



COMPENSATED DENSITY NEUTRON LOG

Company Castle Resources, Inc.

Well Wessler #4

Field Stoltzenberg

County Ellsworth

State KS

Location:

API #: 15 053 21341

1840' FSL & 335' FEL

SEC 19 TWP 17S RGE 9W

Permanent Datum Ground Level Elevation 1771'
Log Measured From KB 5' AGL
Drilling Measured From KB

Other Services
DIL
ML
Elevation
K.B. 1776'
D.F. 1775'
G.L. 1771'

Date

12-22-15

Run Number

One

Depth Driller

3300'

Depth Logger

3300'

Bottom Logged Interval

3277'

Top Log Interval

2100'

Casing Driller

8 5/8" @ 261'

Casing Logger

261'

Bit Size

7 7/8"

Type Fluid in Hole

Chemical

Density / Viscosity

9.2/49

pH / Fluid Loss

9.8/9.6

Source of Sample

Pit

Rm @ Meas. Temp

.9@60degf

Rmf @ Meas. Temp

.68@60degf

Rmc @ Meas. Temp

1.08@60degf

Source of Rmf / Rmc

Calculated

Rm @ BHT

.47@114degf

Time Circulation Stopped

3:45 p.m.

Time Logger on Bottom

5:30 p.m.

Maximum Recorded Temperature

114degf

Equipment Number

T127

Location

Hays, KS

Recorded By

Gus Pfannenstiel

Witnessed By

Mr. Jerry Green

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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 crwessler#4oh.db
 Dataset Pathname pass2.1
 Presentation Format kcdnl
 Dataset Creation Tue Dec 22 18:28:25 2015
 Charted by Depth in Feet scaled 1:240

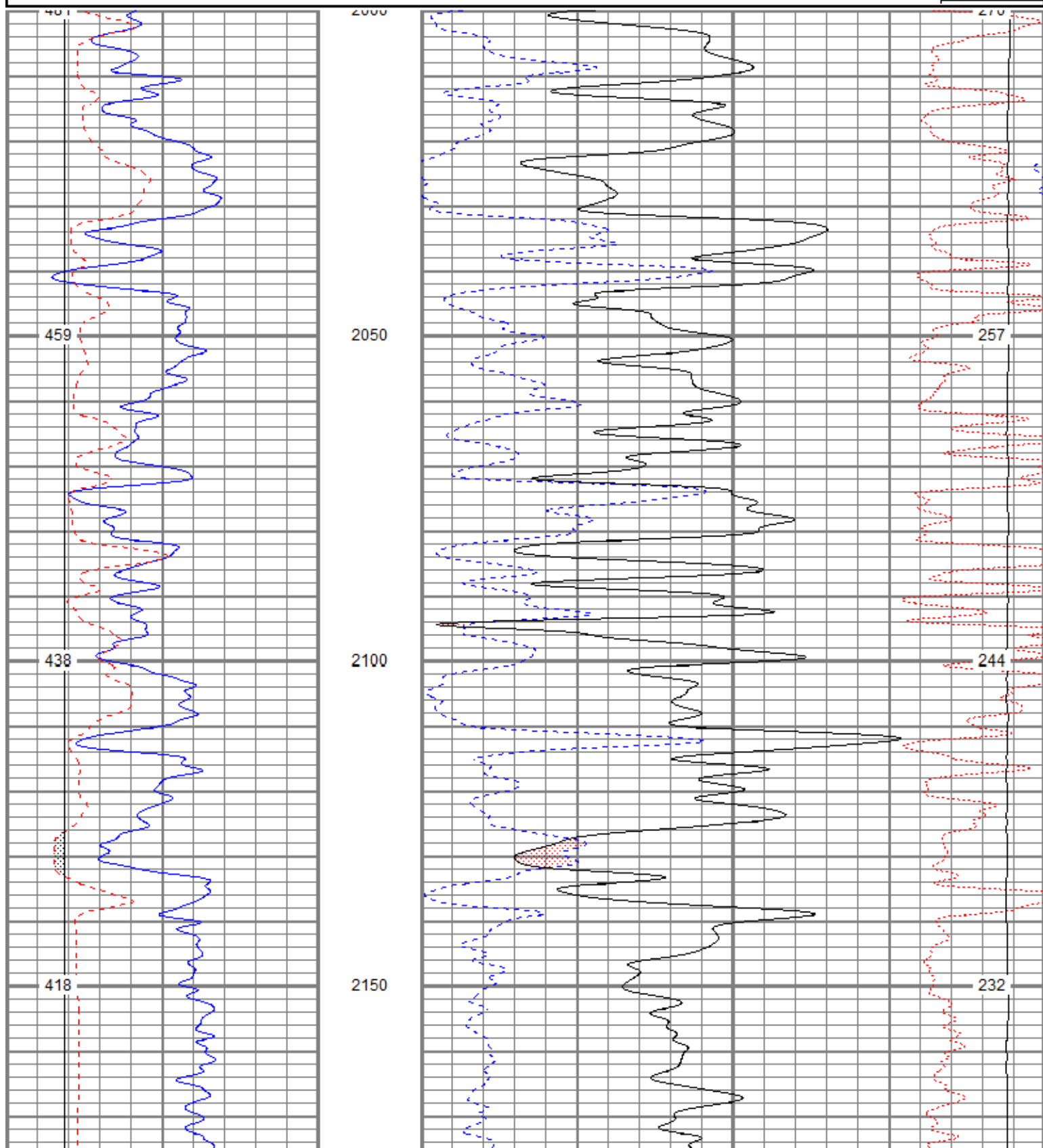
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16

