



**COMPENSATED DENSITY  
NEUTRON  
LOG**

Company Triple Crown Operating, LLC.		Company Triple Crown Operating, LLC.	
Well Fanshier #1-26	Well Fanshier #1-26		
Field Milton	Field Milton		
County Ness	County Ness		
State Kansas	State Kansas		
<b>Location:</b>	API #: 15 135 25886	Other Services DIL ML	
	330' FNL & 2310' FEL		
Permanent Datum	Ground Level	Elevation	2258'
Log Measured From	KB 8' AGL		
Drilling Measured From	KB		
	SEC 26 TWP 19S RGE 24W	Elevation	

Date	1-17-16		
Run Number	One		
Depth Driller	4415'		
Depth Logger	4413'		
Bottom Logged Interval	4390'		
Top Log Interval	2300'		
Casing Driller	8 5/8" @ 210'		
Casing Logger	210'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.2/48		
PH / Fluid Loss	9.5/9.6		
Source of Sample	Pit		
Rm @ Meas. Temp	1.8@50degf		
Rmf @ Meas. Temp	1.35@50degf		
Rmc @ Meas. Temp	2.16@50degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.75@120degf		
Time Circulation Stopped	9:45 a.m.		
Time Logger on Bottom	11:45 a.m.		
Maximum Recorded Temperature	120degf		
Equipment Number	T127		
Location	Hays, KS		
Recorded By	Gus Pfanenstiel		
Witnessed By	Mr. Rod Andersen		

<<< 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**

West of Ness City to Rd. P, South 5 miles., at mailbox 8062 go East, South into.



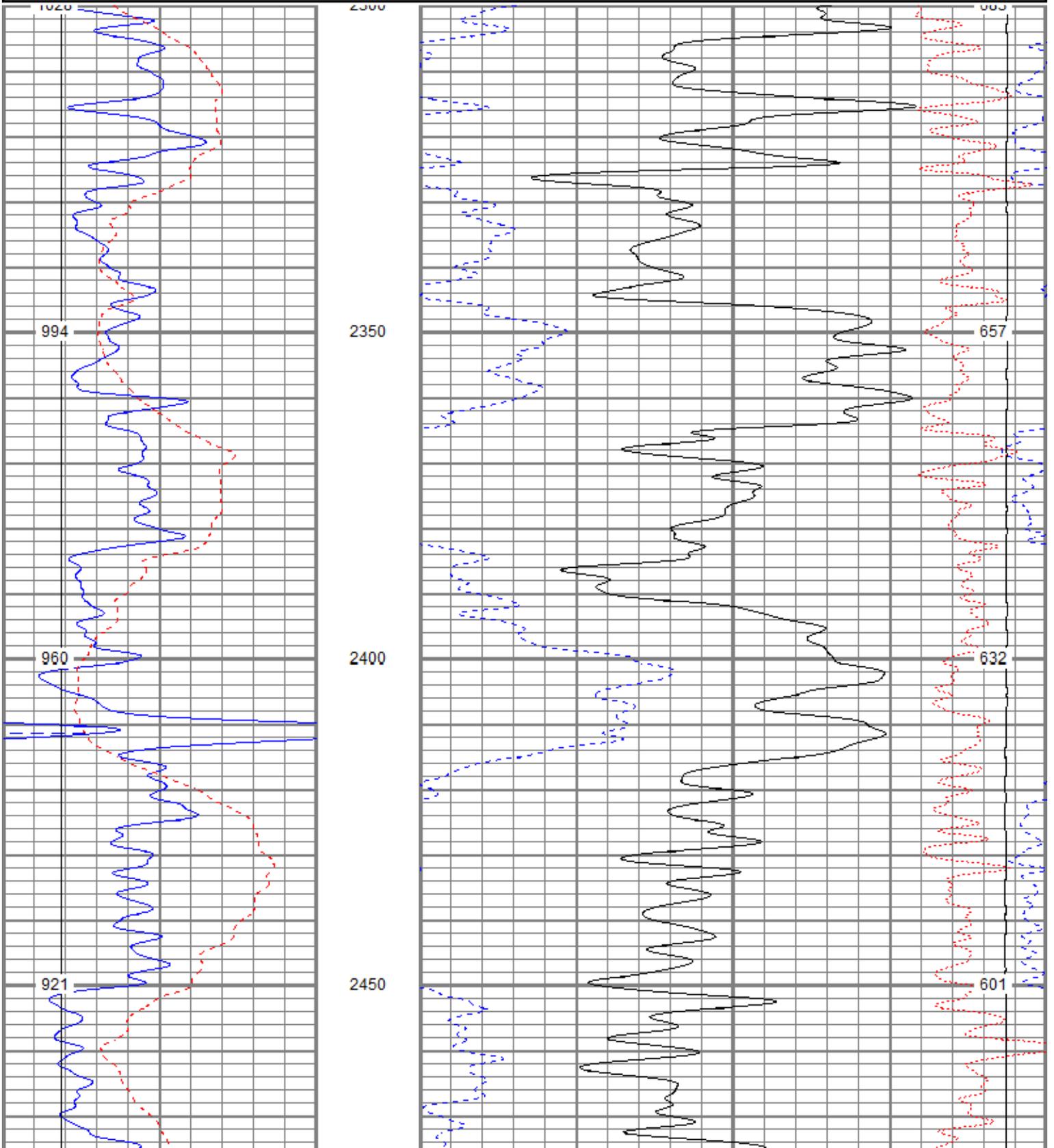
# Main Pass

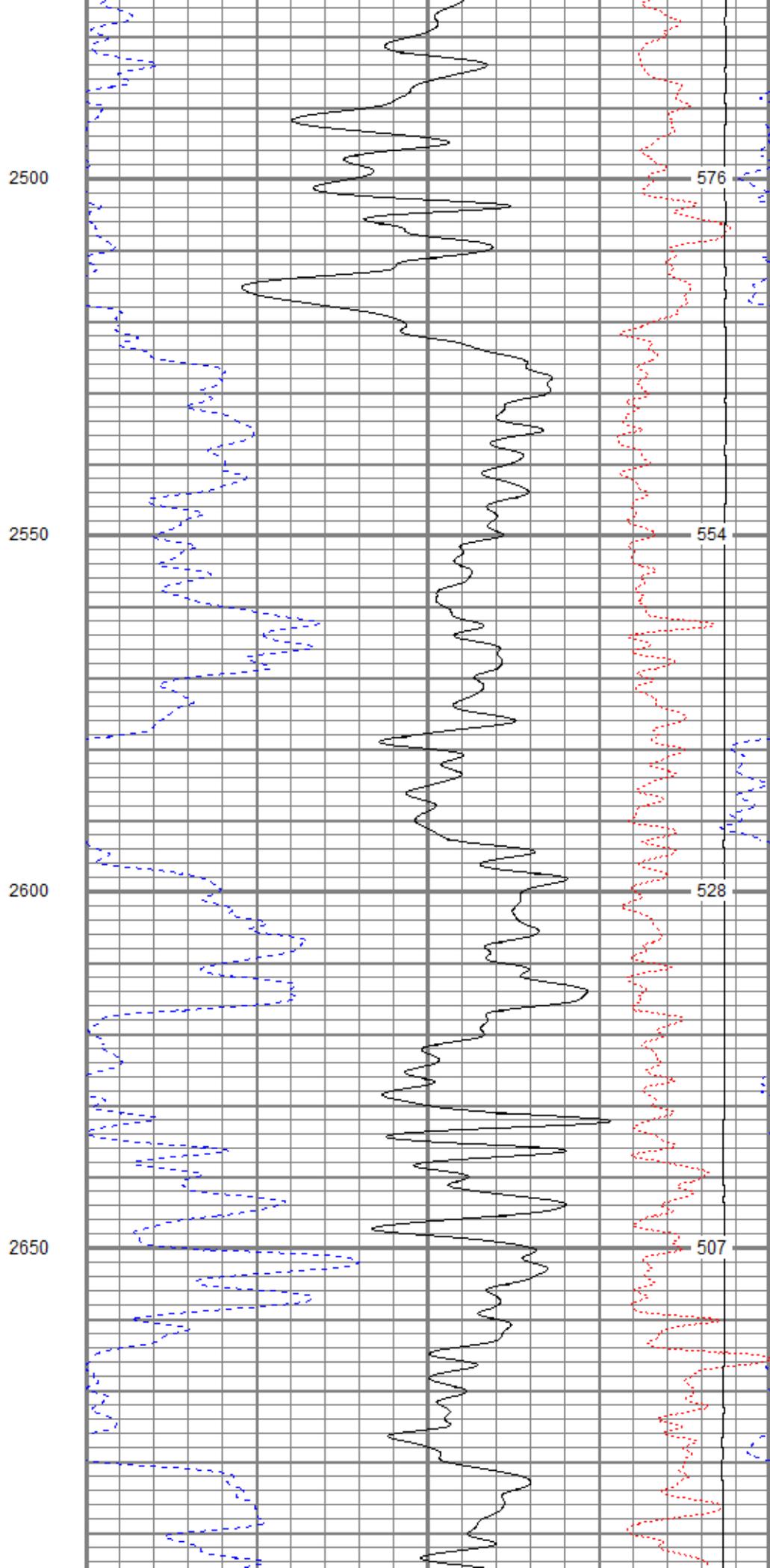
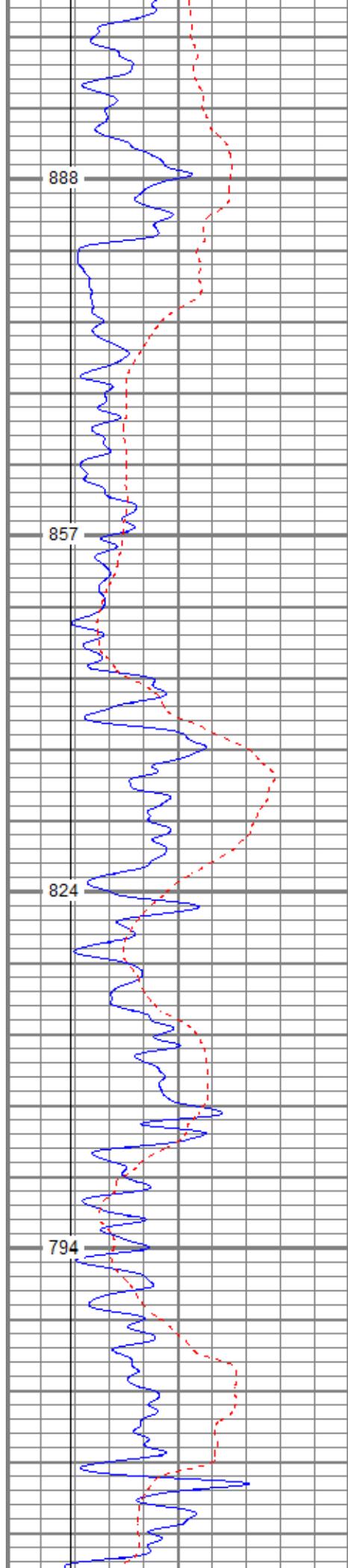
Database File tcfanshier#1-26oh.db  
 Dataset Pathname pass2  
 Presentation Format kcdnl  
 Dataset Creation Sun Jan 17 12:09:16 2016  
 Charted by Depth in Feet scaled 1:240

