



COMPENSATED DENSITY NEUTRON/PE LOG

Company	Prospect Oil & Gas Inc.
Well	Rose/Sis Unit #1
Field	Wildcat
County	Rawlins
State	Kansas
Company	Prospect Oil & Gas Inc.
Well	Rose/Sis Unit #1
Field	Wildcat
County	Rawlins
State	Kansas
Location:	API #: 15 153 21178
	353' FNL & 2907' FWL
Permanent Datum	SEC 12 TWP 1S RGE 35W
Log Measured From	Ground Level
Drilling Measured From	KB 5' AGL
	Elevation 3086'
	Other Services
	BCS
	DIL
	ML
	Elevation
	K.B. 3091'
	D.F. 3090'
	G.L. 3086'
Date	9-14-16
Run Number	One
Depth Driller	4310'
Depth Logger	4312'
Bottom Logged Interval	4289'
Top Log Interval	2900'
Casing Driller	8 5/8" @ 260'
Casing Logger	260'
Bit Size	7 7/8"
Type Fluid in Hole	Chemical
Density / Viscosity	9.3/64
pH / Fluid Loss	10/8.8
Source of Sample	Pit
Rm @ Meas. Temp	2.3@60degf
Rmf @ Meas. Temp	1.73@60degf
Rmc @ Meas. Temp	2.76@60degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	1.21@114degf
Time Circulation Stopped	10:00 a.m.
Time Logger on Bottom	12:15 p.m.
Maximum Recorded Temperature	114degf
Equipment Number	T127
Location	Hays, KS.
Recorded By	Gus Pfannenstiel
Witnessed By	Mr. Brad Hutchison

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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

North of Atwood to BB Rd., West to 12 Rd.,
North 2 miles, 1/2 East,
South into.



Main Pass

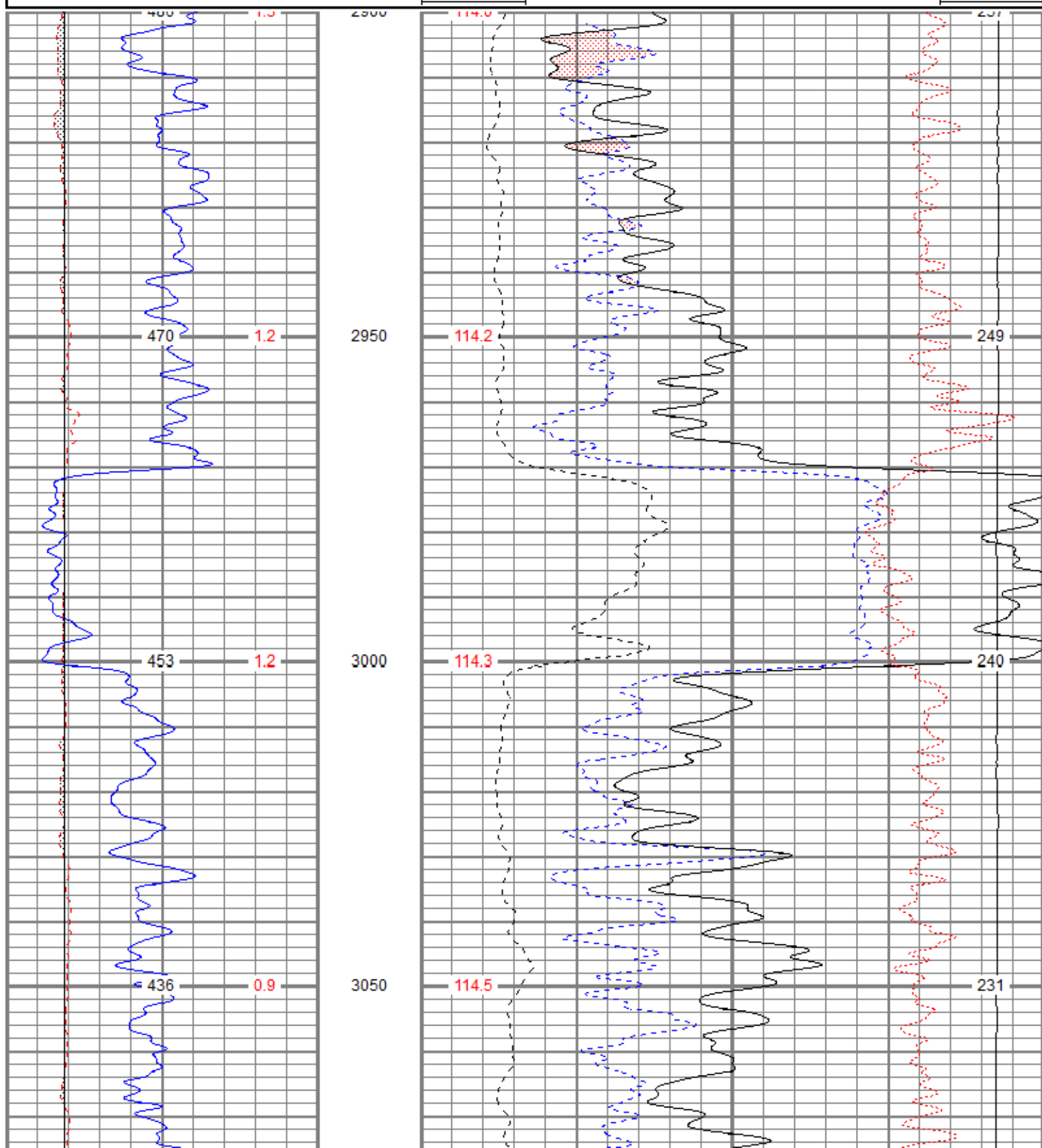
Database File porosesisunit#1oh.db
 Dataset Pathname pass3.1
 Presentation Format DIGITA~1
 Dataset Creation Wed Sep 14 13:05:53 2016
 Charted by Depth in Feet scaled 1:240