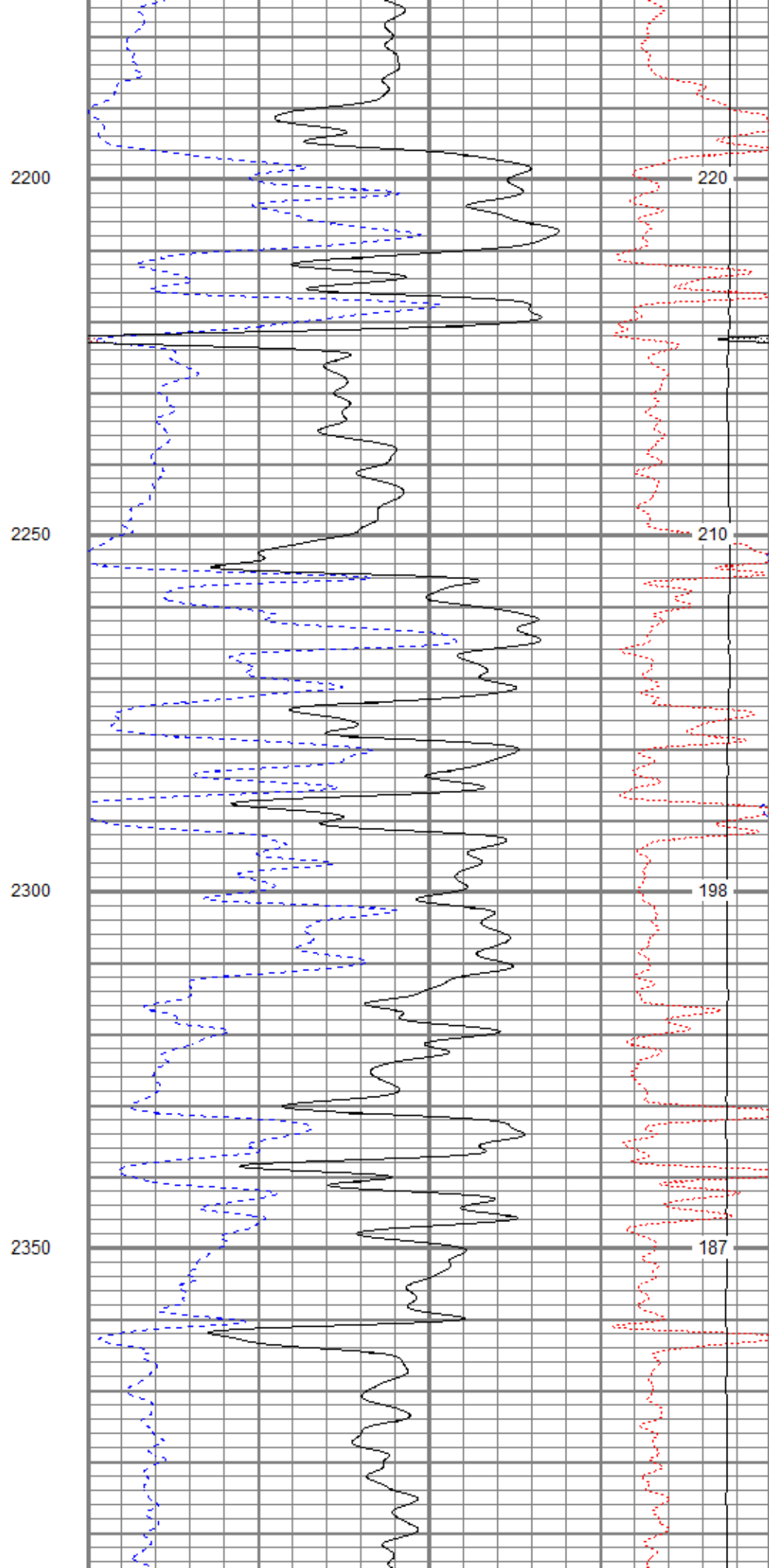
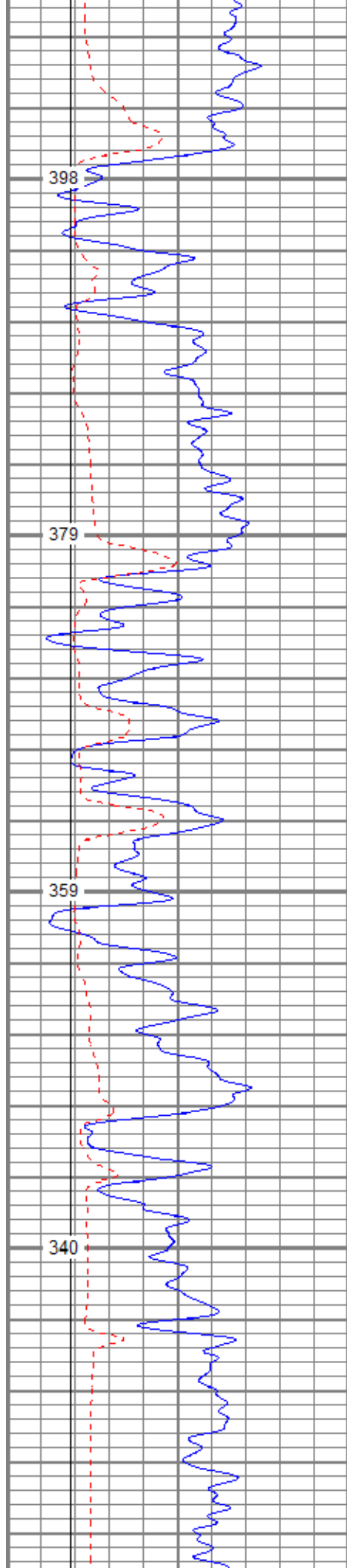
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30