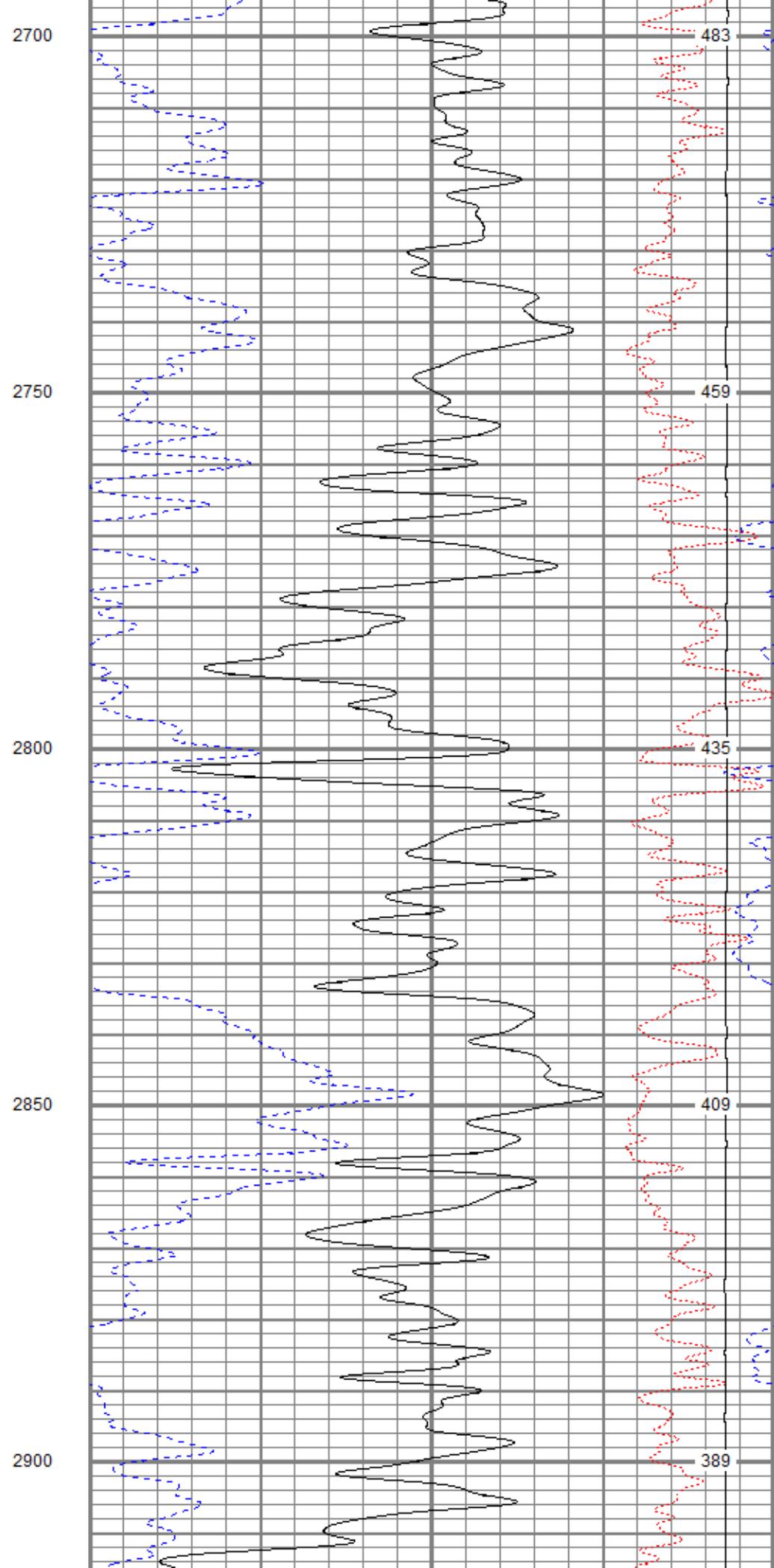
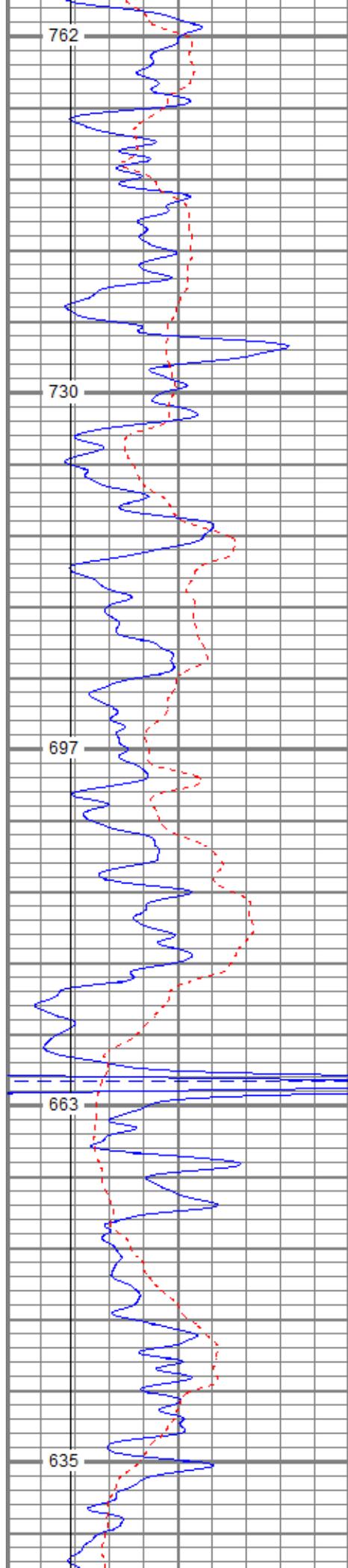
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16