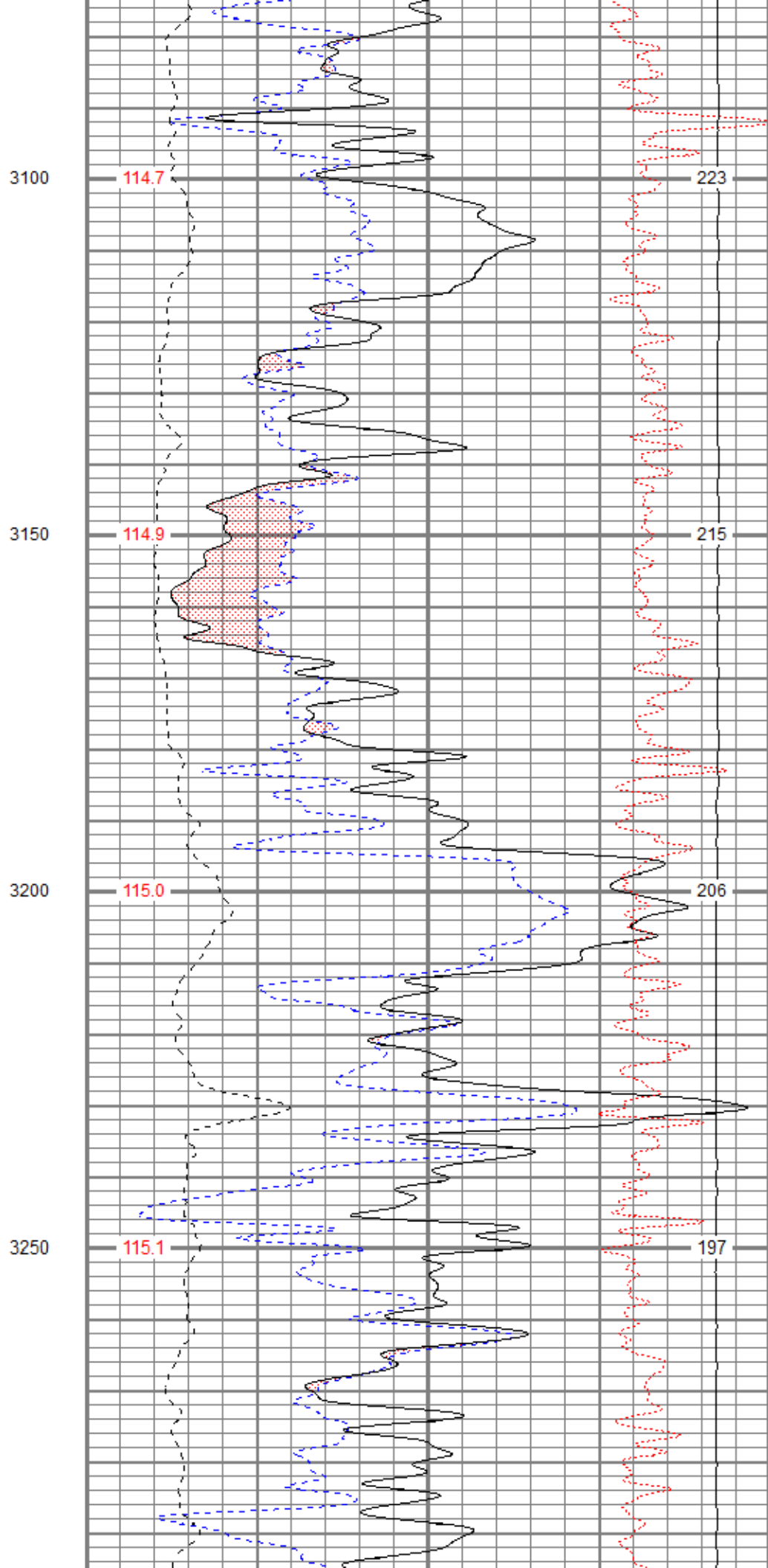
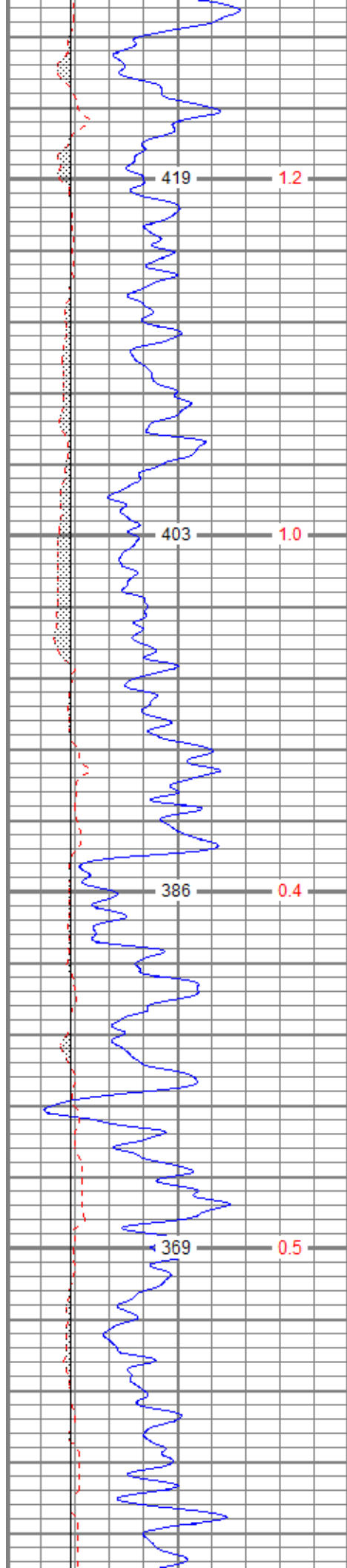
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16