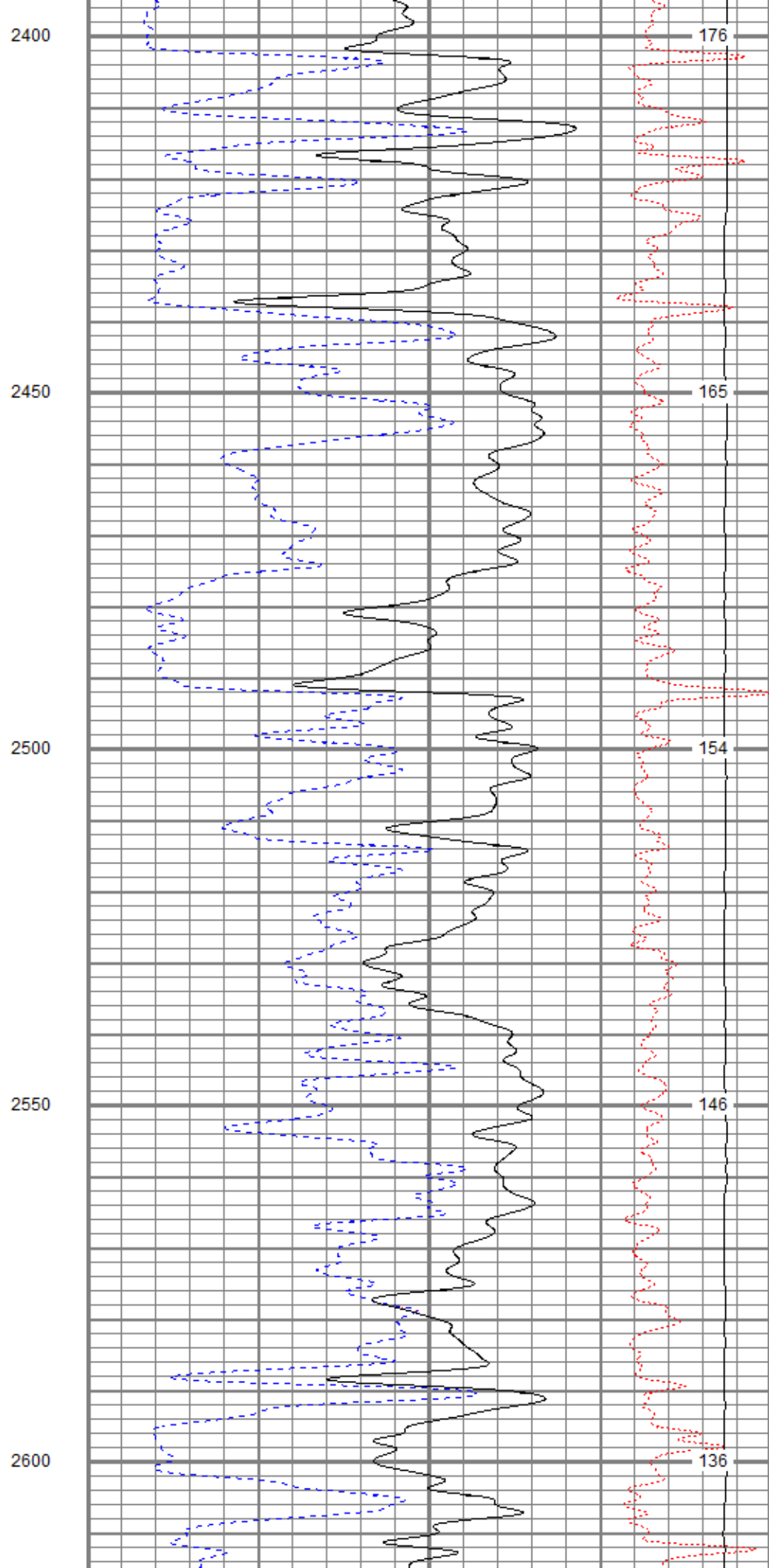
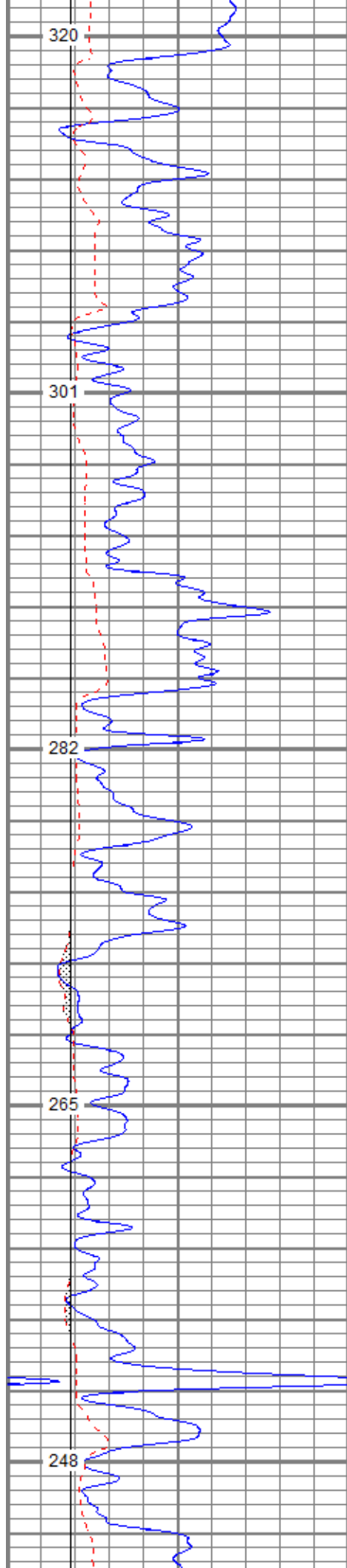
TBHV (ft3)