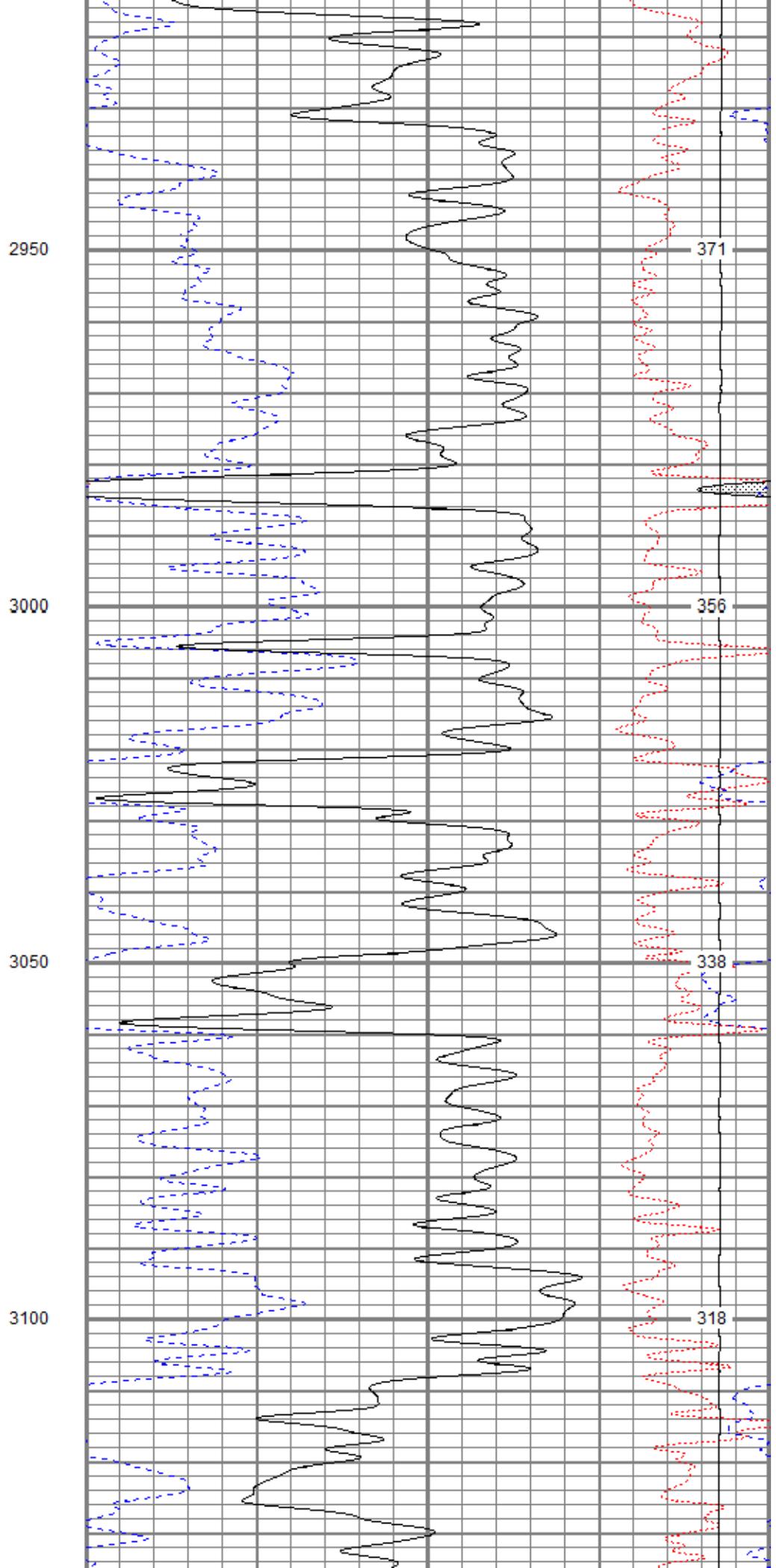
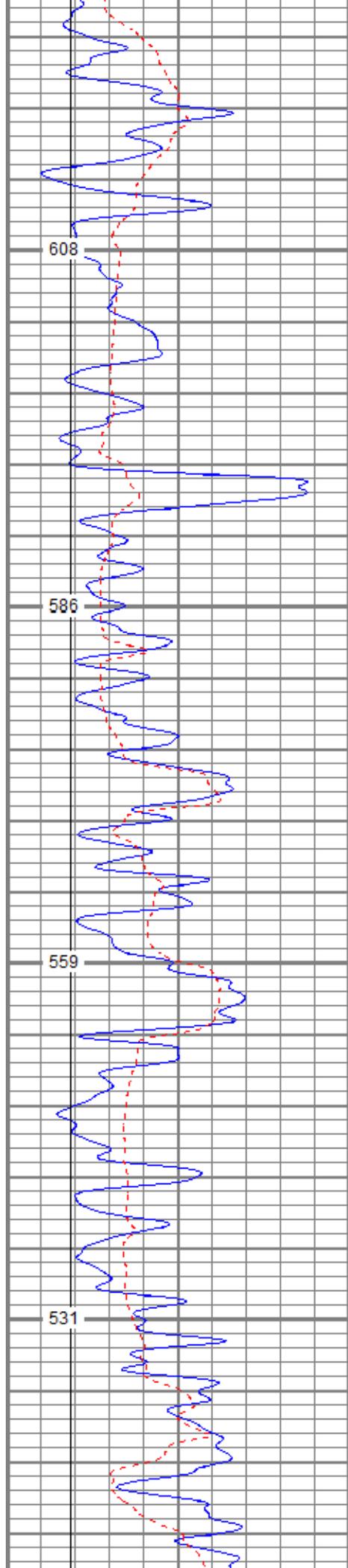
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30

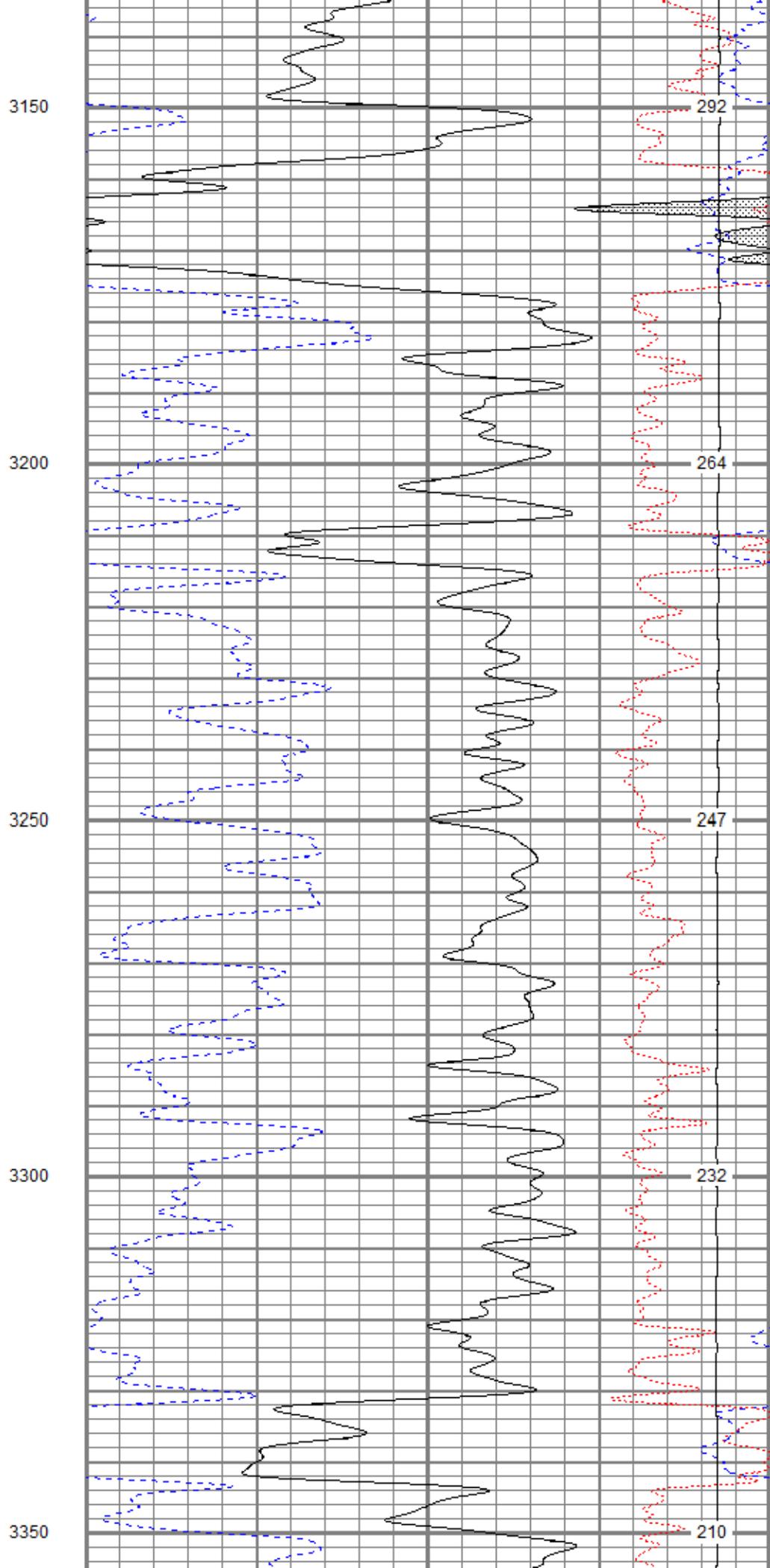
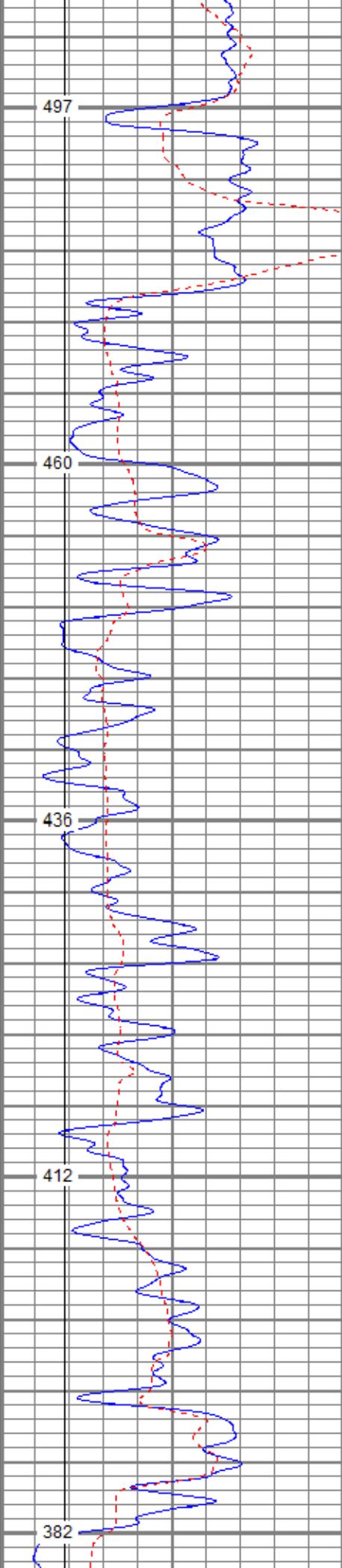
TBHV (ft3)	-0.25	RHOC (g/cc)	0.25
	8000	LTEN (lb)	0
		ABHV (ft3)	