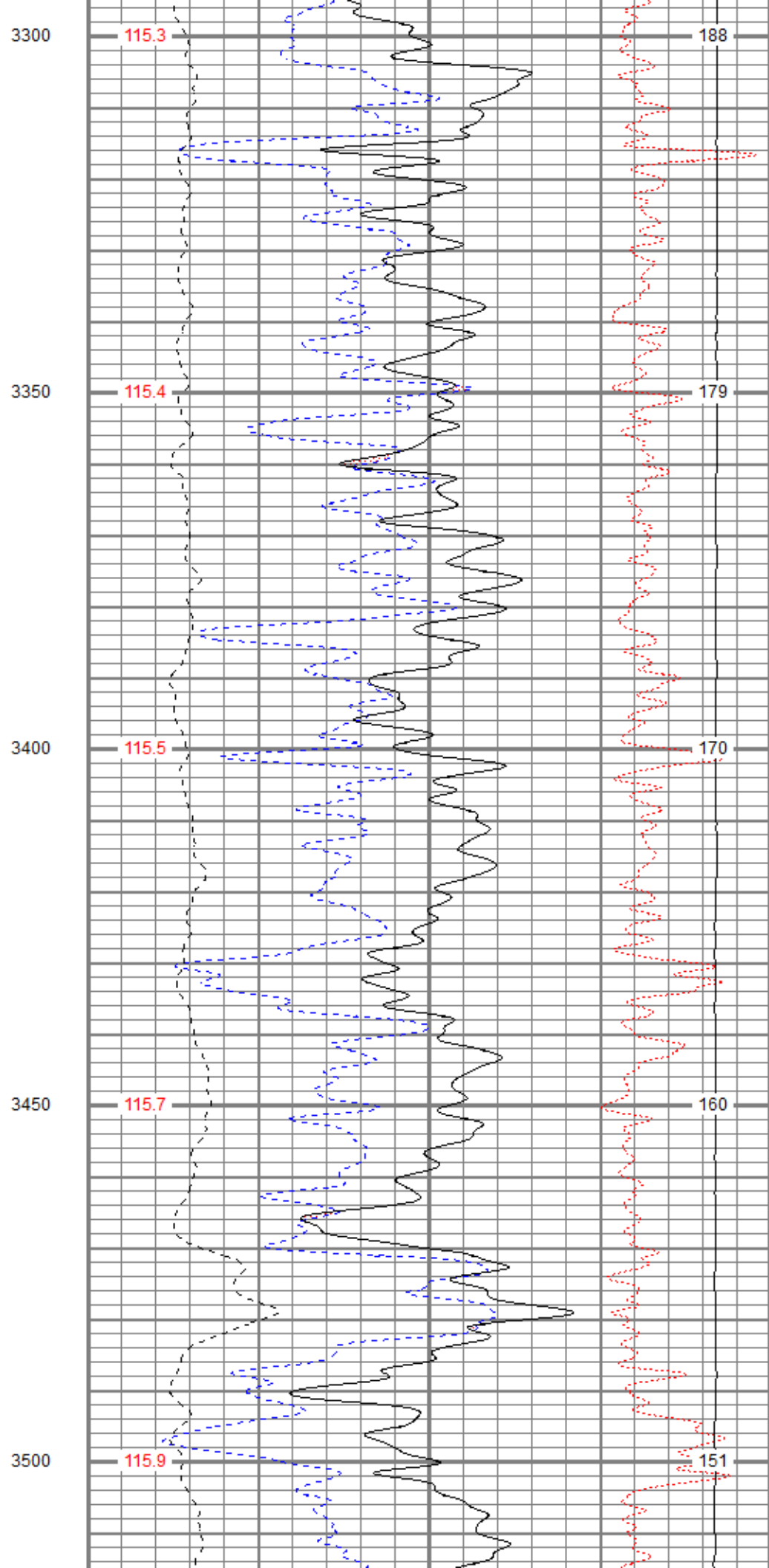
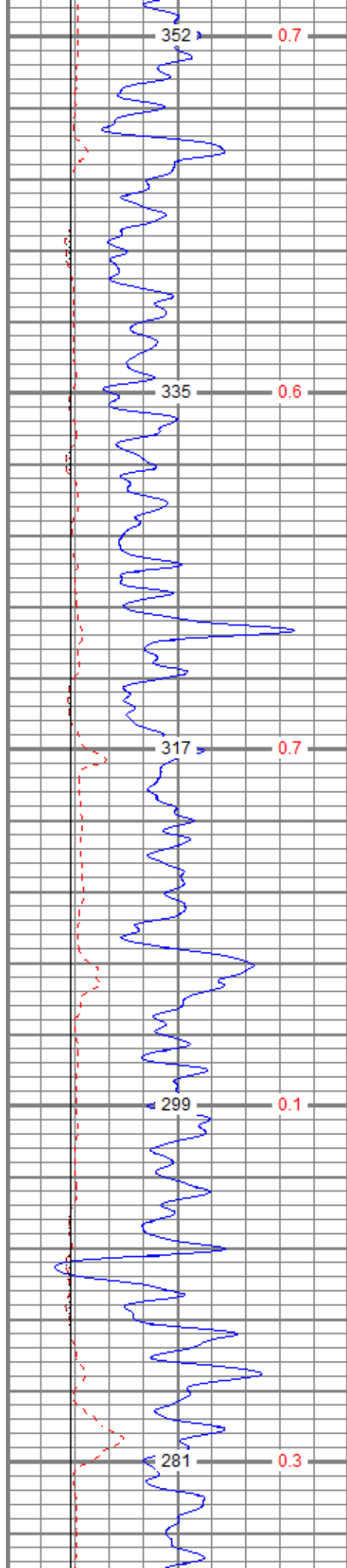
TBHV (ft3)	DEVI (deg)
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