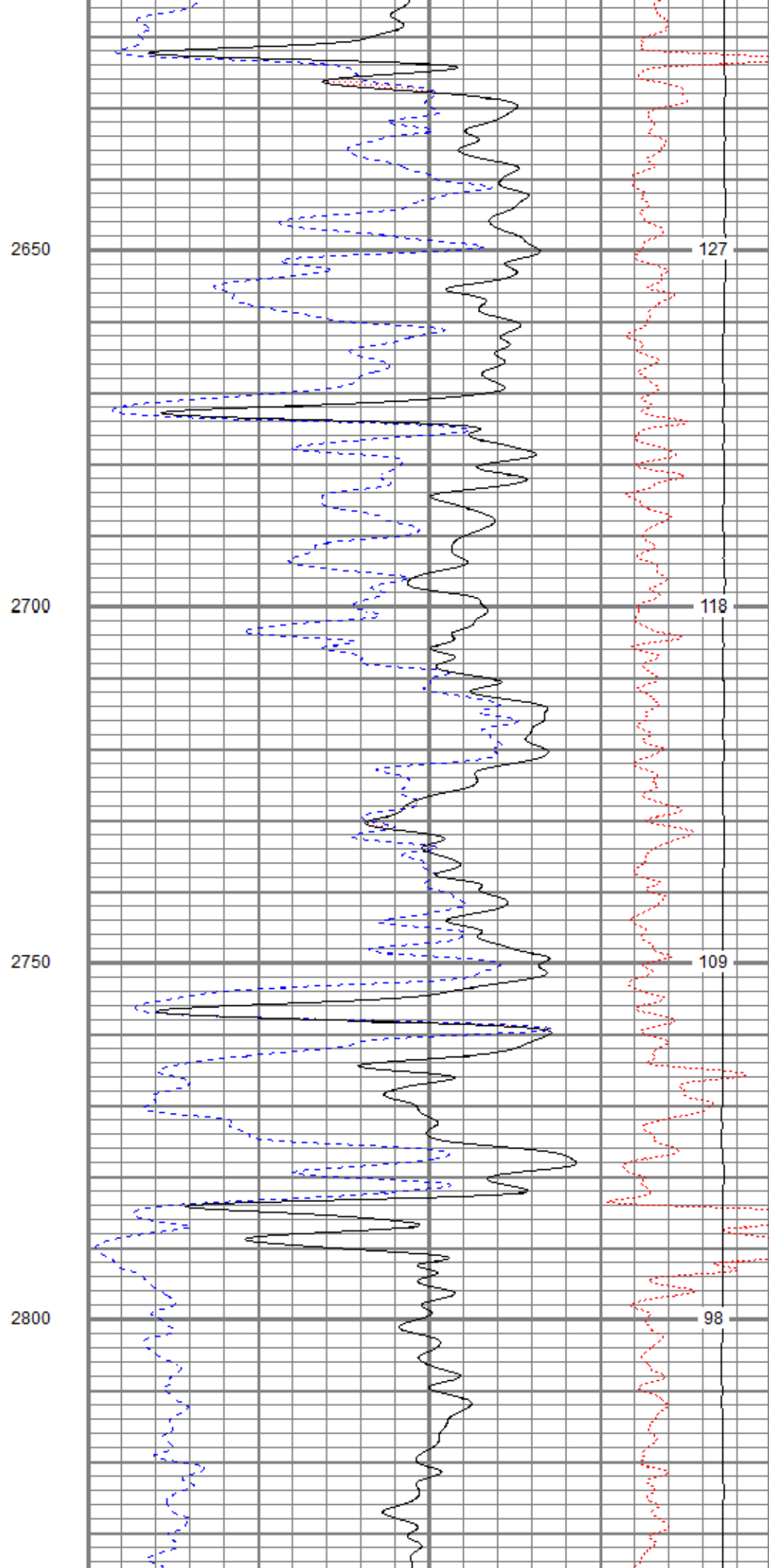
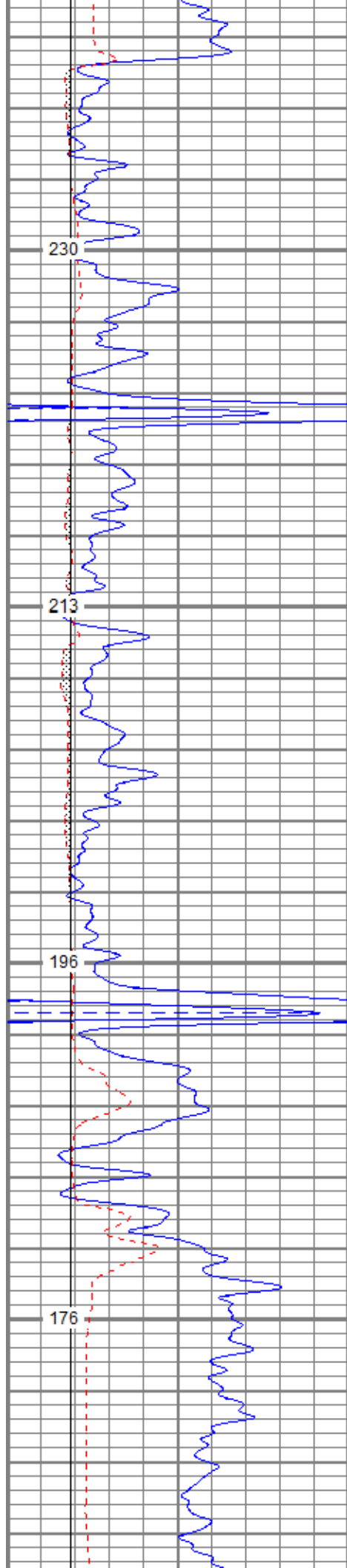
-0.25	RHOC (g/cc)	0.25
8000	LTEN (lb)	0

