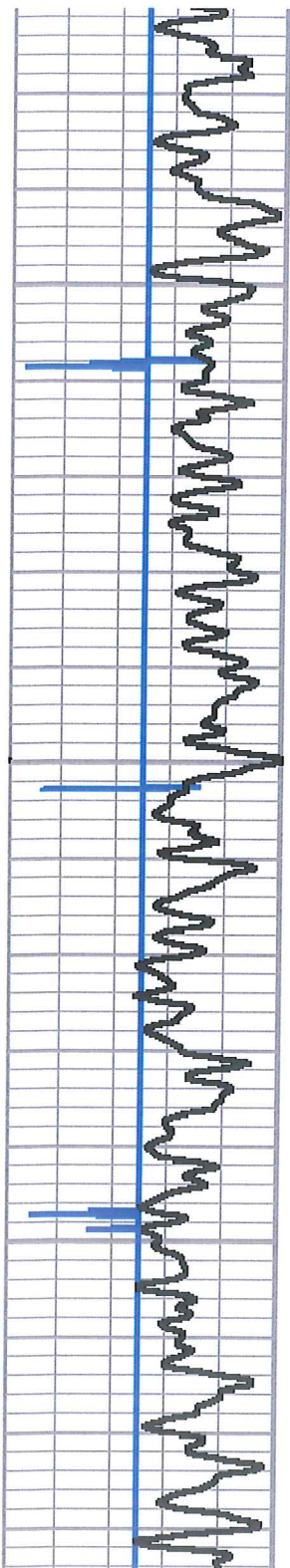






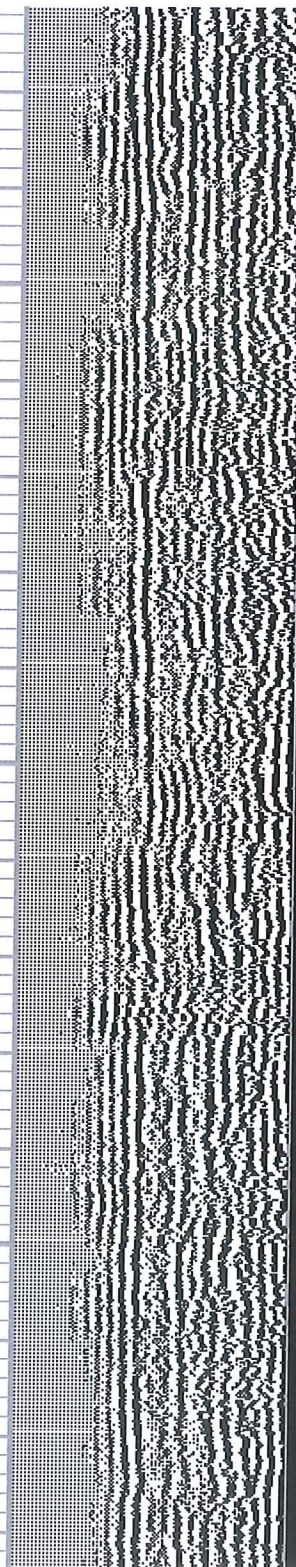
103

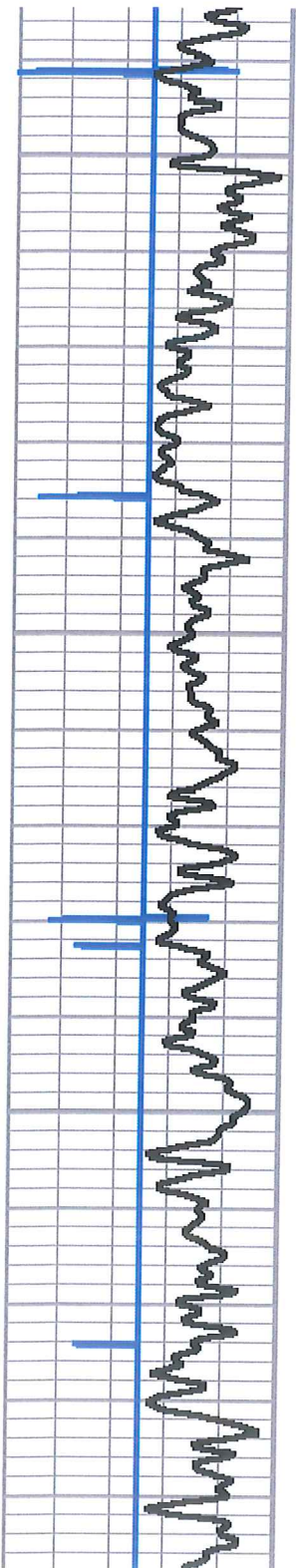




104

105

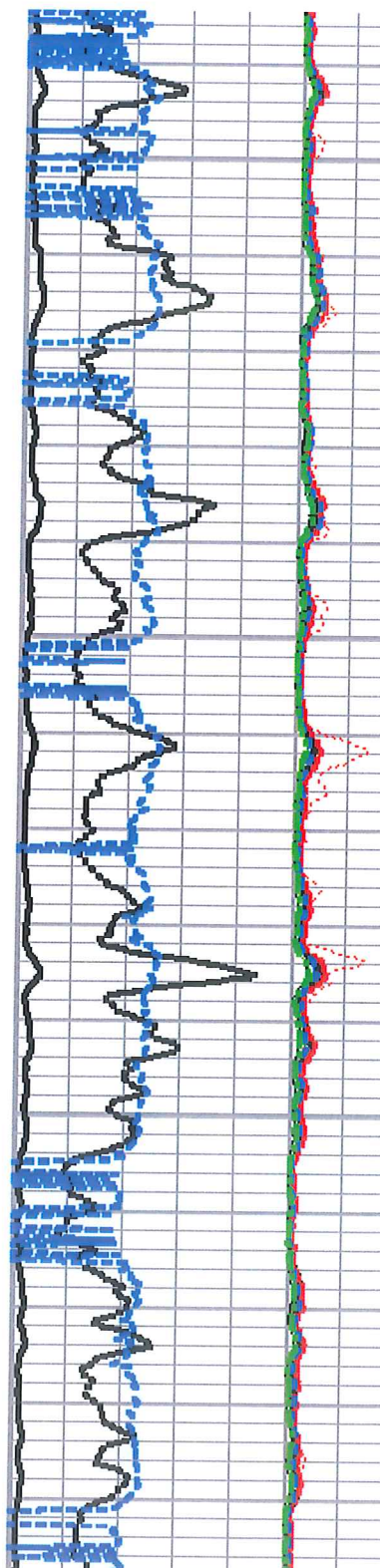




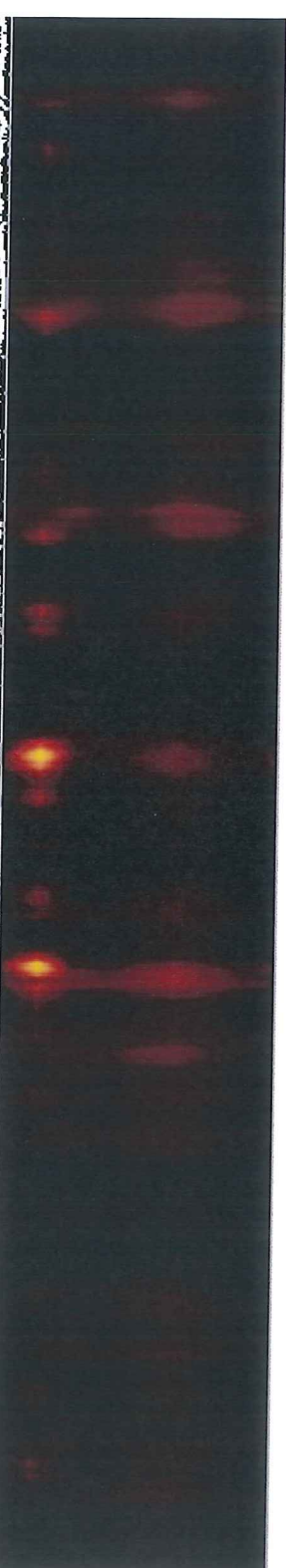
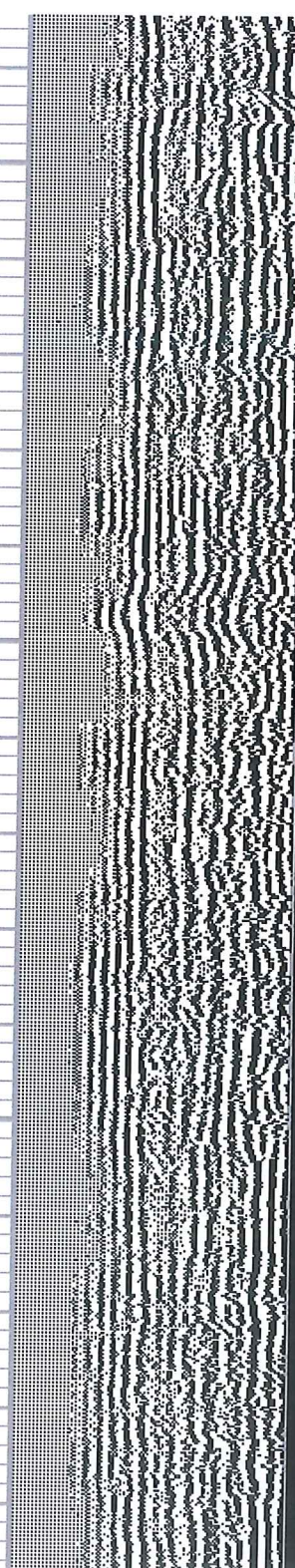
6250