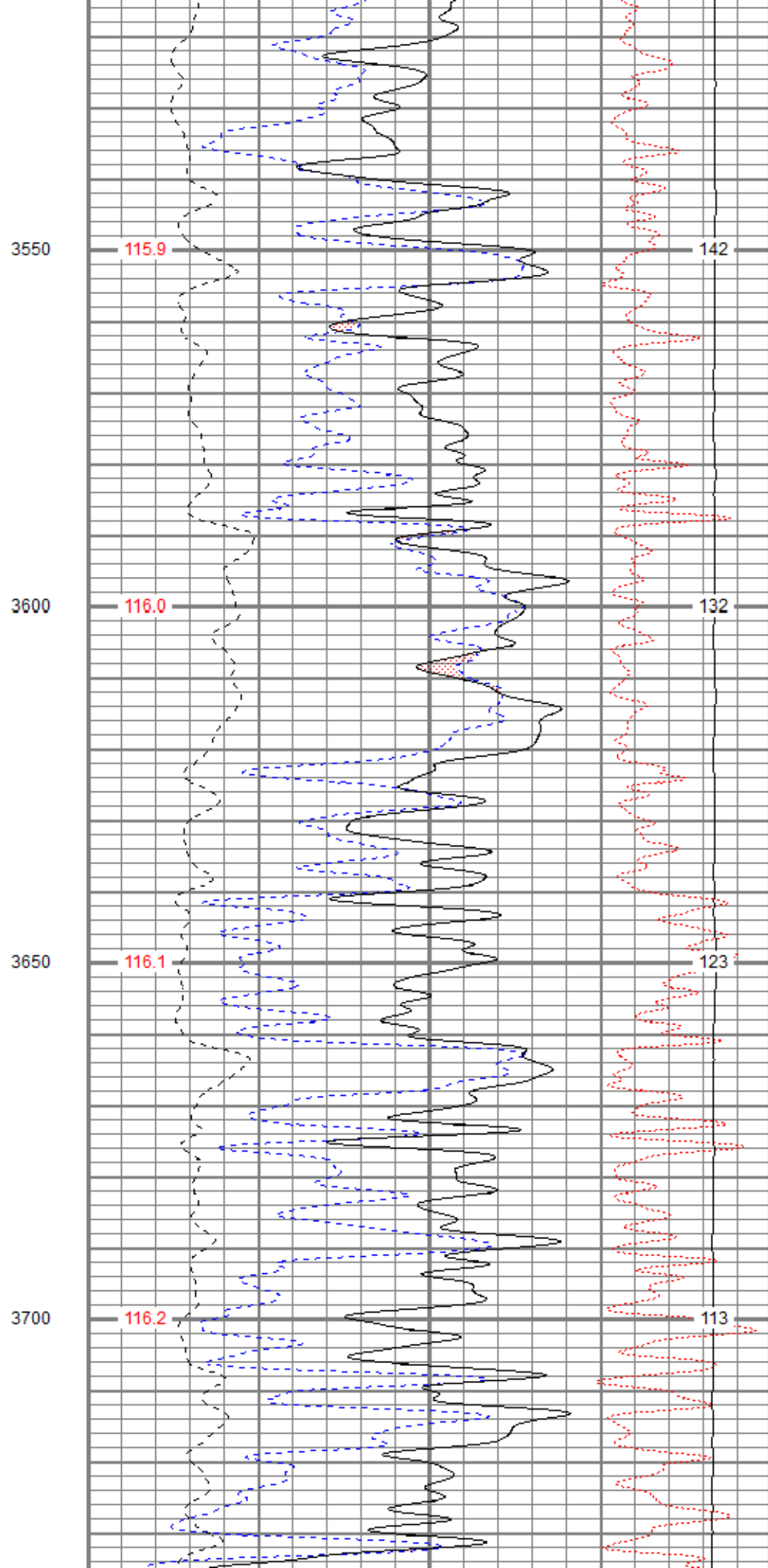
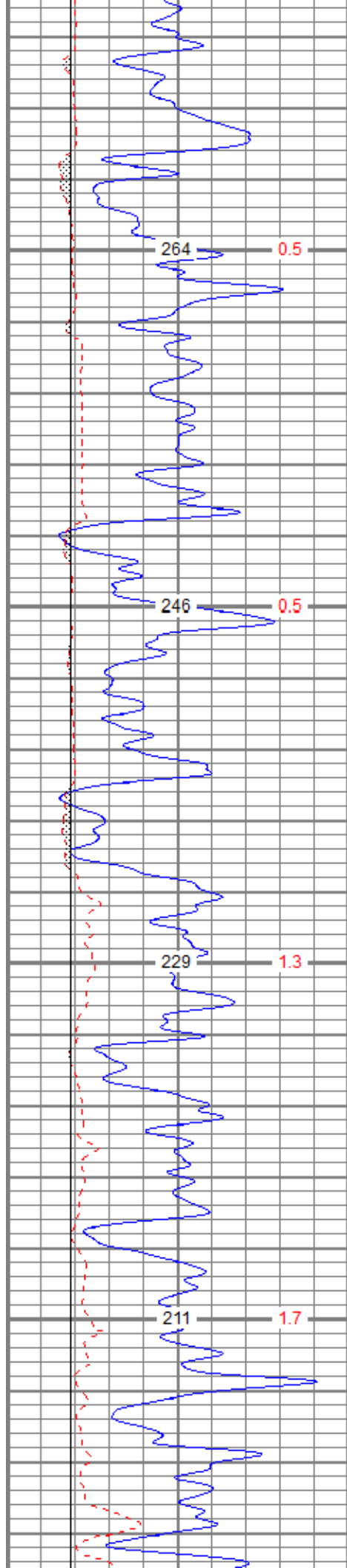
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30