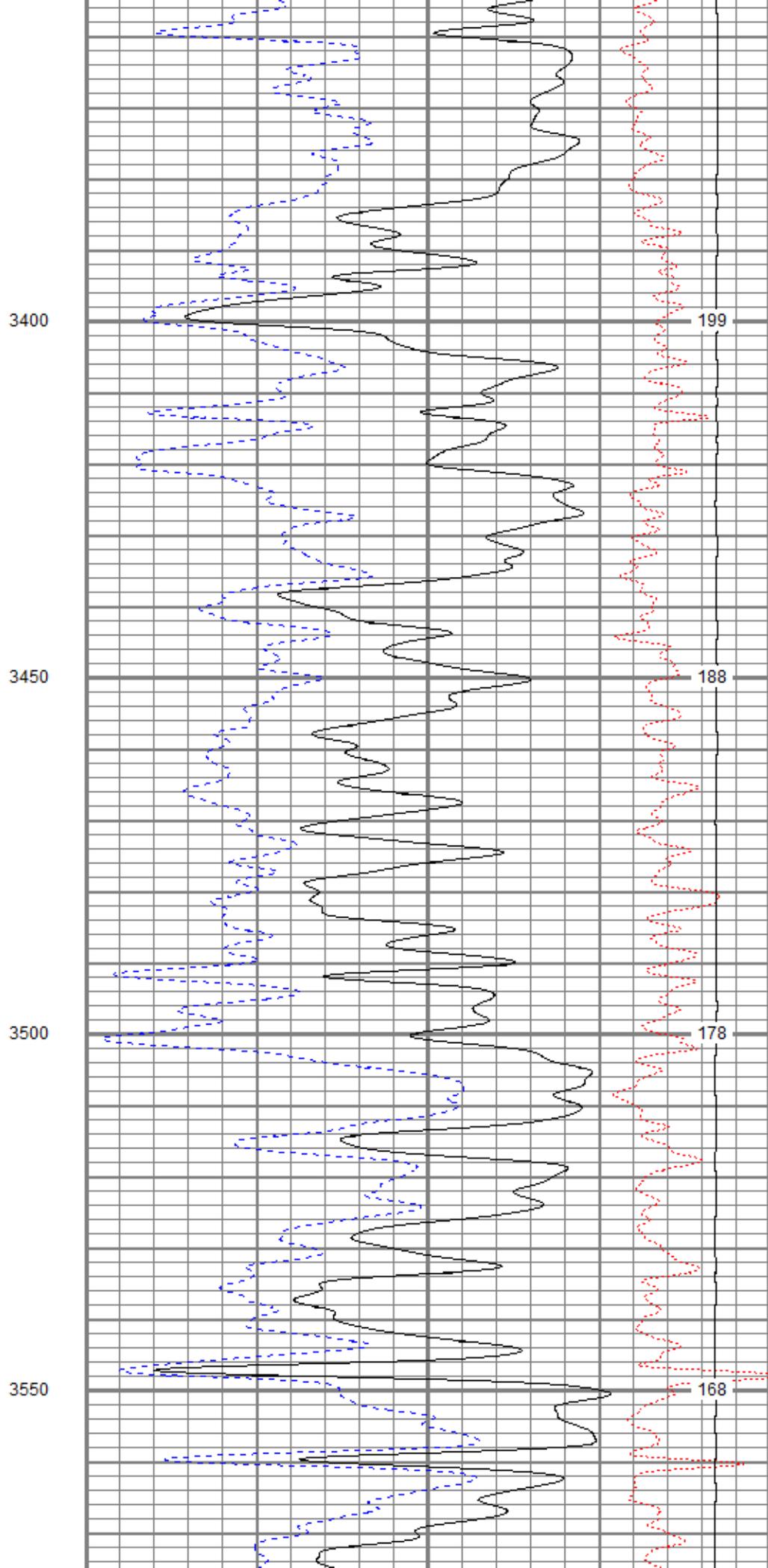
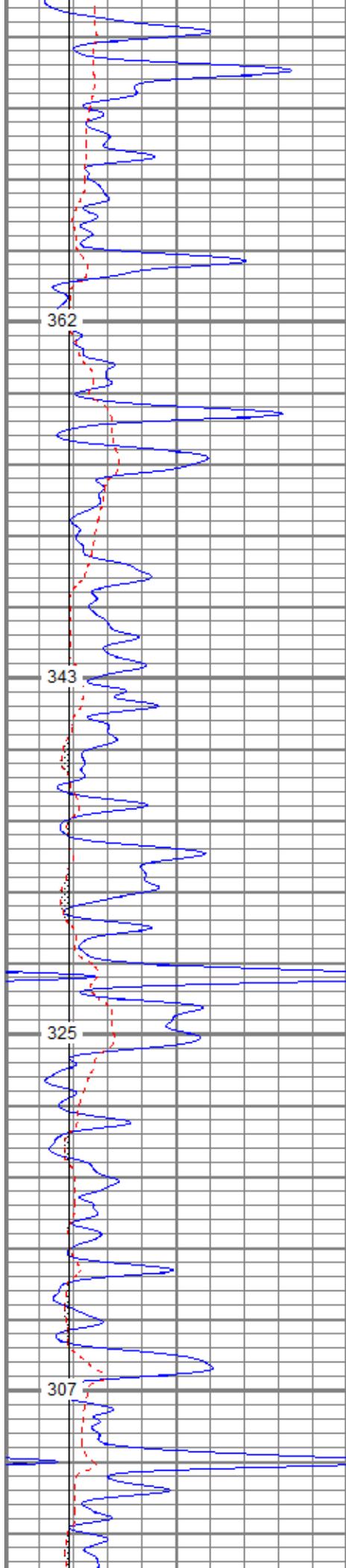