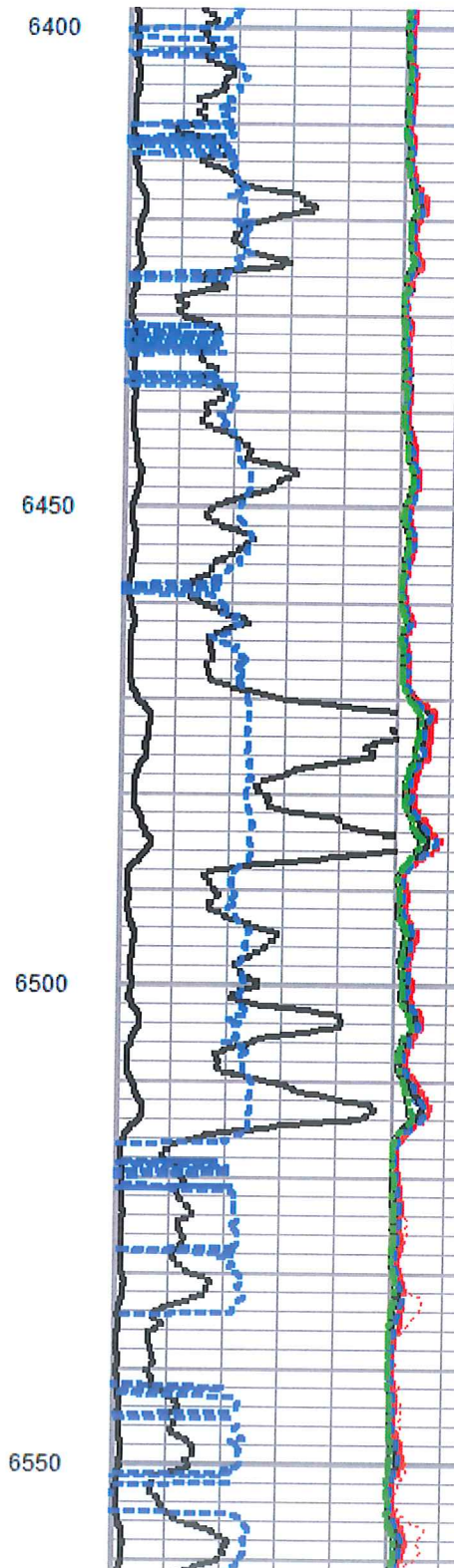
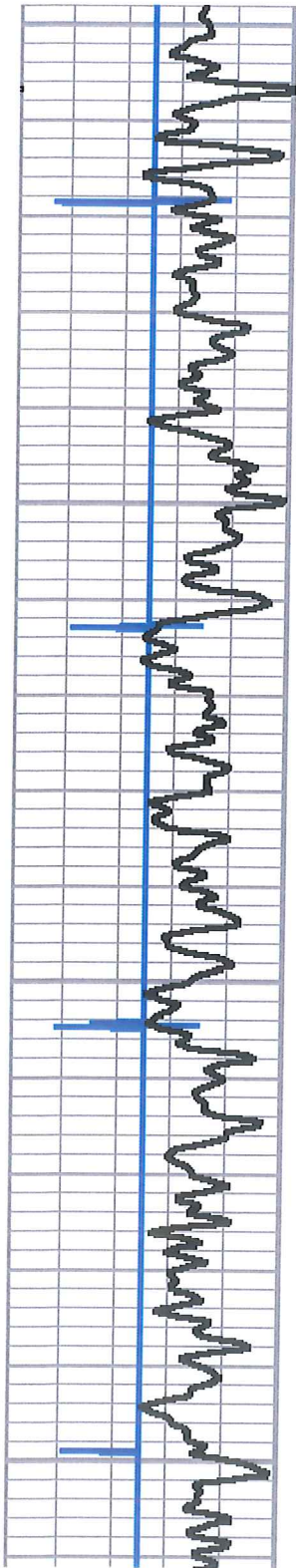
6300