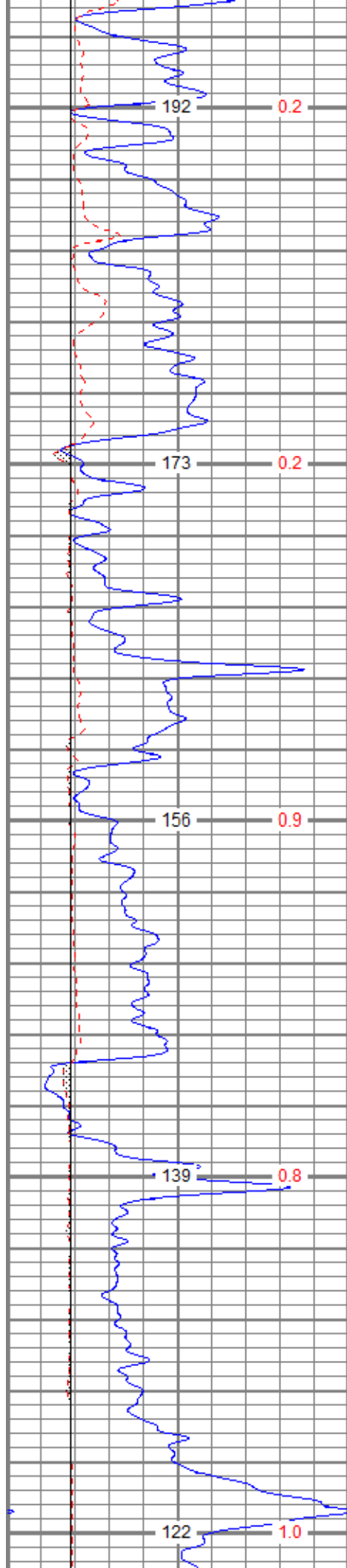
0	Pe (barn)	10	-0.25	RHOC (g/cc)	0.25
TEMP		8000	LTEN (lb)		0
(degF)				ABHV (ft3)	