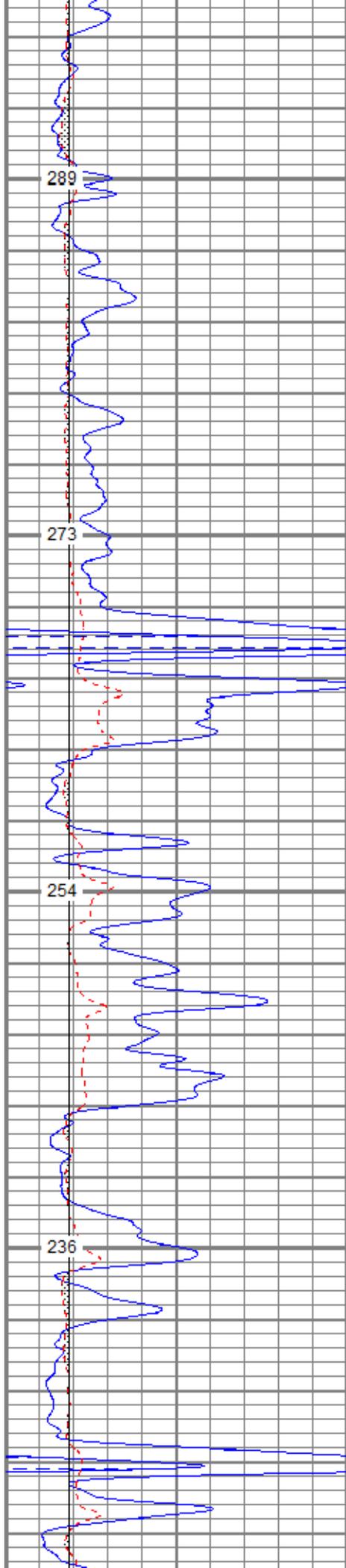










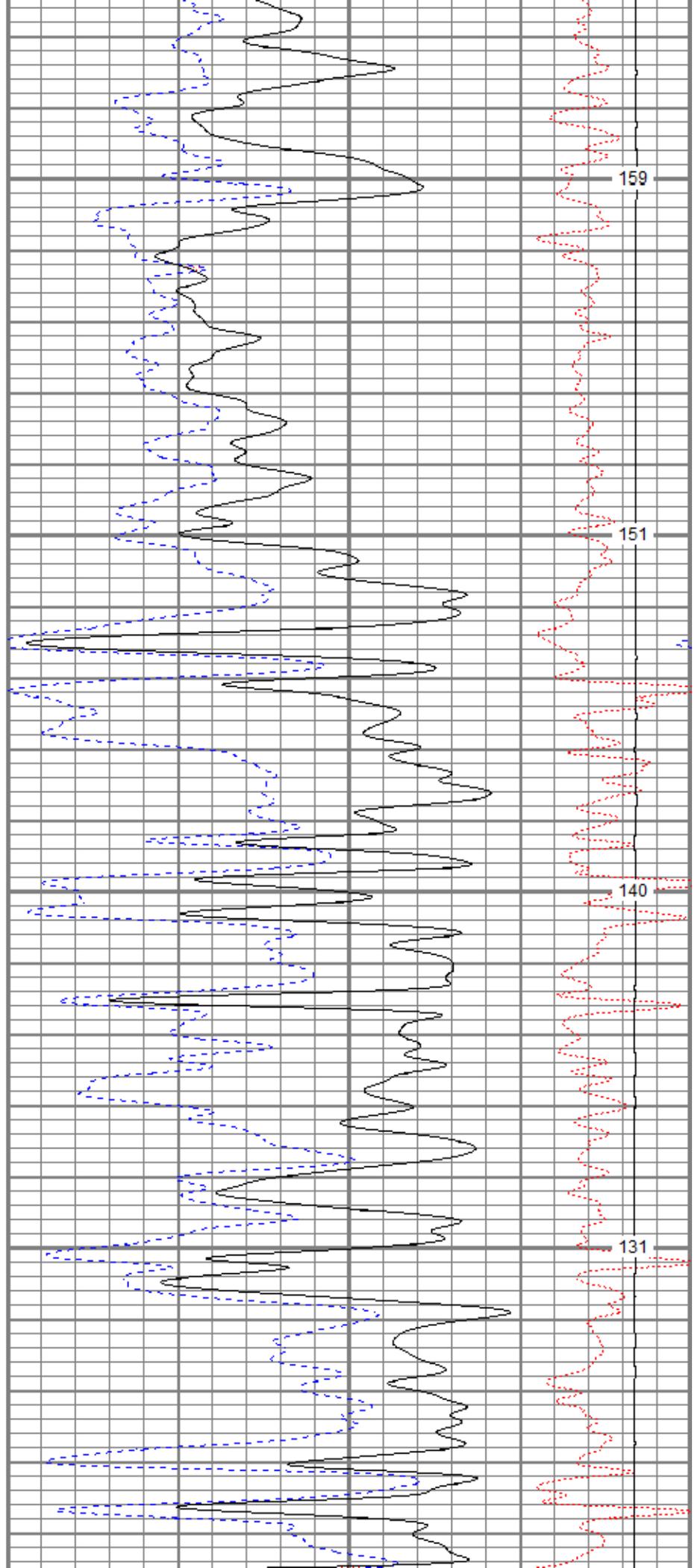


3600

3650

3700

3750

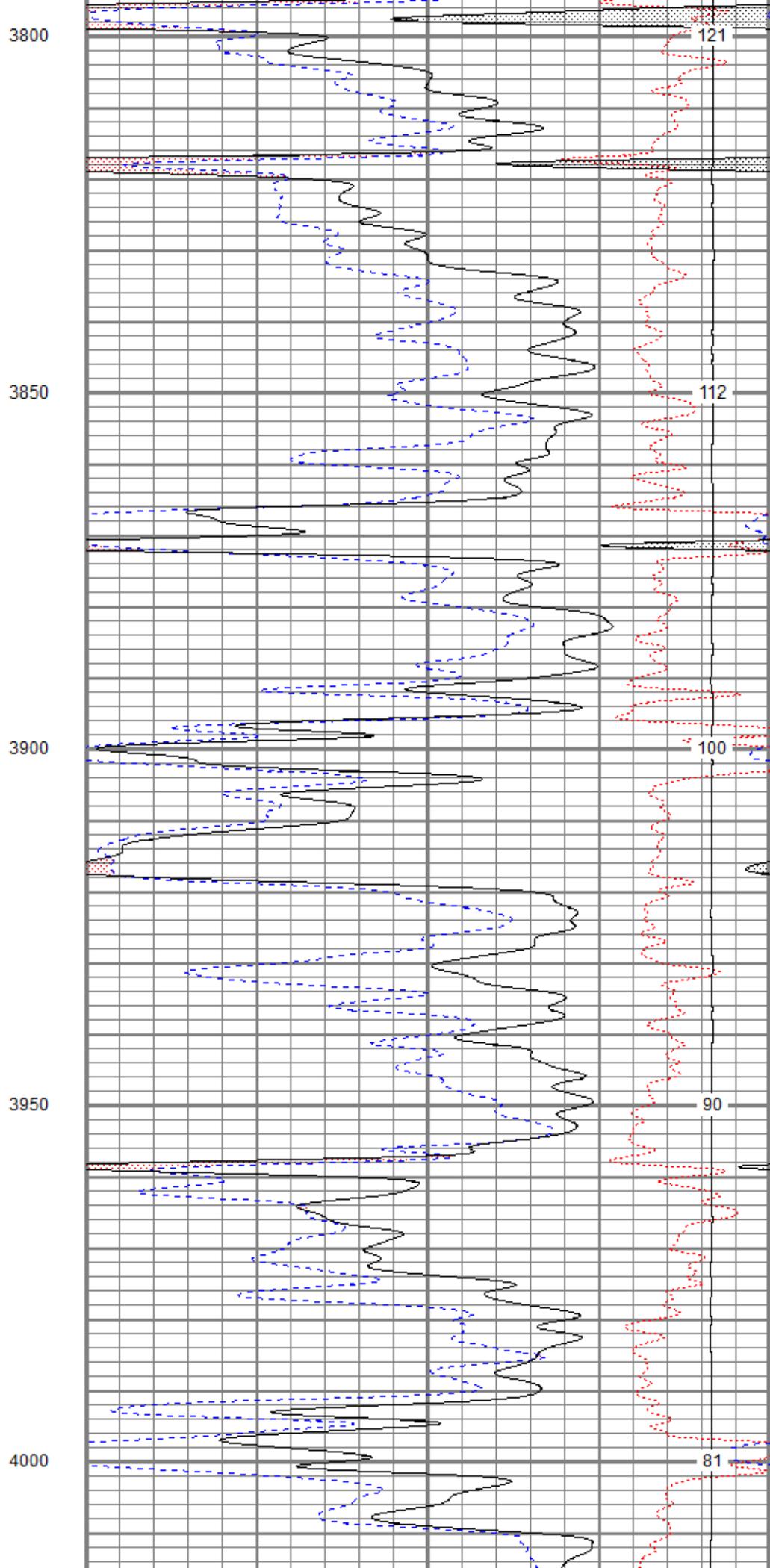
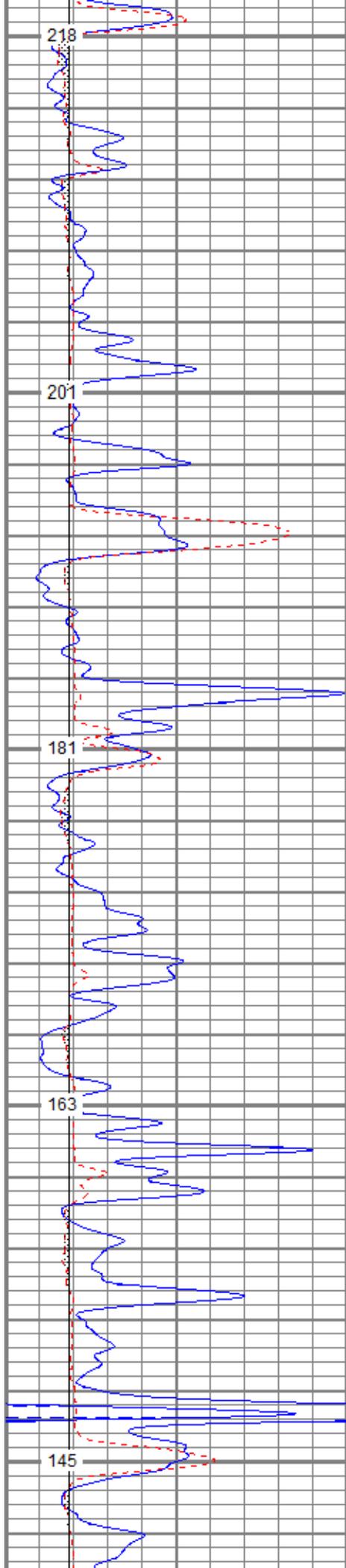