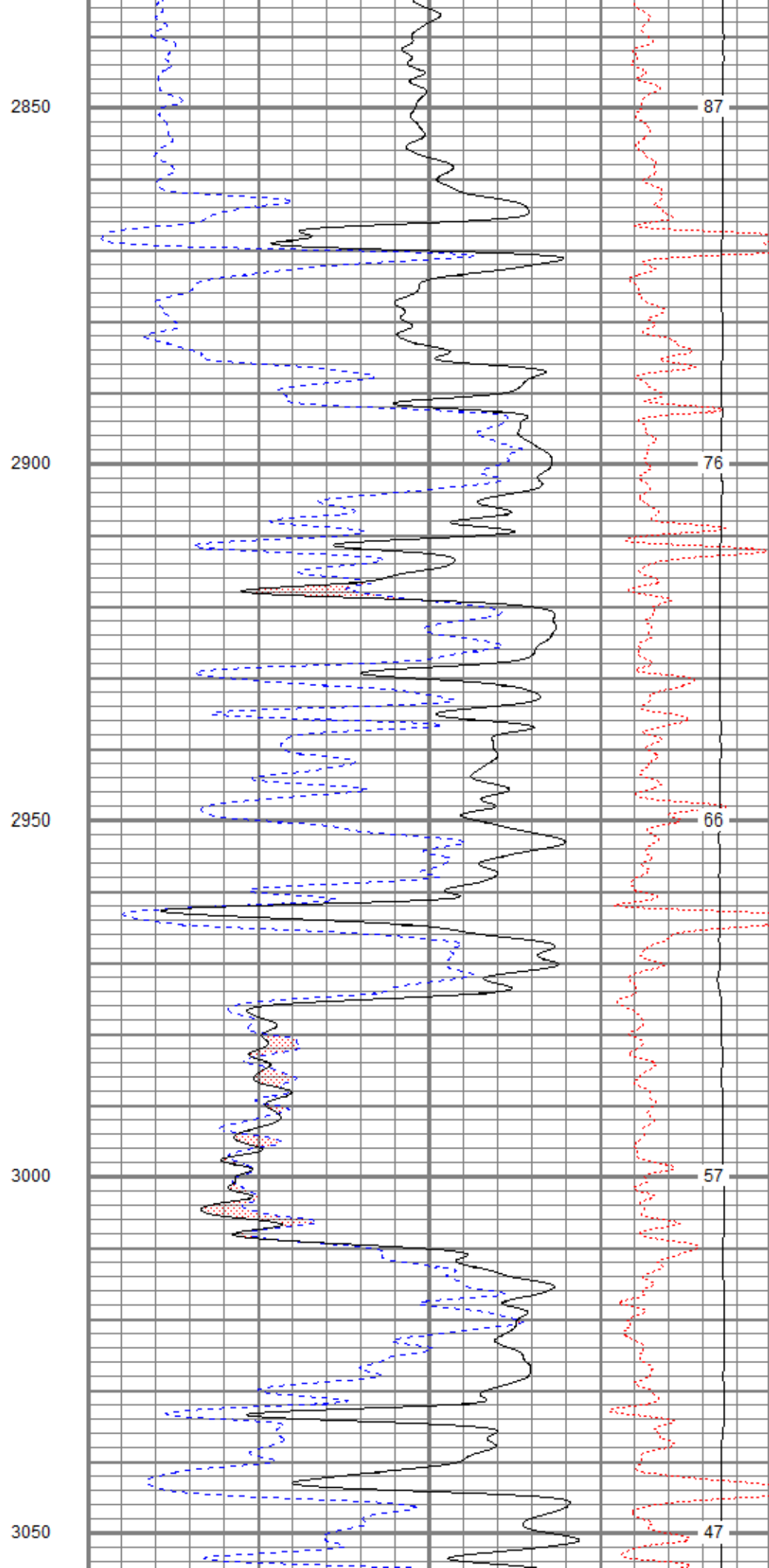
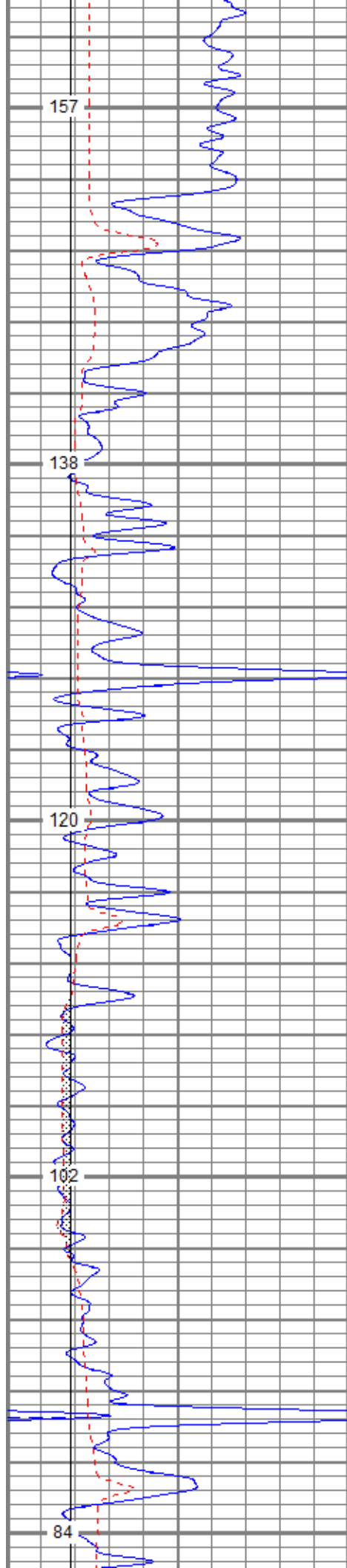
ABHV (ft3)