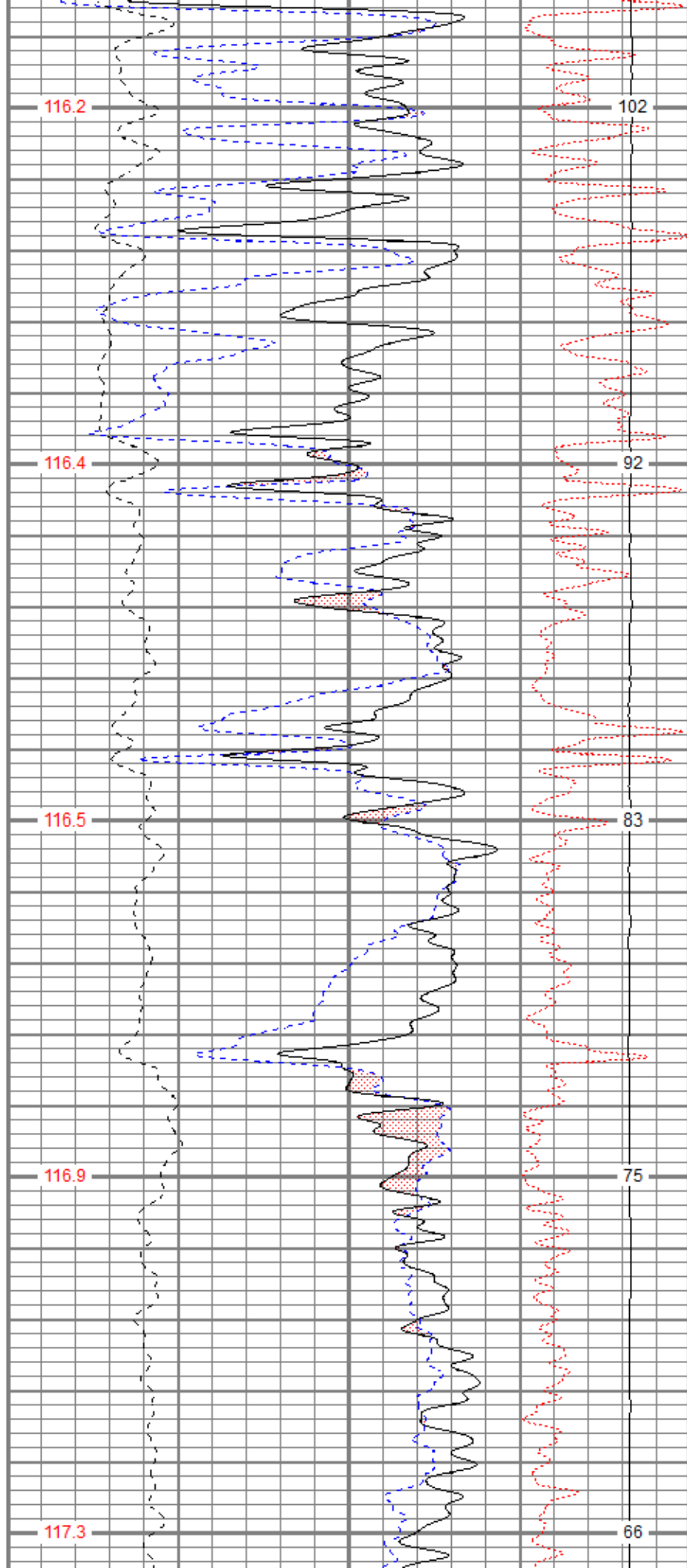
3750

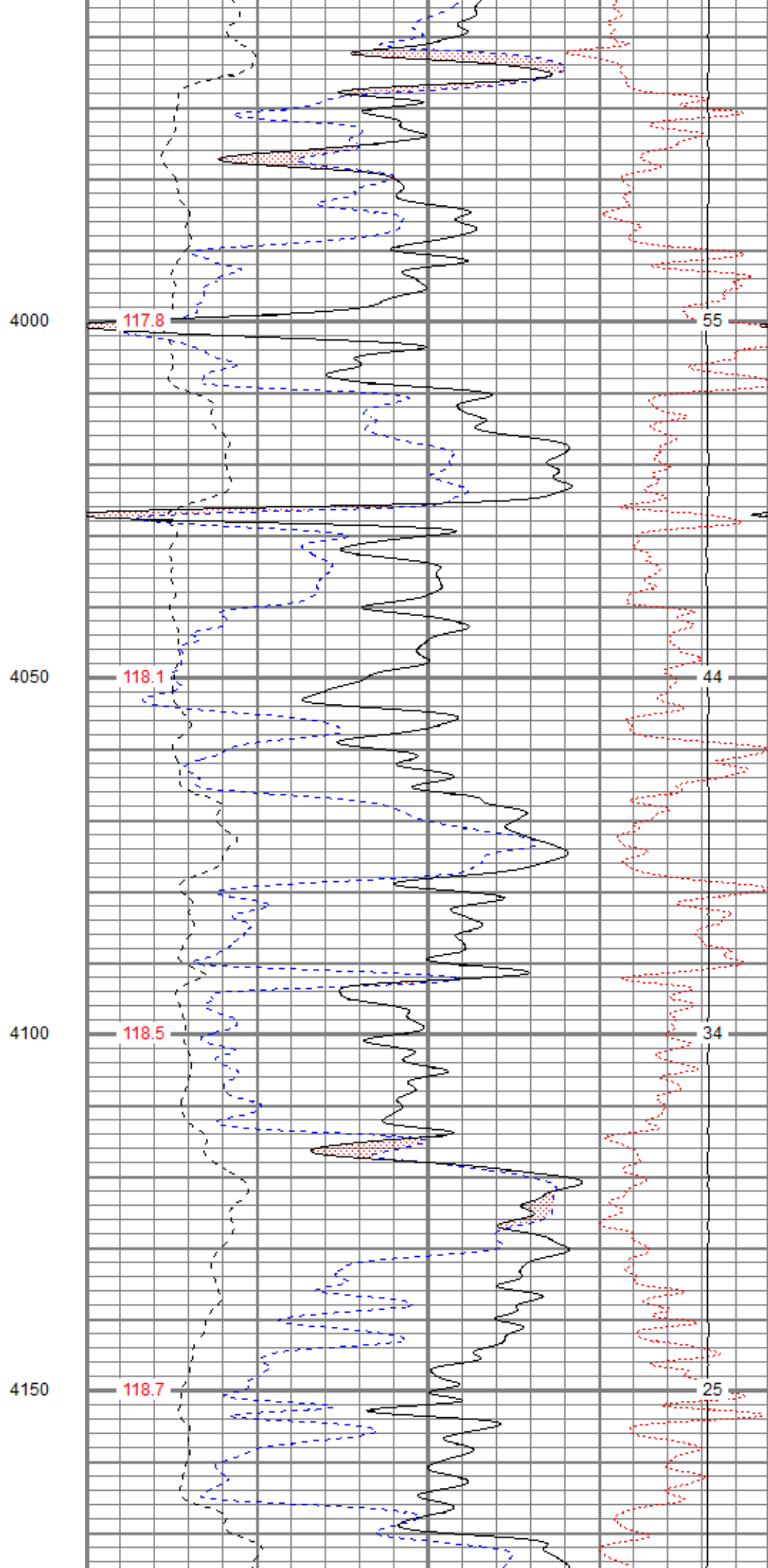