6350



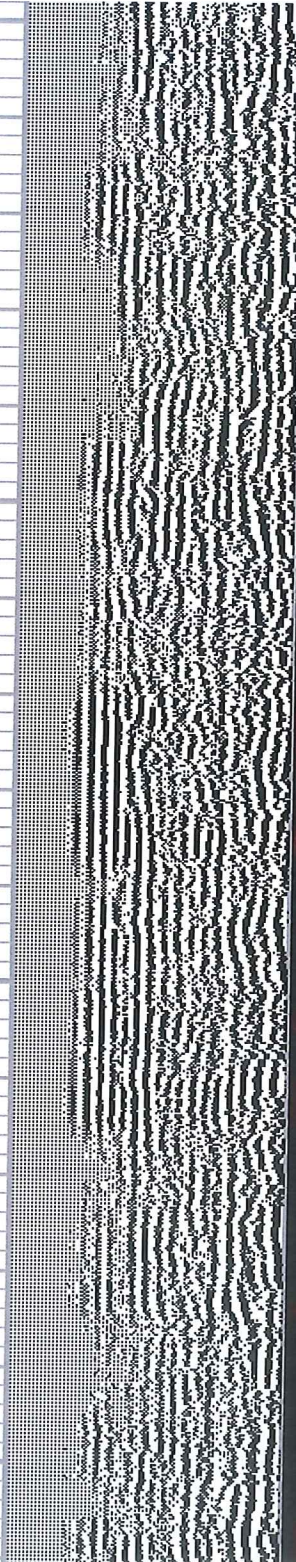
107

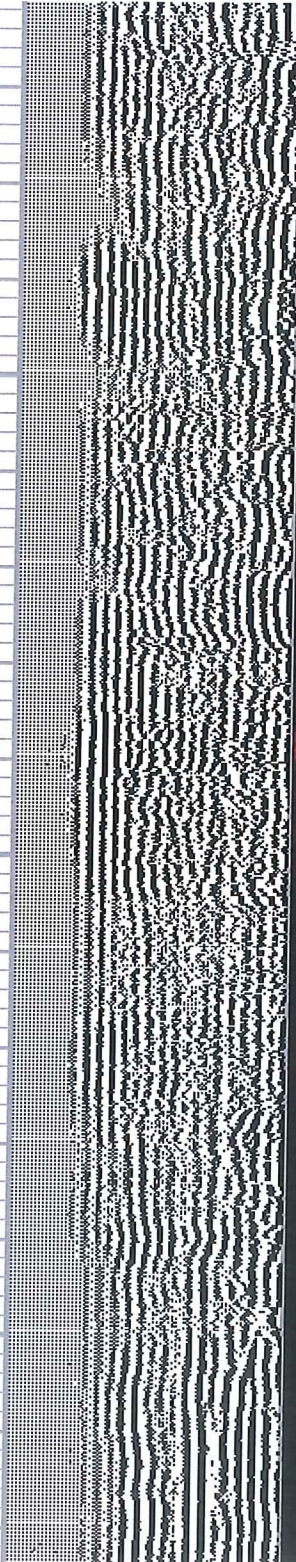
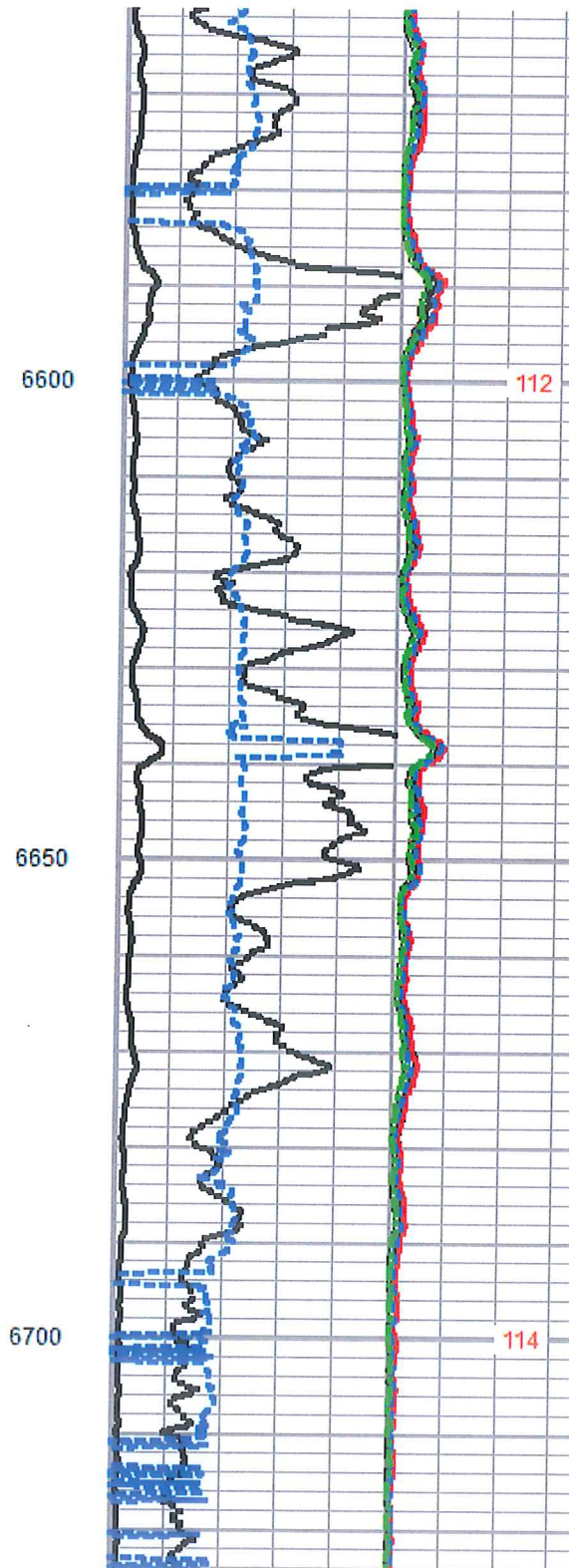
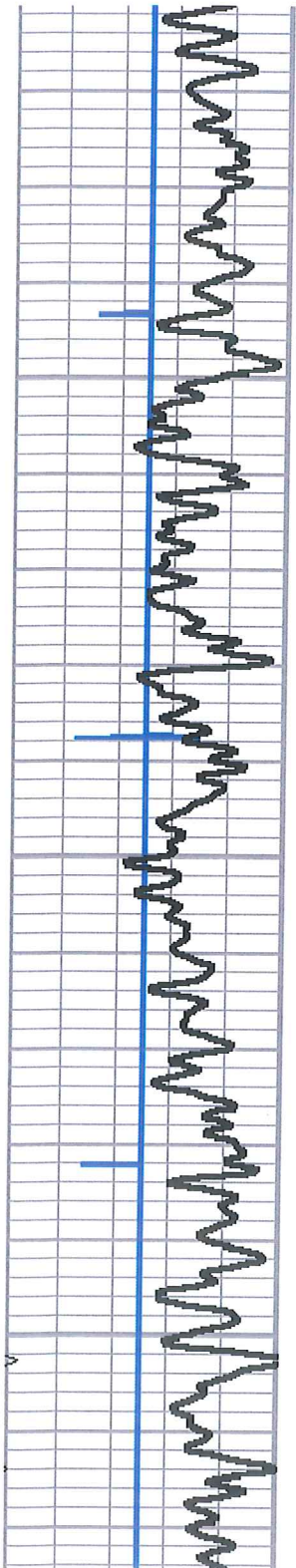


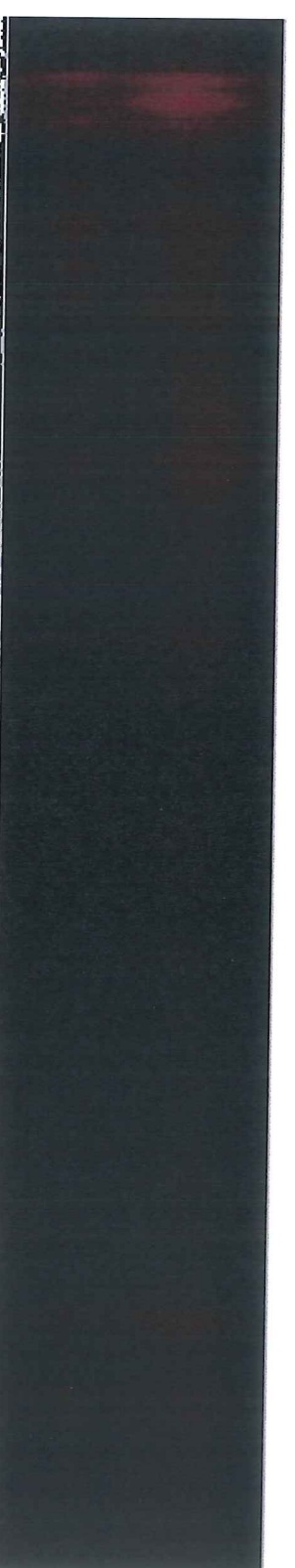
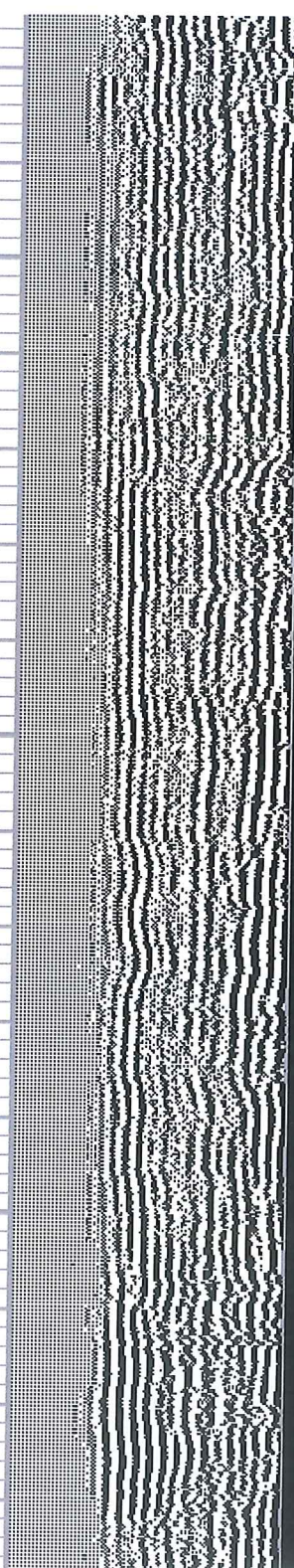
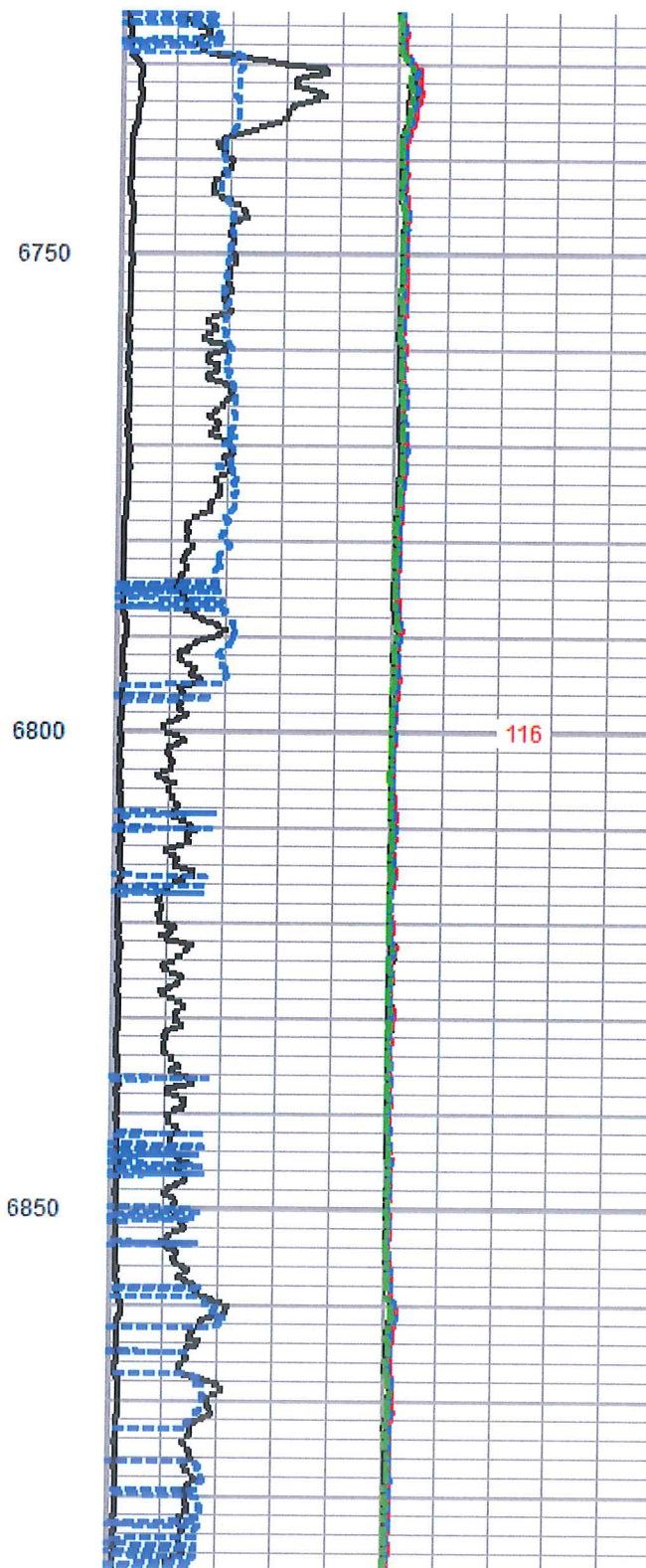
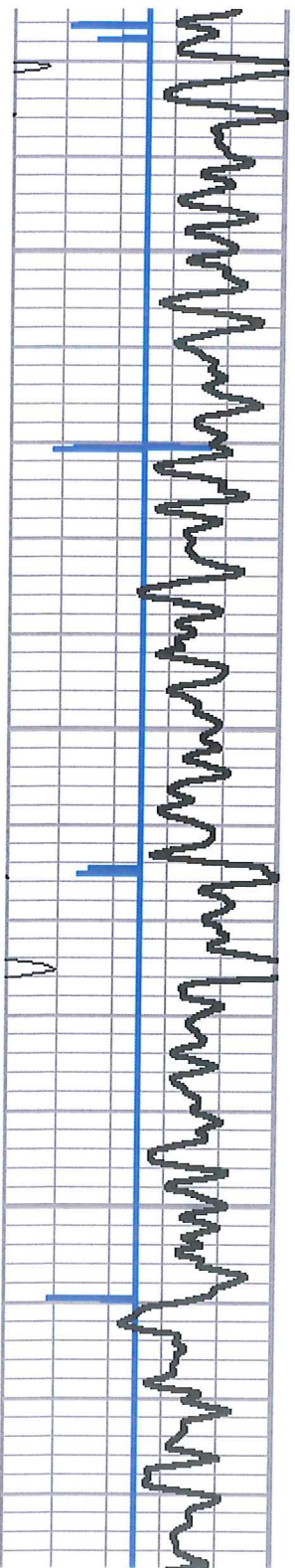