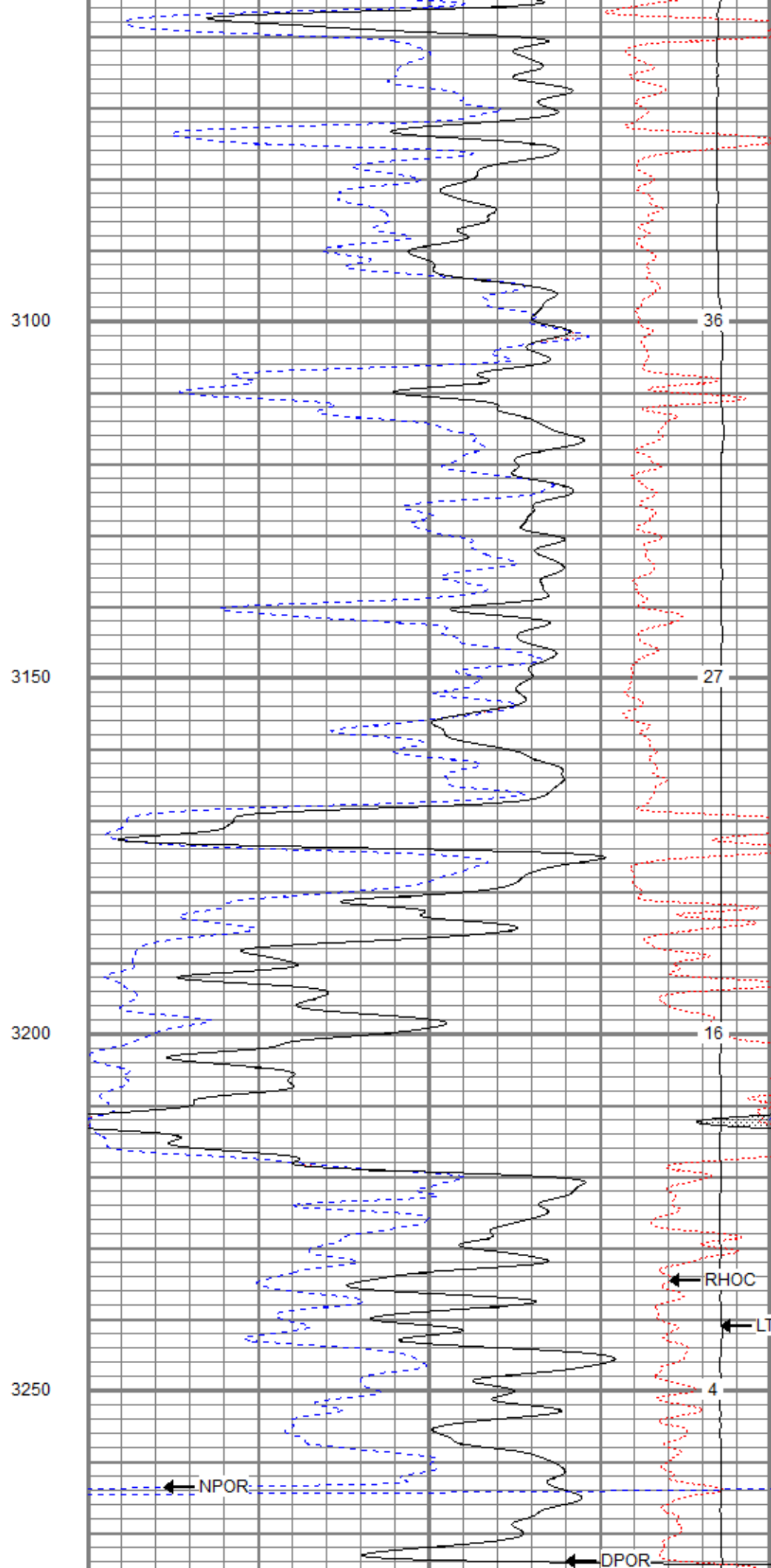
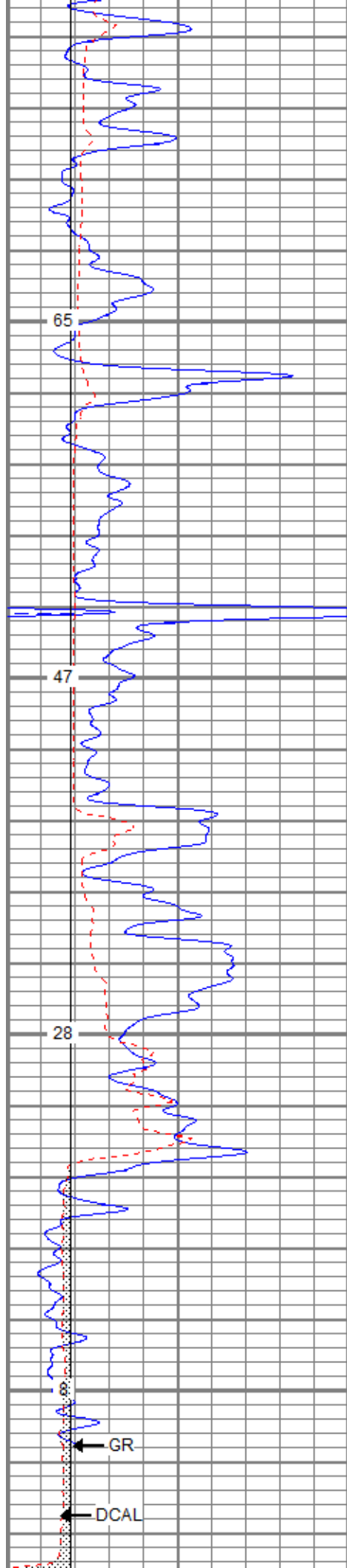


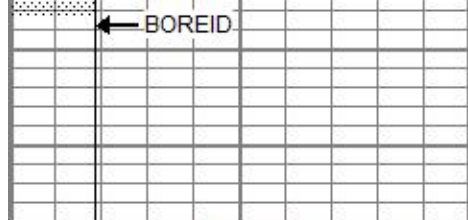












0	GR (GAPI)	150
6	DCAL (in)	16
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TBHV (ft3)



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

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

ABHV (ft3)



Repeat Pass

Database File crwessler#4oh.db
 Dataset Pathname pass1.1
 Presentation Format kcdnl
 Dataset Creation Tue Dec 22 18:46:02 2015
 Charted by Depth in Feet scaled 1:240

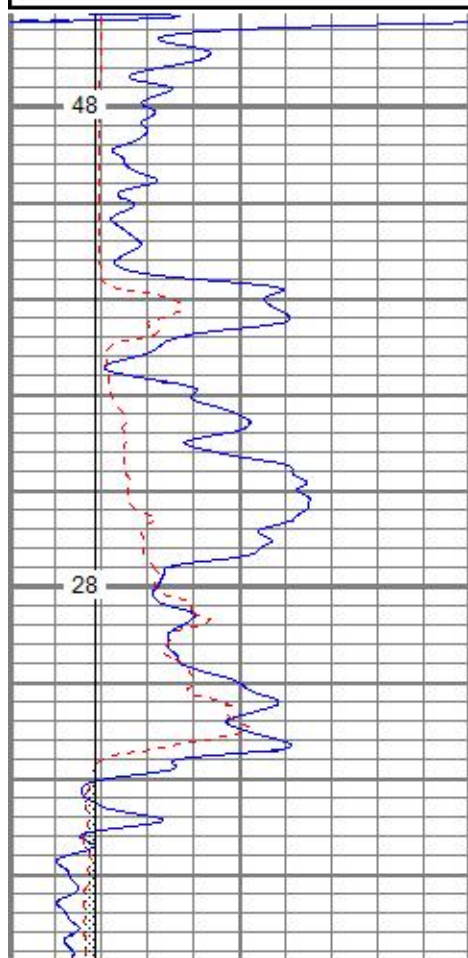
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16