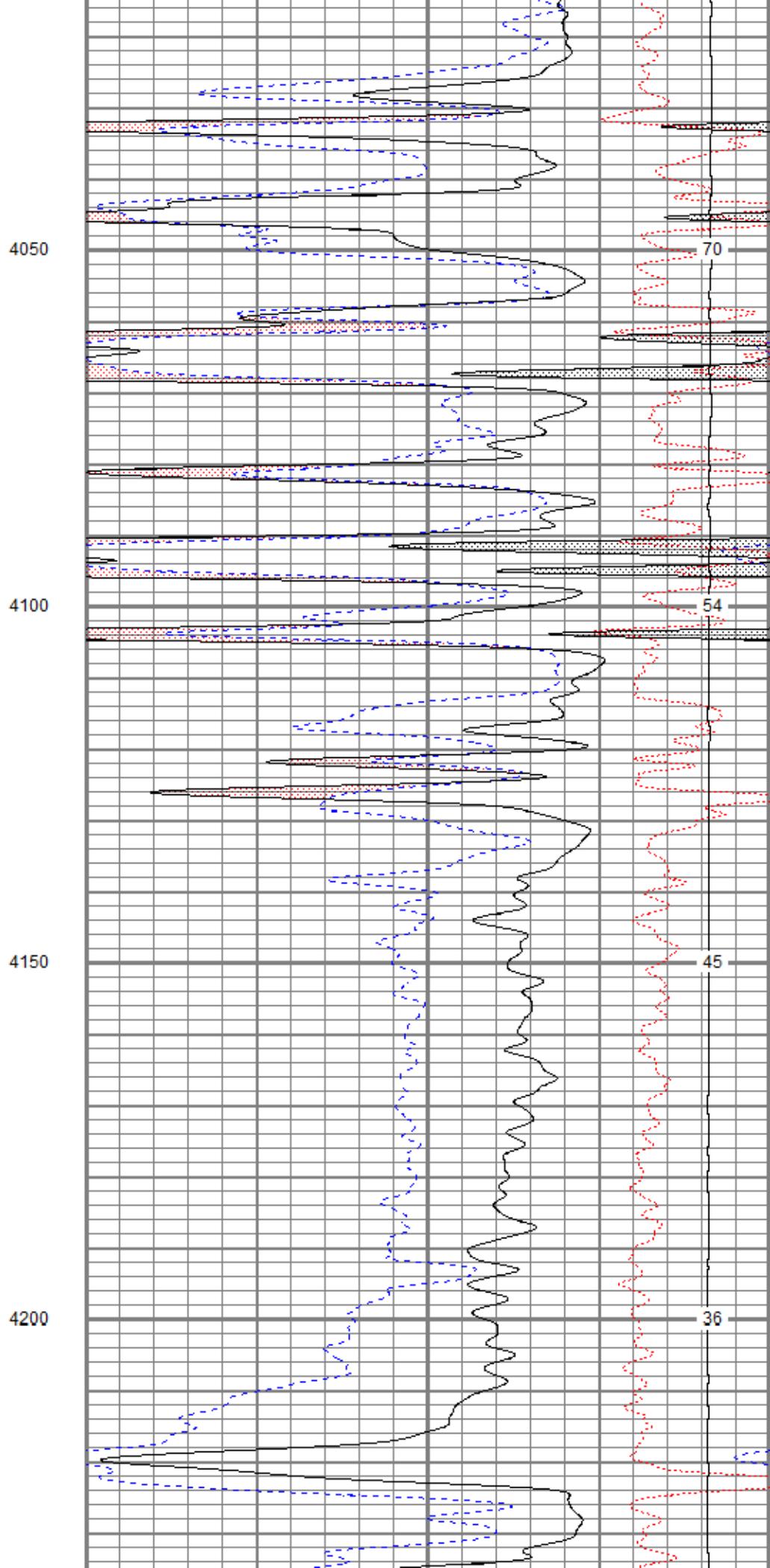
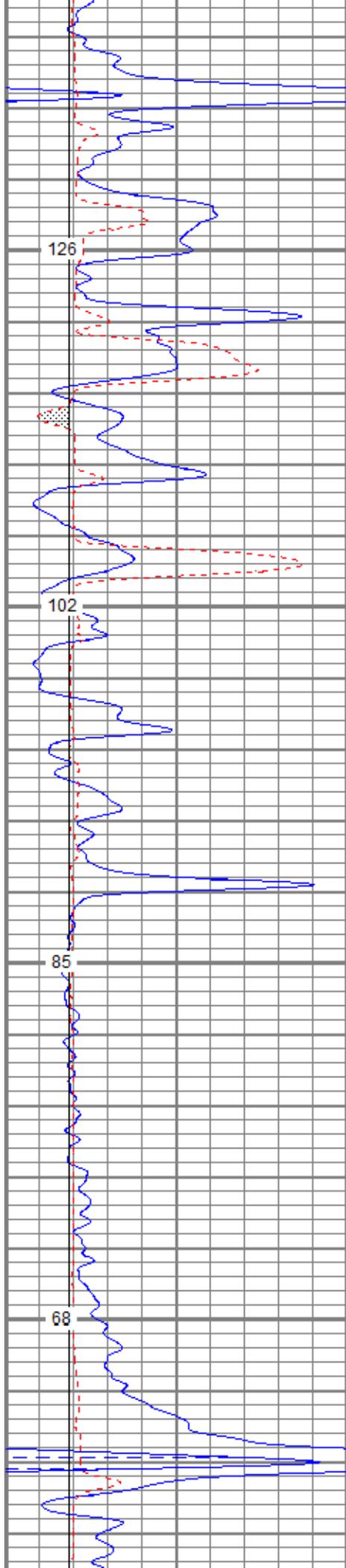
159

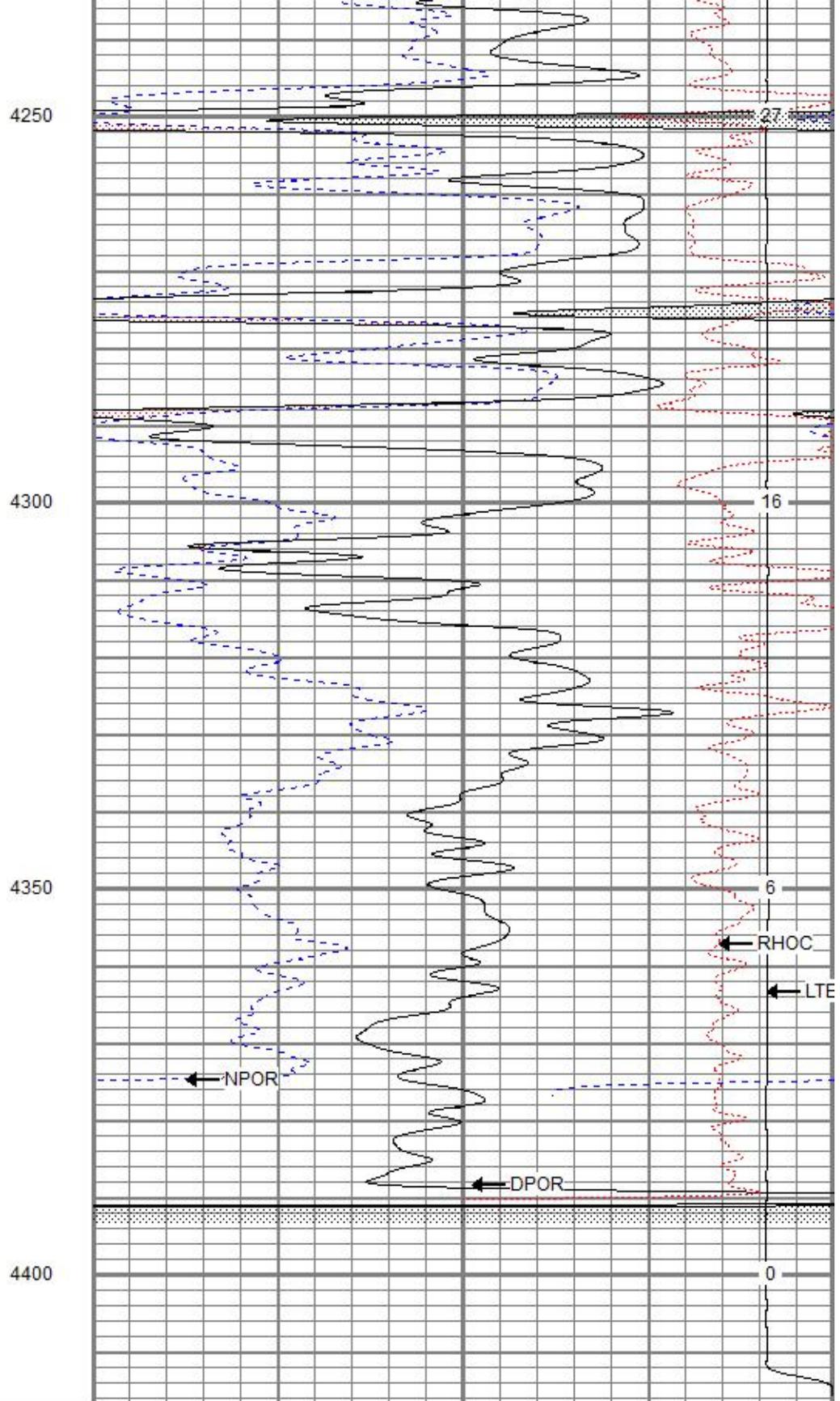
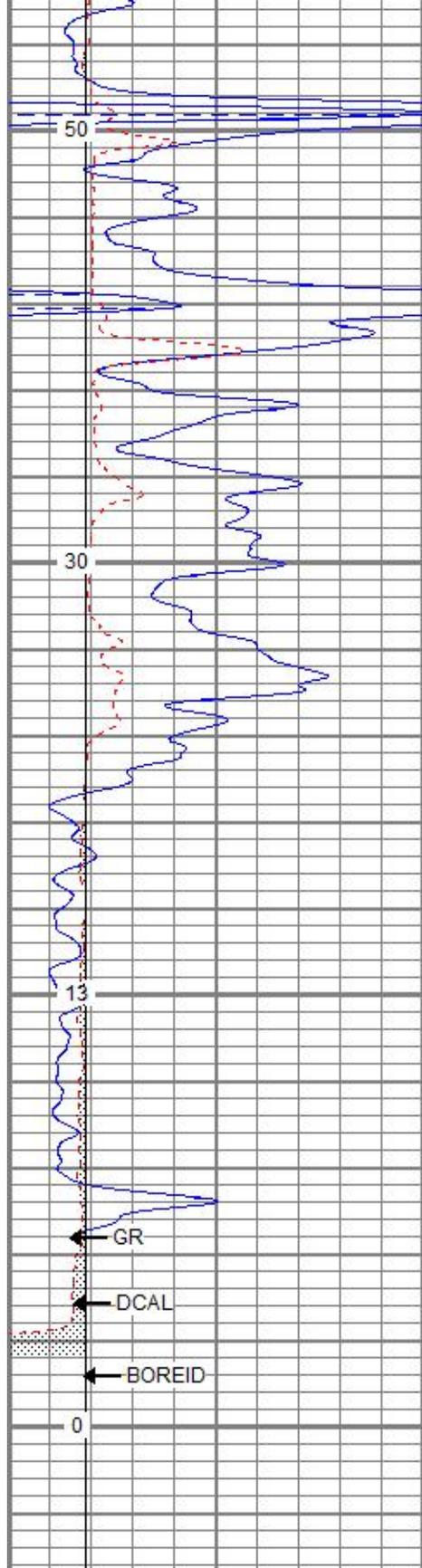
151