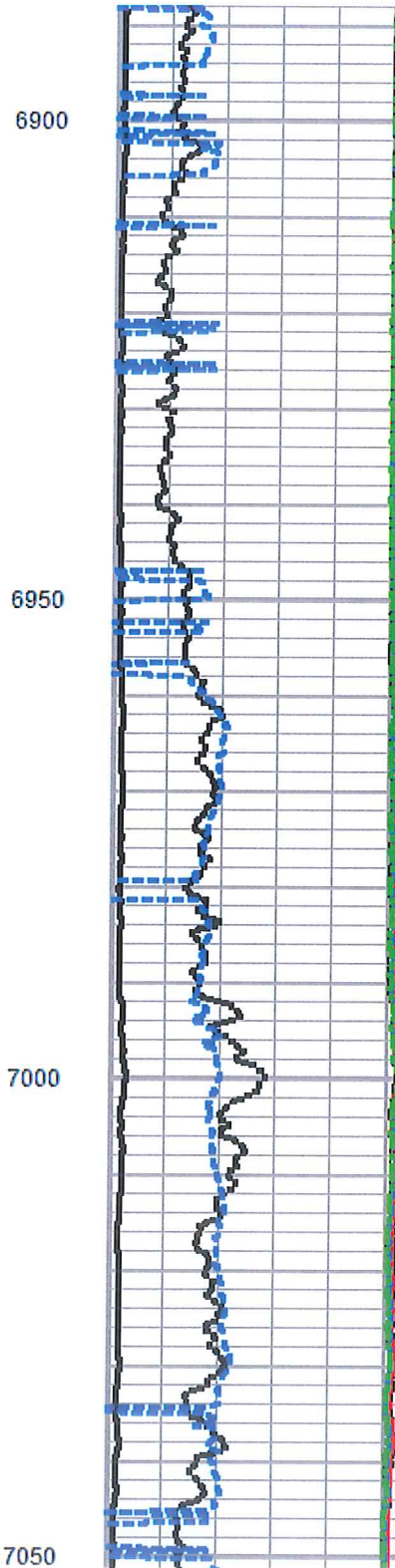
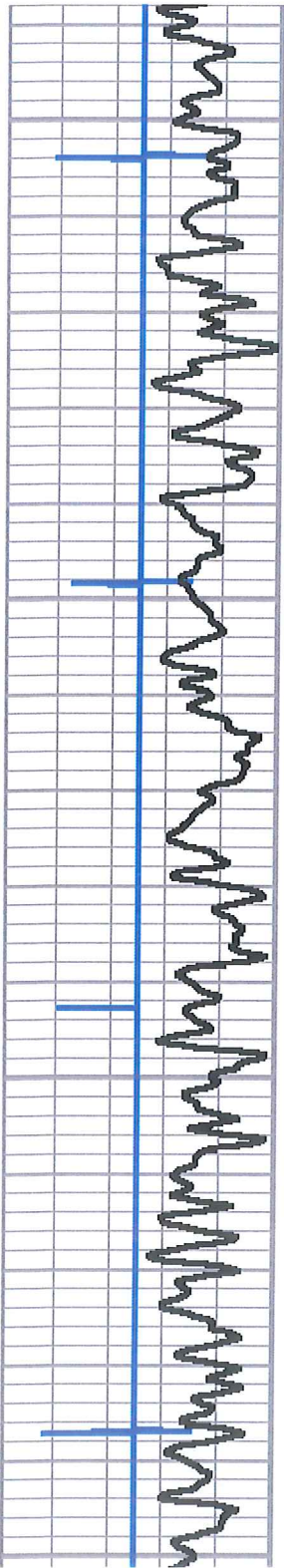
109