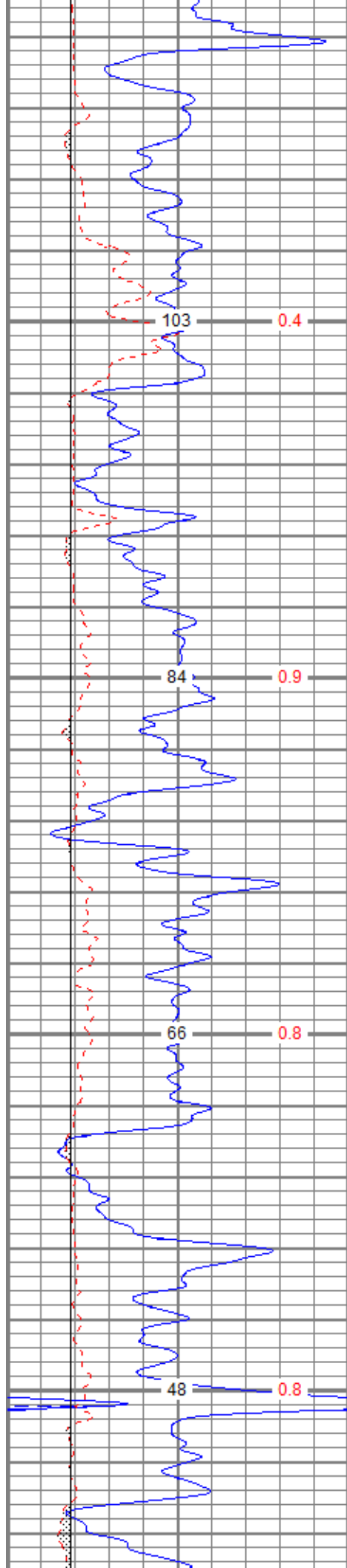
3800