TBHV (ft3)

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

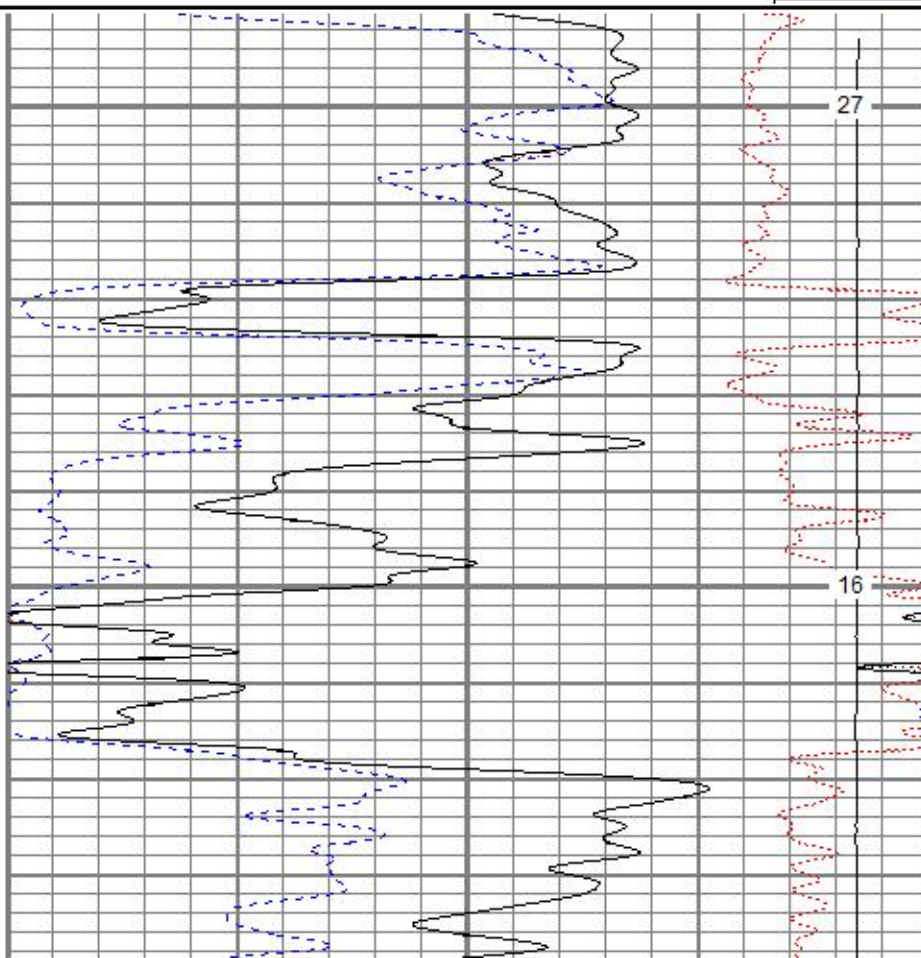
-0.25	RHOC (g/cc)	0.25
8000	LTEN (lb)	0

ABHV (ft3)