140

131







0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16

30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30

TBHV (ft3)

-0.25	RHOC (g/cc)	0.25
8000	LTEN (lb)	0

ABHV (ft3)

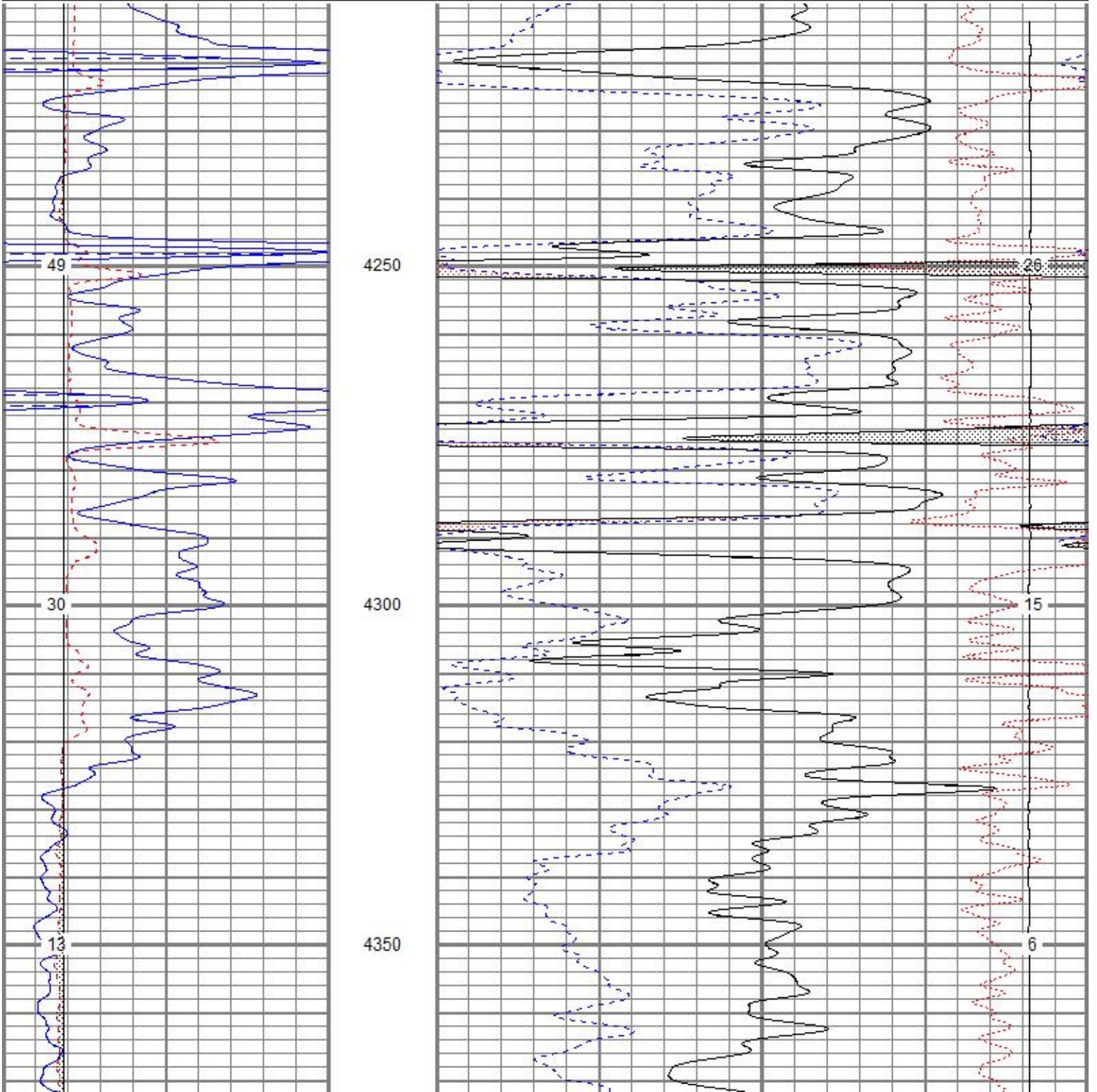


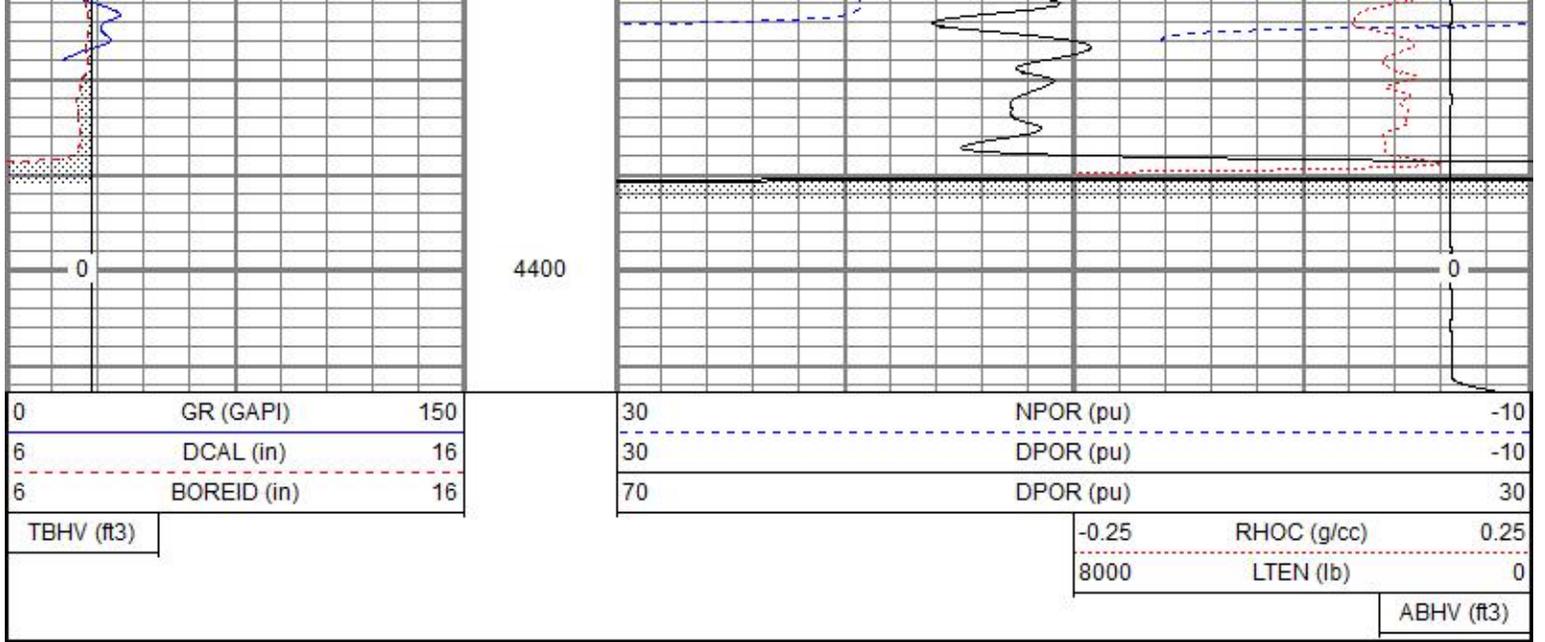


# Repeat Pass

Database File tcfanshier#1-26oh.db  
 Dataset Pathname pass1  
 Presentation Format kcdnl  
 Dataset Creation Sun Jan 17 11:57:01 2016  
 Charted by Depth in Feet scaled 1:240