110



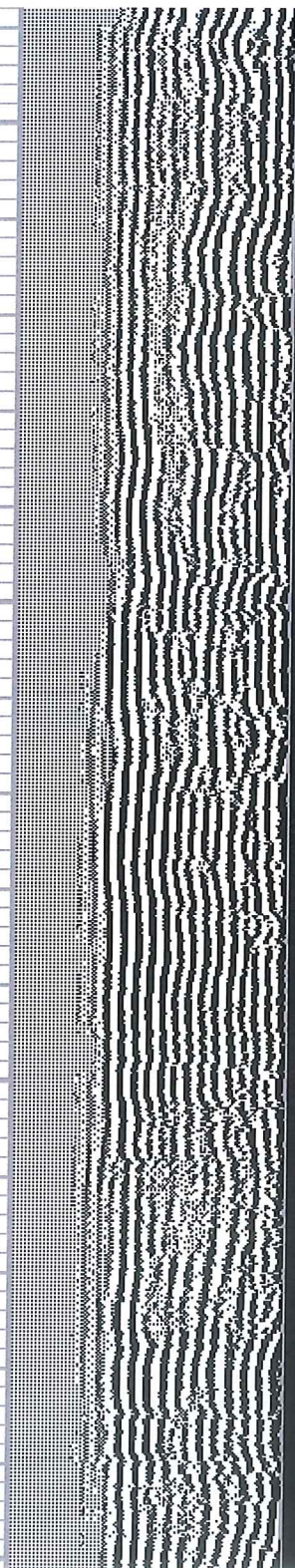


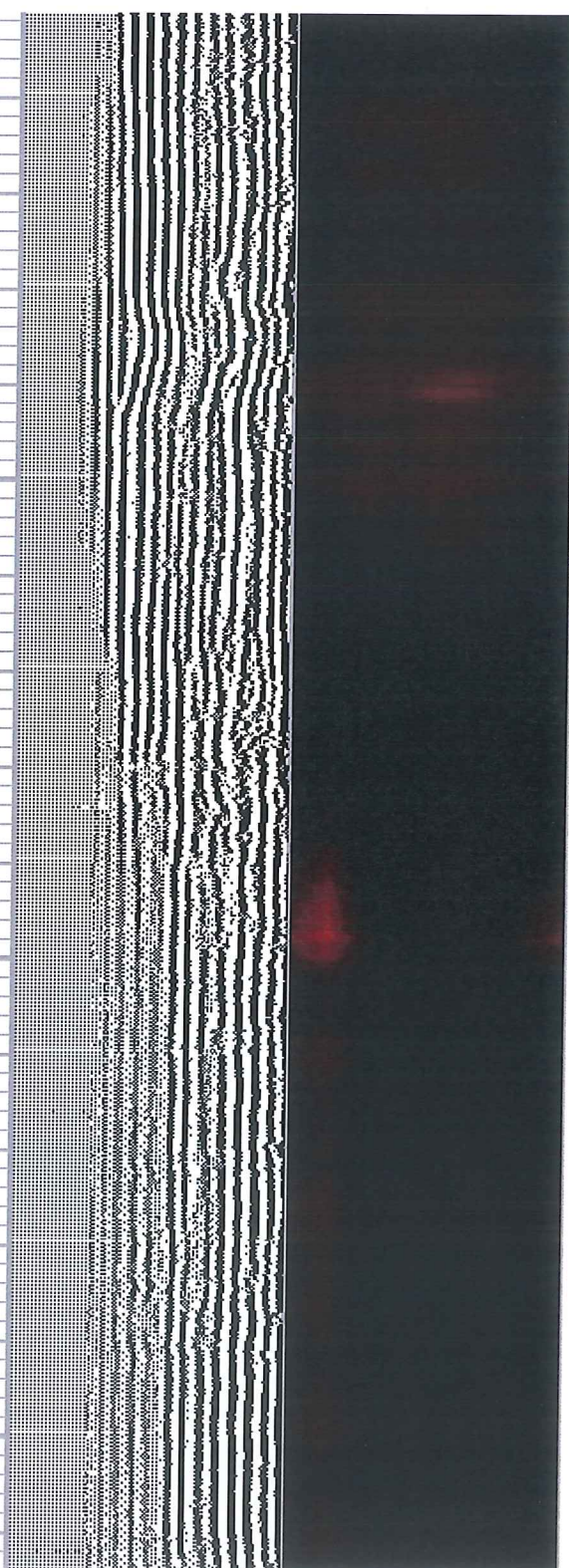
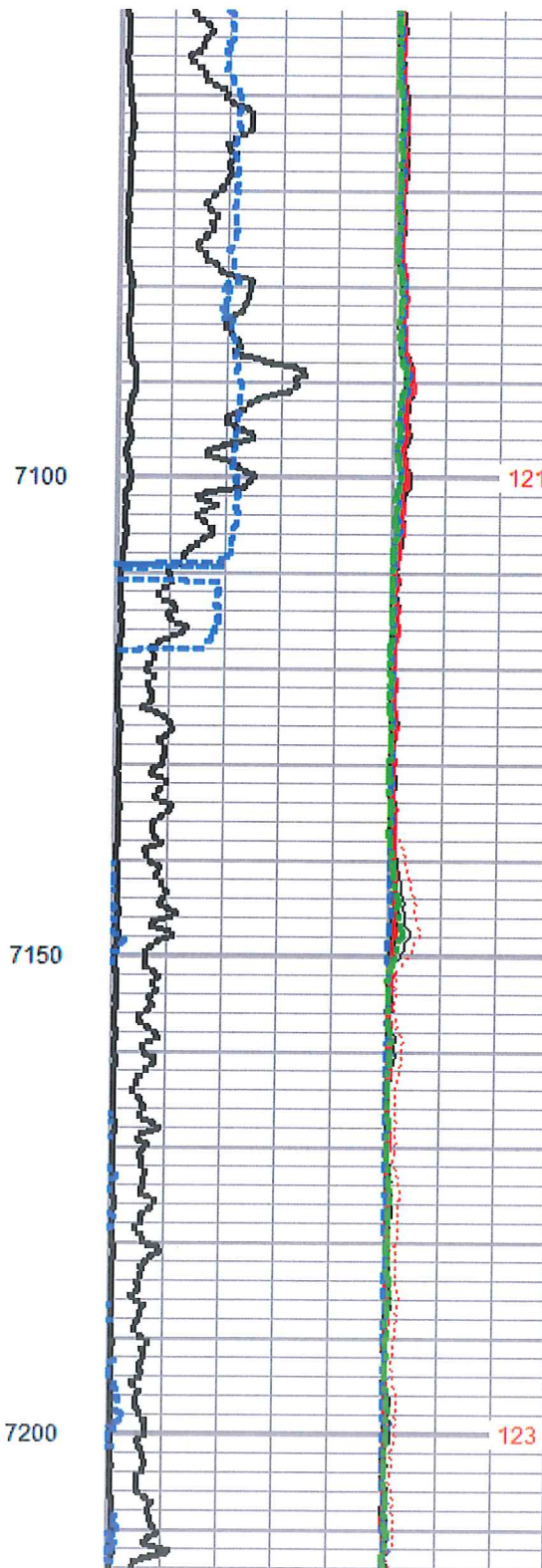
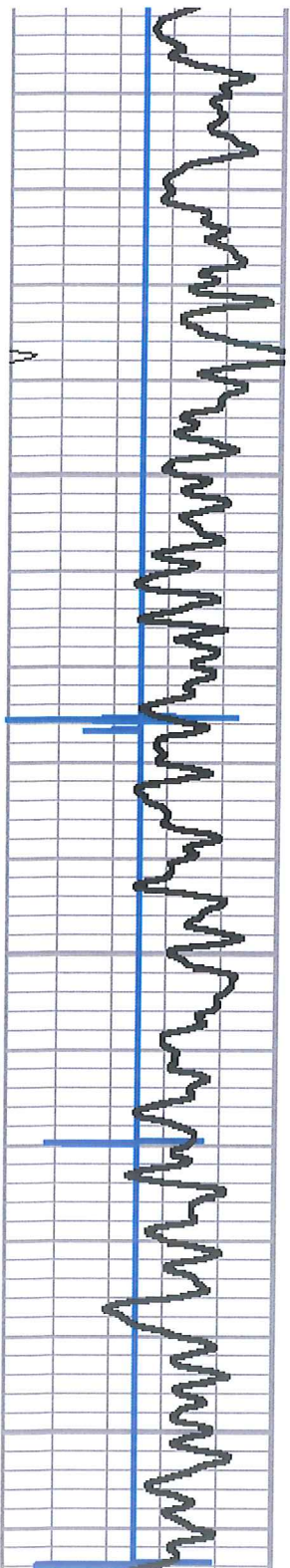