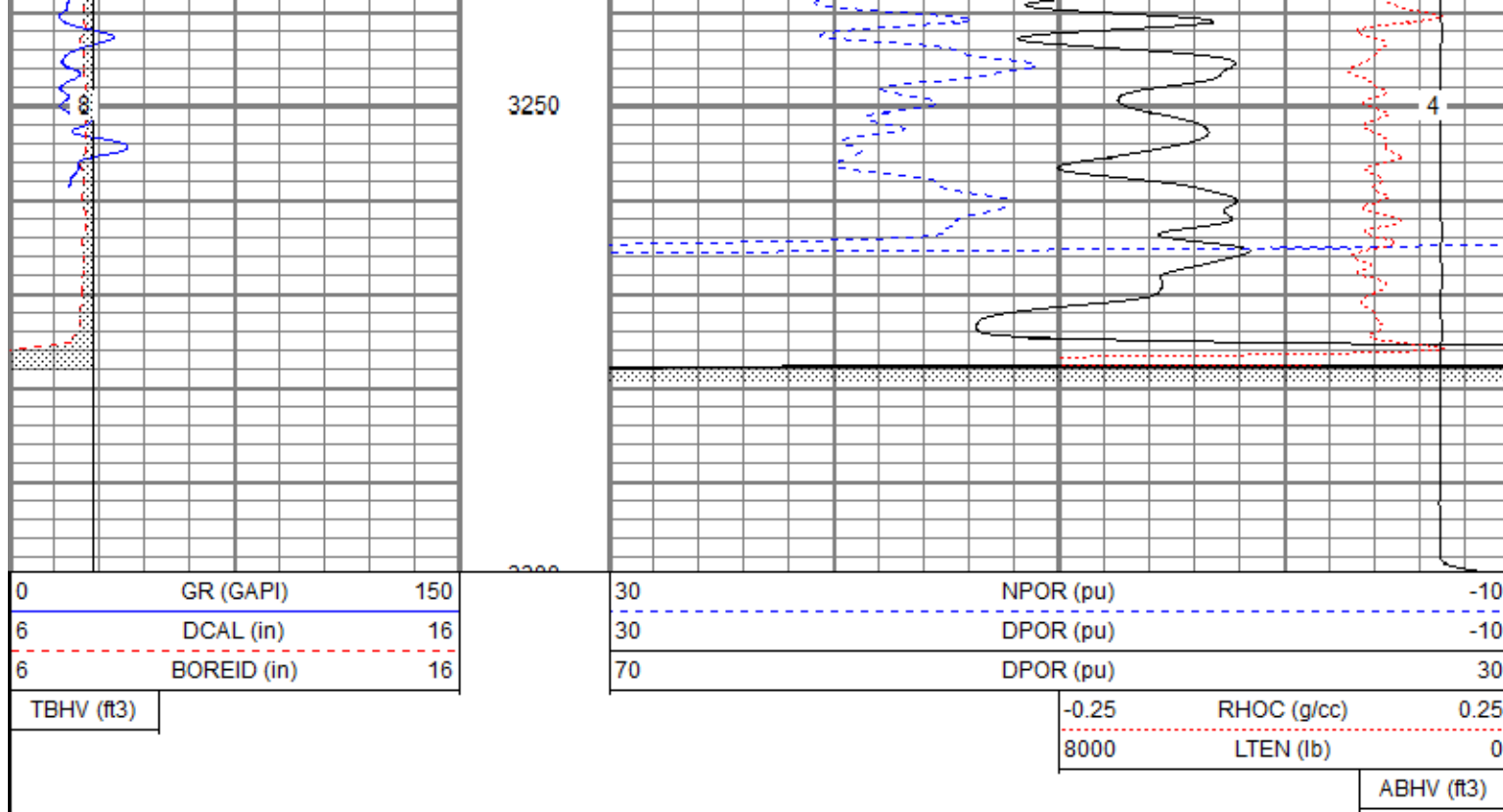
3150

3200



27

16



Calibration Report								
Database File	crwessler#4oh.db							
Dataset Pathname	pass1.1							
Dataset Creation	Tue Dec 22 18:46:02 2015							
Dual Induction Calibration Report								
Serial-Model:			080522-Probe					
Surface Cal Performed:			Sun Dec 13 14:46:43 2015					
Downhole Cal Performed:			Sun Dec 13 14:46:48 2015					
After Survey Verification Performed:			Thu Nov 12 13:09:55 2015					
Surface Calibration								
		Readings					Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.003	0.649	V	0.000	400.000	mmho/m	619.409	-1.732
Medium	0.006	0.744	V	0.000	464.000	mmho/m	628.632	-3.814
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.649	V	0.000	400.000	mmho/m	617.810	-0.943
Medium	0.006	0.744	V	0.000	464.000	mmho/m	628.534	-3.898
Downhole Calibration								
		Readings					Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-1.410	400.435	mmho/m	-0.786	400.250	mmho/m	0.998	0.621
Medium	-0.107	464.272	mmho/m	0.084	464.157	mmho/m	0.999	0.192
LL3		7.262	V		750.000	Ohm-m		
		0.008	V		12.000	Ohm-m		
		-7.297	V		3745.000	mmho-m		
After Survey Verification								
		Readings					Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-1.410	400.435	mmho/m	1.000	0.000

Medium	0.000	0.000	mmho/m	-0.107	464.272	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		

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Neutron Calibration Report

Serial Number:	2301AN	
Tool Model:	Oilex	
Performed:	(Not Performed)	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Gamma Ray Calibration Report

Serial Number:	1	
Tool Model:	A	
Performed:	Sun Nov 01 15:44:04 2015	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7000	GAPI/cps

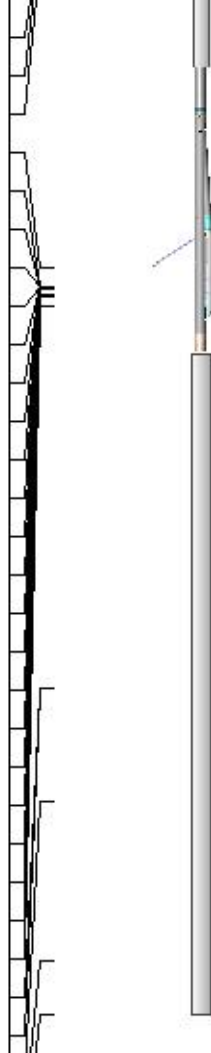
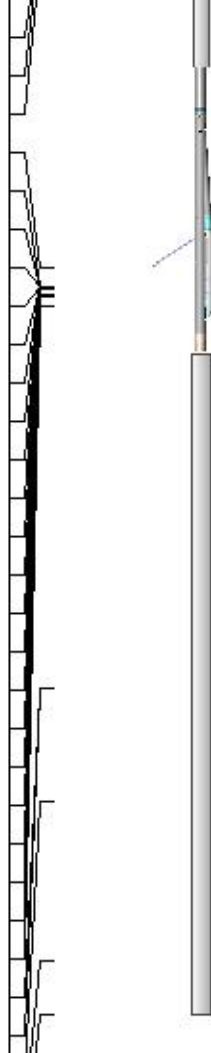
Temperature Calibration Report

Serial Number:	1	
Tool Model:	A	
Performed:	Mon Feb 10 14:27:19 2014	
	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:	Fri Nov 13 12:11:33 2015				
	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)
GR	38.71		CHD-STD	0.50	1.69	1.00
TEMP	35.74		ADT1PULSE-A (1)	0.83	3.50	10.00
PSTAT	35.45		Pulsed Interface Tool #1			
ASTAT	35.45		ADT1ADC-A (1)	0.83	3.50	10.00
GRD	35.20		Analog Interface #1			
ACCX	35.03		ADT1SENSORS-A (1)	4.54	3.50	10.00
			NEU Oilex (2301AN)	4.27	3.50	20.00

ACC1	35.03		NEU-Oilex (2301AN) Oilex 100V NEU			4.27	3.50	60.00
ACCX	35.03							
SSTAT	35.03							
NEU	34.26							
LStat	24.30							
LS8	23.64							
LS7	23.64							
LS6	23.64							
LS5	23.64							
LS4	23.64							
LS3	23.64							
LS2	23.64							
LS1	23.64							
LSV	23.64							
LSD	23.62							
SSV	23.43							
SS8	23.43							
SS7	23.43							
SS6	23.43							
SS5	23.43							
SS4	23.43							
SS3	23.43							
SS2	23.43							
SS1	23.43							
DCAL	23.37							
SSD	23.04							
SP	10.60							
CILD	10.60							
CILM	6.89		Dataset: crwessler#4oh.db: field/well/run1/pass1.1					
RLL3	1.70		Total length: 40.07 ft					
TR_Mon	0.00		Total weight: 696.00 lb					
			O.D.: 4.00 in					