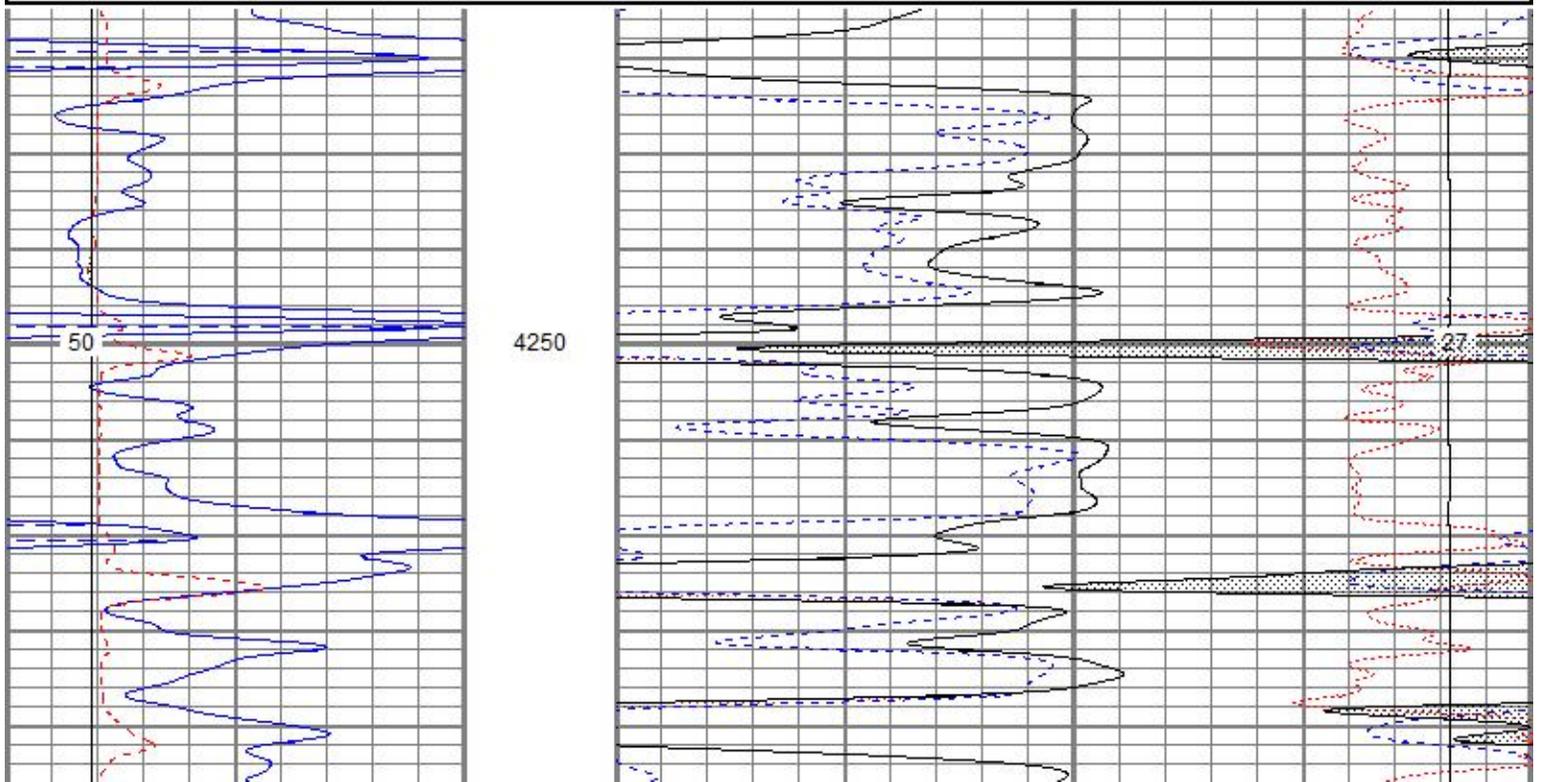
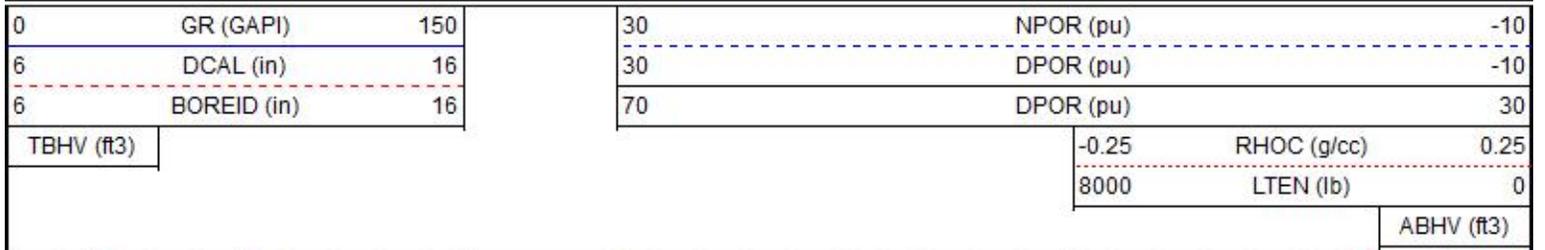
0	GR (GAPI)	150	30	NPOR (pu)	-10
6	DCAL (in)	16	30	DPOR (pu)	-10
6	BOREID (in)	16	70	DPOR (pu)	30
TBHV (ft3)			-0.25 RHOC (g/cc) 0.25		
			8000 LTEN (lb) 0		
			ABHV (ft3)		





# Dolomite Matrix

Database File tcfanshier#1-26oh.db  
 Dataset Pathname pass2dolo  
 Presentation Format kcdnl  
 Dataset Creation Sun Jan 17 12:40:03 2016  
 Charted by Depth in Feet scaled 1:240





Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	6.834	401.088	mmho/m	13.778	400.855	mmho/m	0.982	7.068
Medium	-2.964	468.230	mmho/m	1.850	466.869	mmho/m	0.987	4.775
LL3		7.145	V		750.000	Ohm-m		
		0.016	V		12.000	Ohm-m		
		-7.248	V		3745.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	6.834	401.088	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-2.964	468.230	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		750.000	Ohm-m		
		0.000	Ohm-m		12.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Compensated Density Calibration Report

Serial-Model: 2501DHT-DHT  
 Source / Verifier: csv-j12 /  
 Master Calibration Performed: Thu Nov 12 11:56:11 2015  
 Before Survey Verification Performed:  
 After Survey Verification Performed:

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	711.36	284.22	cps
Aluminum	2.660	g/cc	133.07	180.42	cps
Spine Angle = 74.83			Density/Spine Ratio = 0.524		
	Size		Reading		
Small Ring	7.70	in	5749.57		
Large Ring	14.00	in	9401.93		

Before Survey Verification

Target	Measured
g/cc	g/cc
g/cc	g/cc
g/cc	g/cc

After Survey Verification

Target	Measured
g/cc	g/cc
g/cc	g/cc
g/cc	g/cc

Gamma Ray Calibration Report

Serial Number: 2001  
 Tool Model: OH  
 Performed: Sun Dec 13 14:47:58 2015  
 Calibrator Value: 1.0 GAPI  
 Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps

Sensitivity:

0.2400

GAPI/cps

## Neutron Calibration Report

Serial Number: 5108  
 Tool Model: PROBE  
 Performed: Sun Dec 13 14:47:55 2015

Calibrator Value: 1 NAPI  
 Calibrator Reading: 1 cps  
 Sensitivity: 1 NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
NEU	38.26		CHD-None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.32		GR-OH (2001) 2001	3.56	3.25	40.00
			CDL-DHT (2501DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
LSD	23.78					
DCAL	23.49					
SSD	23.24					
HEADVOLT	21.47					
SP	10.60		DIL-Probe (080522) Probe Dual Induction	21.47	4.00	345.00
CILD	10.60					
CILM	6.89					
RLL3	1.70					

Dataset: tcfanshier#1-26oh.db: field/well/run1/pass2.1  
 Total length: 40.39 ft  
 Total weight: 676.00 lb  
 O.D.: 4.00 in