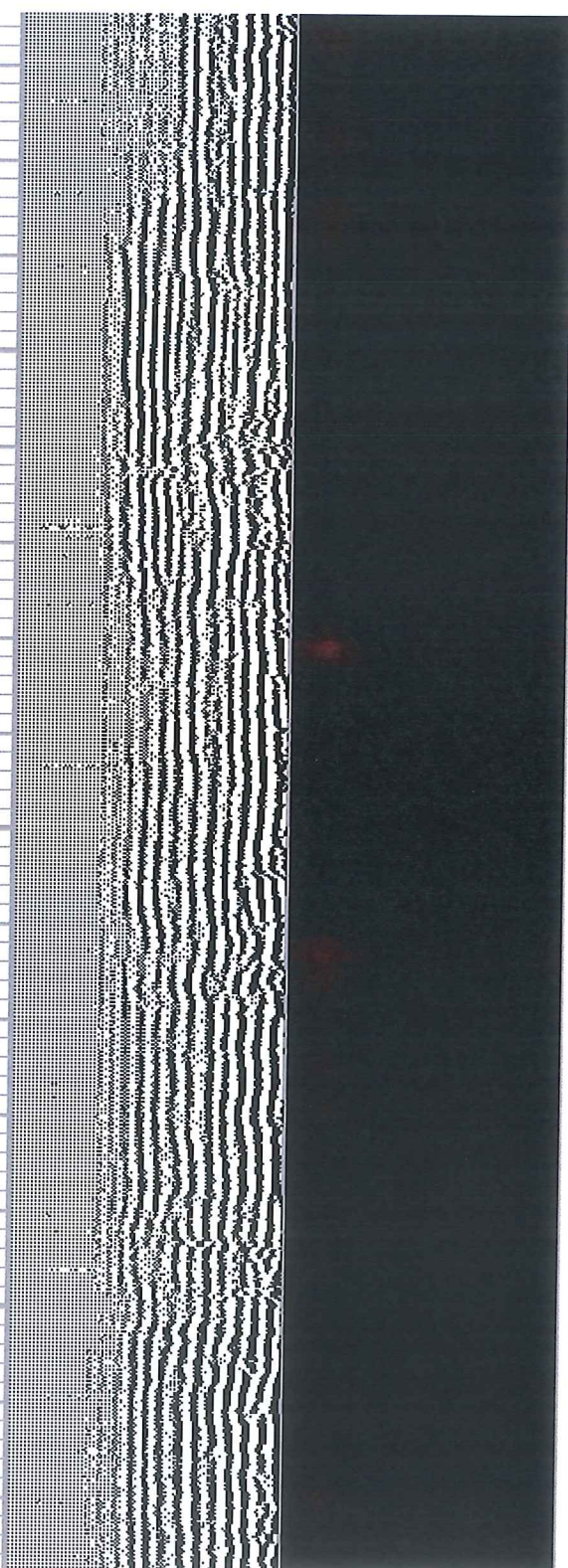
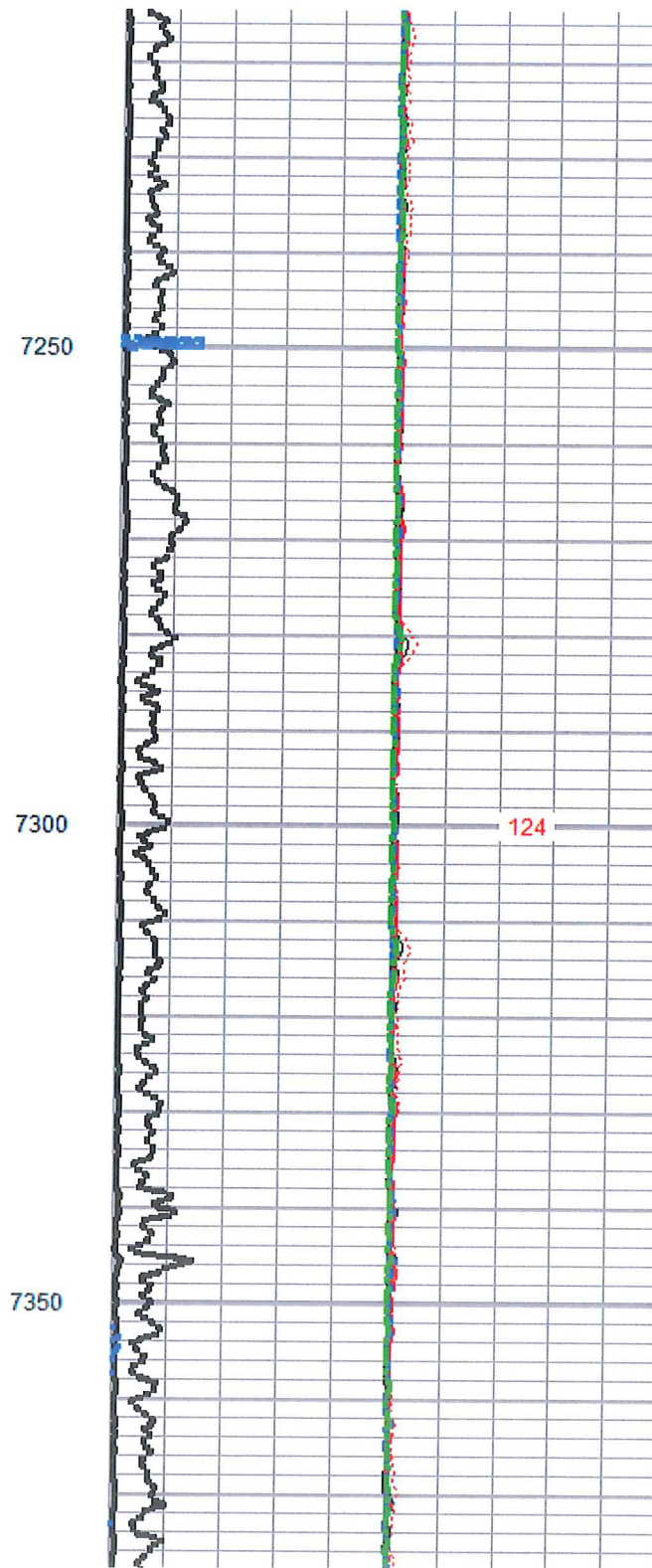
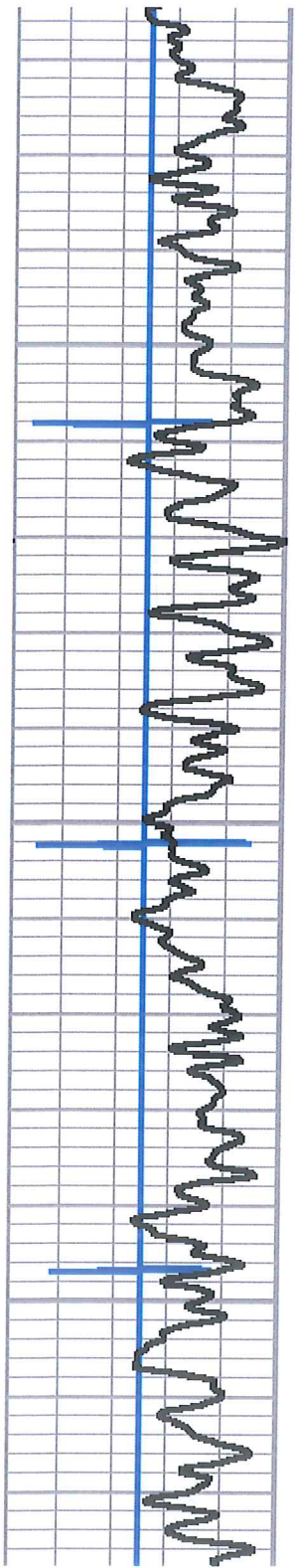


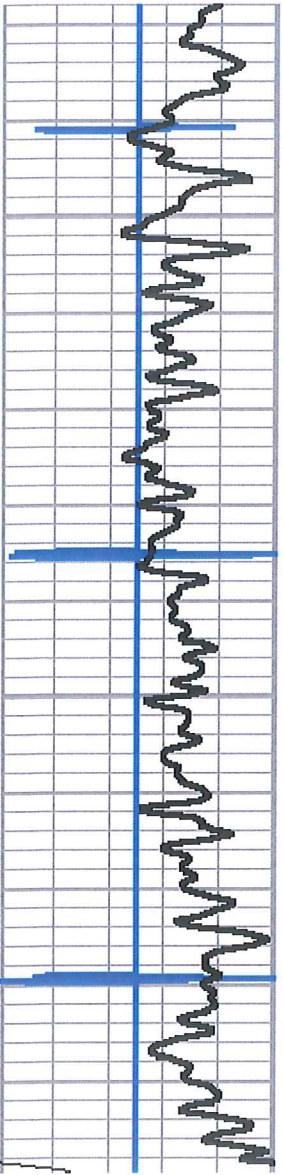
118

119



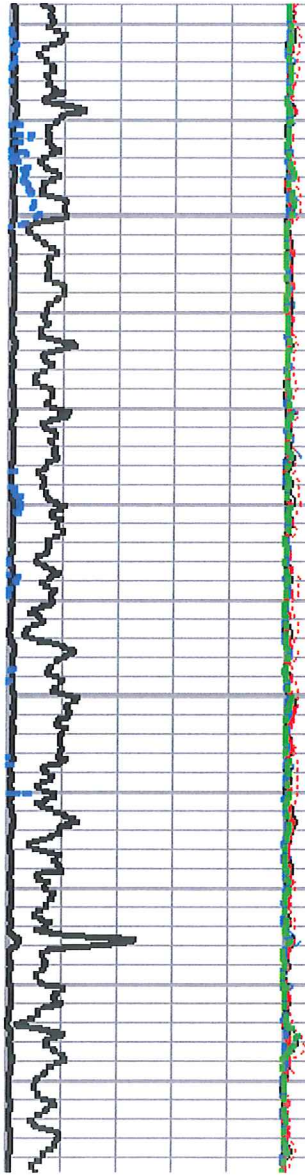






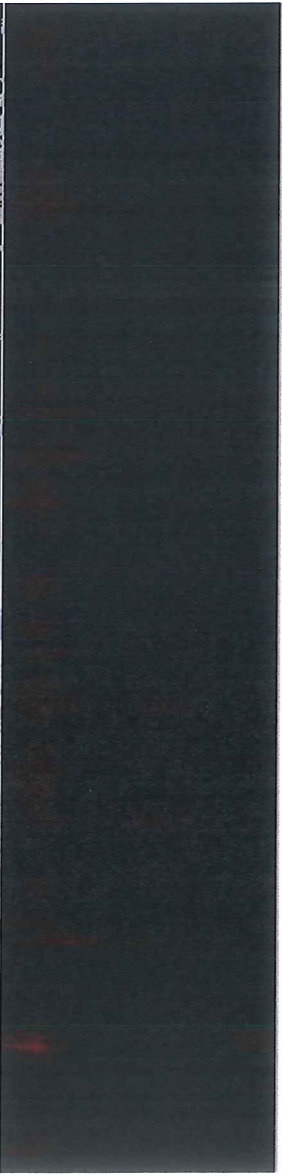
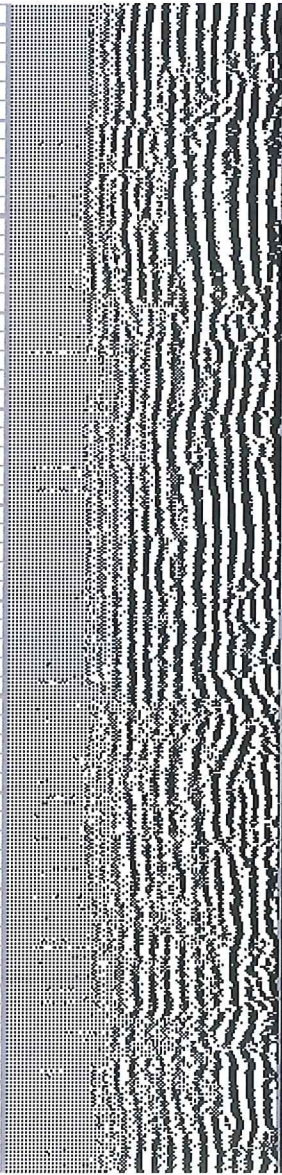
7400

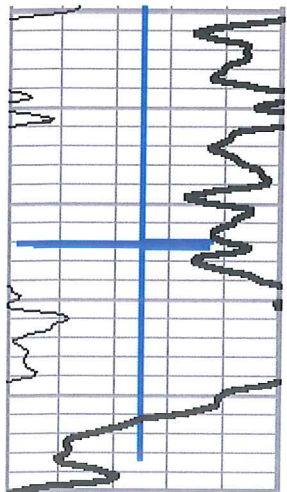
7450



125

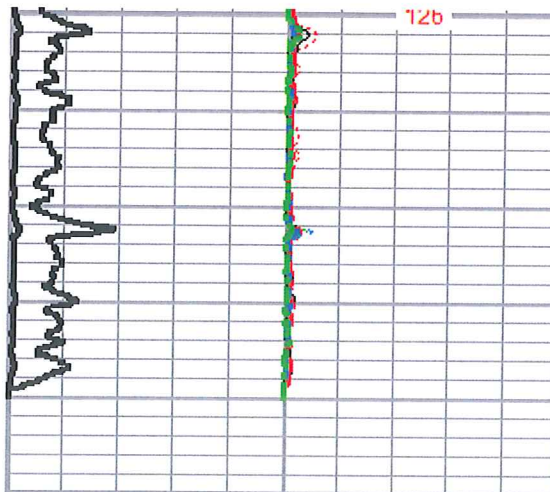
130





-2	CCL	2
0	GR (GAPI)	200
200	GR (GAPI)	400

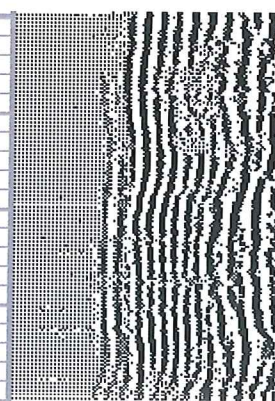
7500



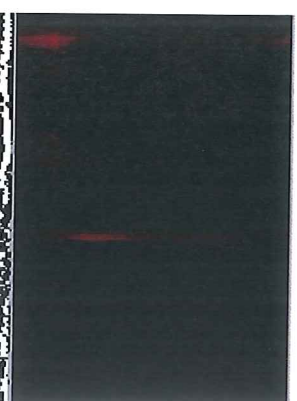
0	AMP (mV)	100	0	AMPS1	150
0	AMPx10 (mV)	10	0	AMPS2	150
350	TT (usec)	250	0	AMPS3	150
			0	AMPS4	150
			0	AMPS5	150
			0	AMPS6	150
			0	AMPS7	150
			0	AMPS8	150

12b

7550



200	VDL	1200
-----	-----	------



1	Cement Map	8
3		95



0 AMP 30 100

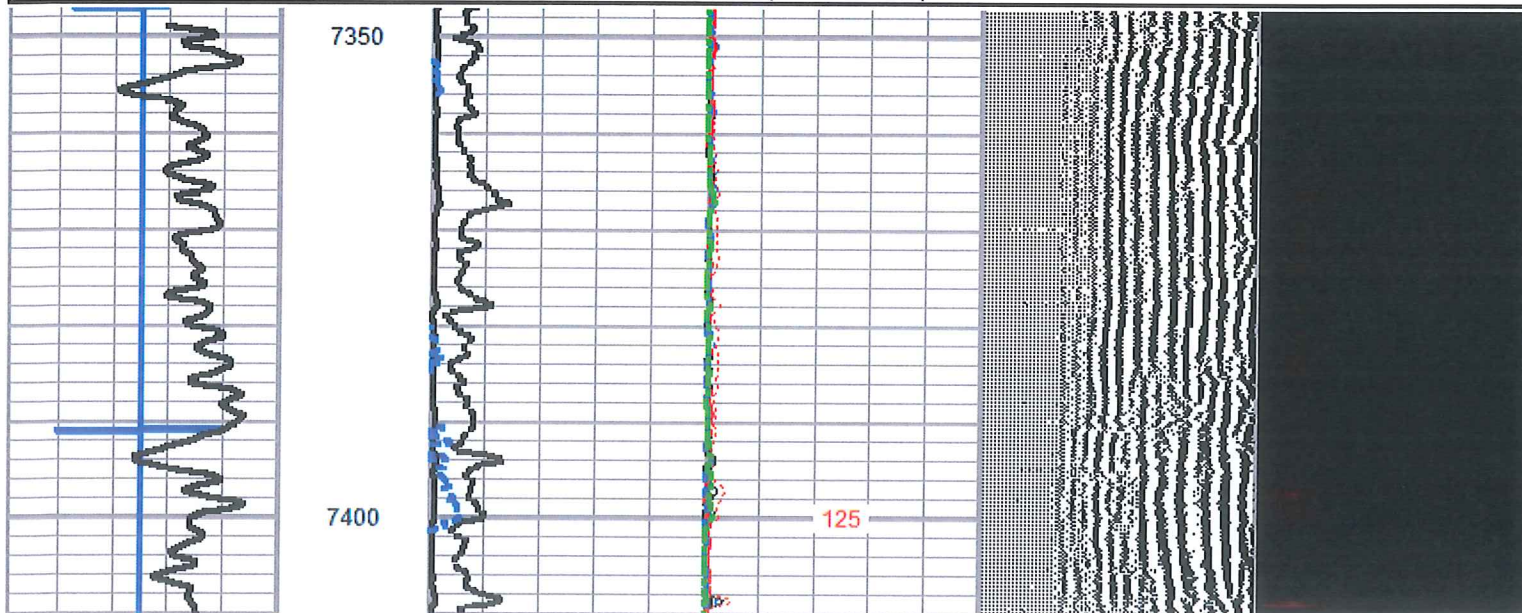
TEMP
(degF)

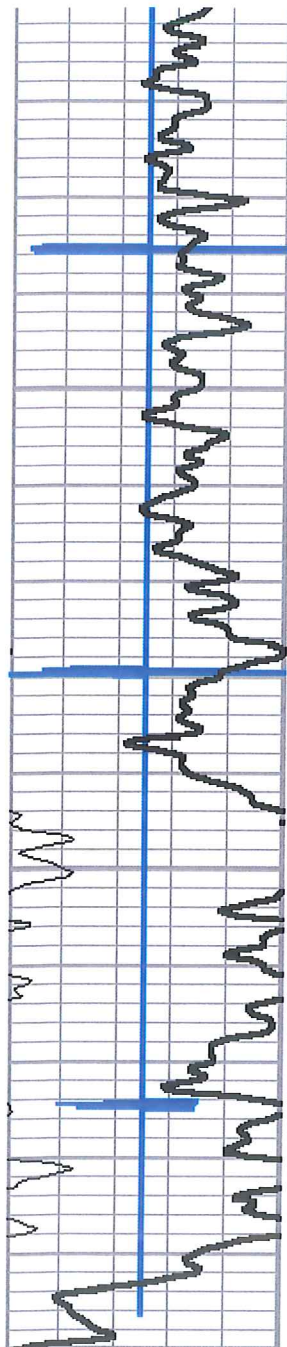


REPEAT SECTION

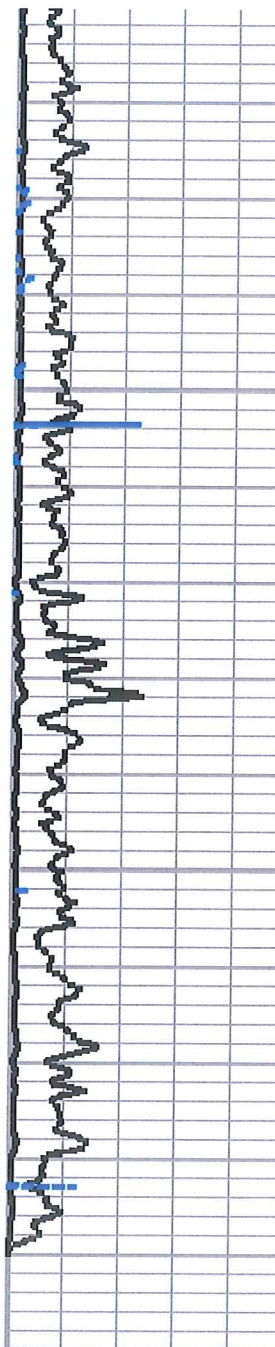
Database File: milo1h.db
 Dataset Pathname: pass3
 Presentation Format: scbl02
 Dataset Creation: Sat Nov 08 12:54:18 2014 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

-2	CCL	2	0	AMP (mV)	100	0	AMPS1	150	200	VDL	1200	1	Cement Map	8
0	GR (GAPI)	200	0	AMPx10 (mV)	10	0	AMPS2	150				3		95
200	GR (GAPI)	400	350	TT (usec)	250	0	AMPS3	150						
						0	AMPS4	150						
						0	AMPS5	150						
						0	AMPS6	150						
						0	AMPS7	150						
						0	AMPS8	150						
							TEMP							
							(degF)							

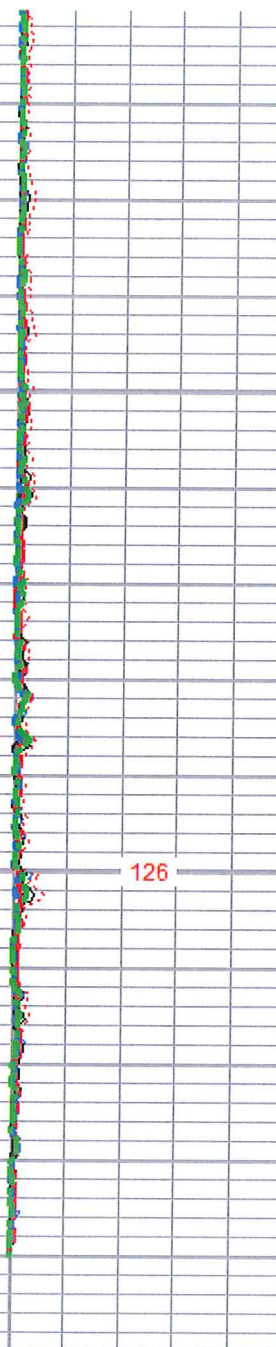




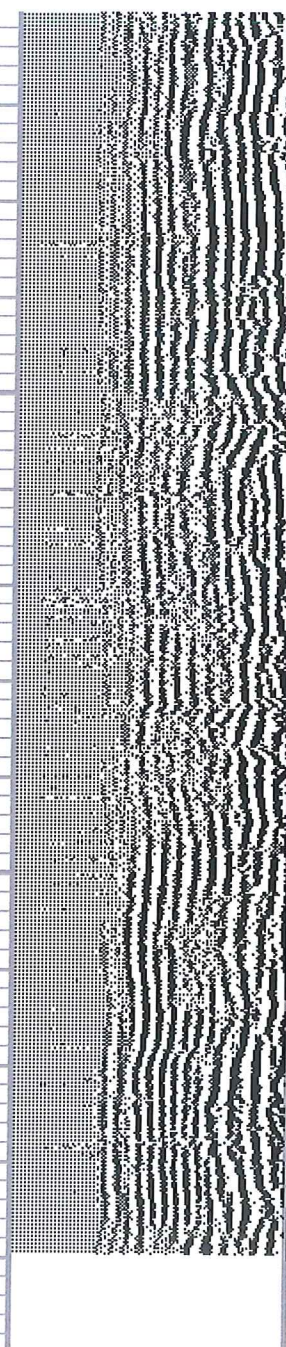
-2	CCL	2
0	GR (GAPI)	200
200	GR (GAPI)	400



0	AMP (mV)	100
0	AMPx10 (mV)	10
350	TT (usec)	250



0	AMPS1	150
0	AMPS2	150
0	AMPS3	150
0	AMPS4	150
0	AMPS5	150
0	AMPS6	150




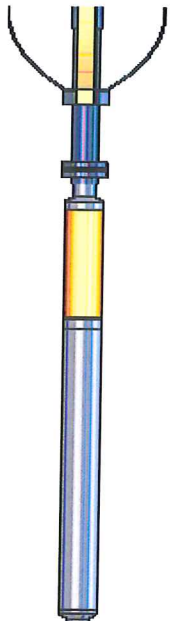
200	VDL	1200
-----	-----	------



1	Cement Map	8
3		95

0	AMPS7	150
0	AMPS8	150
TEMP (degF)		

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
						
HeadVolt	16.76		PTS275	2.88	2.75	24.00
Temp	13.91					
WVFS1	11.68					
WVFS2	11.68					
WVFS3	11.68					
WVFS4	11.68					
WVFS5	11.68					
WVFS6	11.68					
WVFS7	11.68					
WVFS8	11.68					
WV5FT	10.68					
WVFCAL	7.42					
			RBT-Probe275T (FW1404-143_5.5INCH) Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	100.00

			PTS275	2.88	2.75	24.00
CCL	3.63					
			GR-Probe (275) Probe 2.75" 4 Channel Pulse	4.54	2.75	30.00
GR	0.89					
Dataset: milo1h.db: field/well/run1/pass4 Total Length: 19.70 ft Total Weight: 178.00 lb O.D.: 2.75 in						