3850

3900

3950





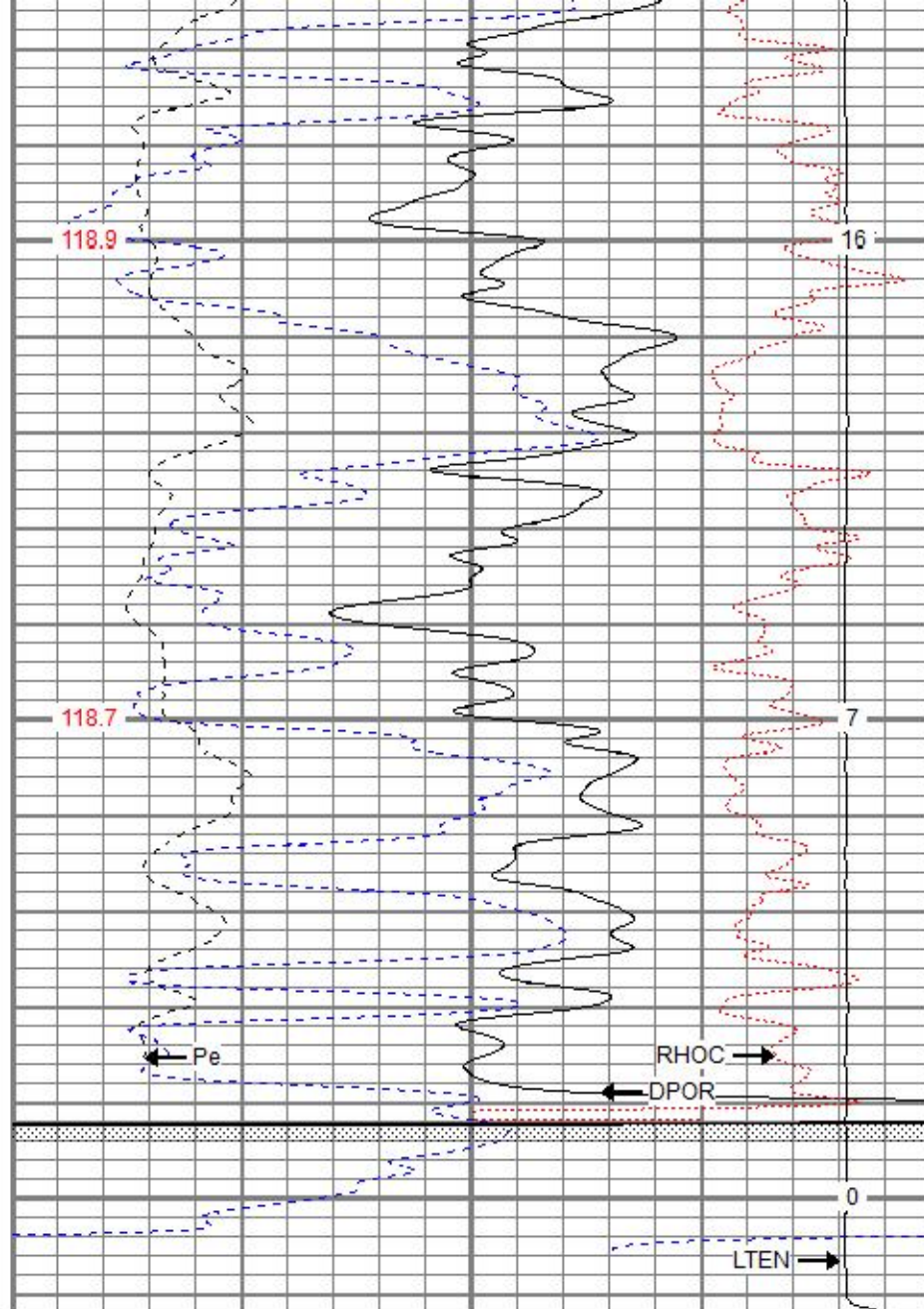


0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

4200

4250

4300



30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
0	Pe (barn)	10
TEMP (degF)		
8000	RHOC (g/cc)	0.25
	LTEN (lb)	0
	ABHV (ft3)	

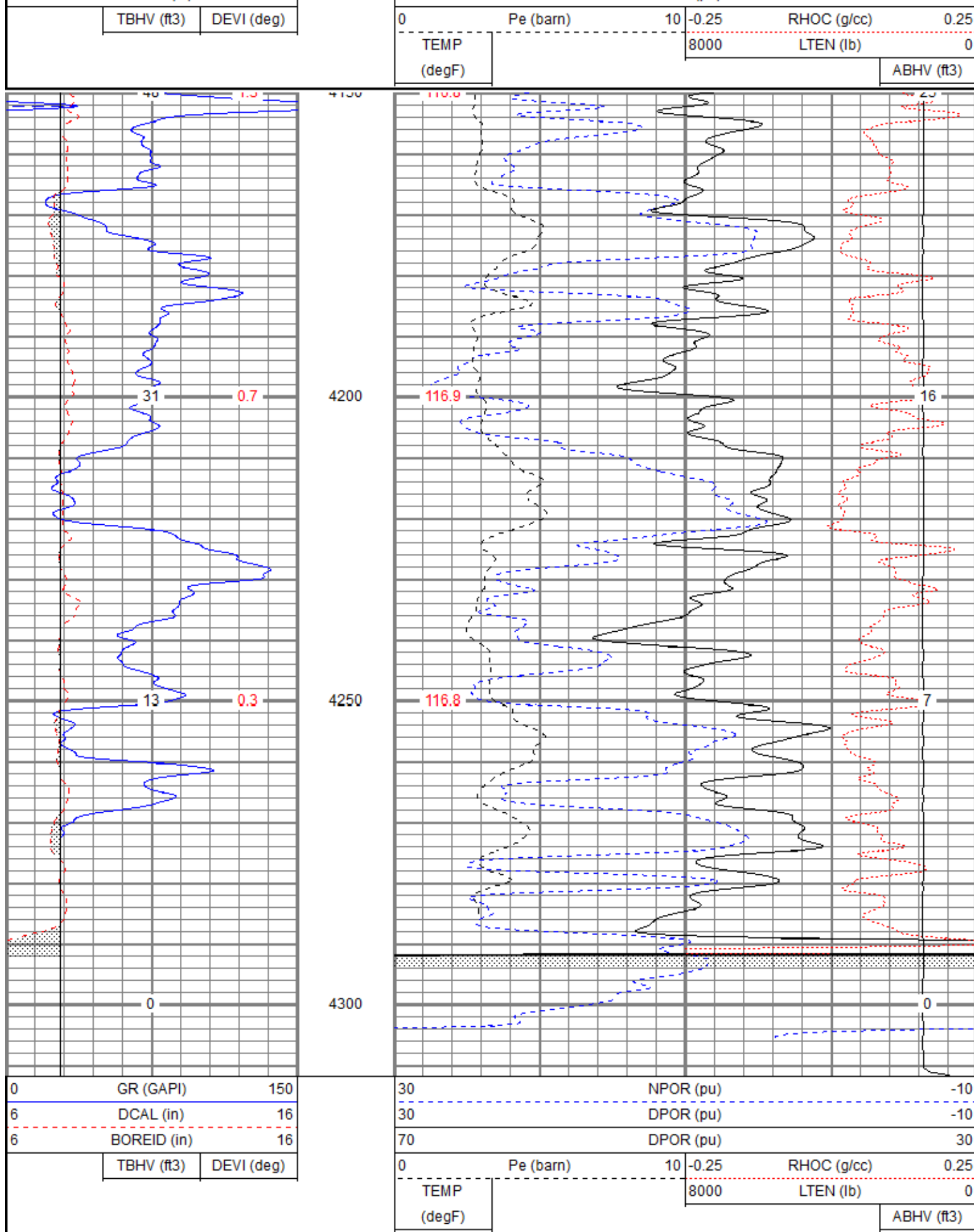


Repeat Pass

Database File: porosisunit#1oh.db
 Dataset Pathname: pass1.1
 Presentation Format: DIGITA~1
 Dataset Creation: Wed Sep 14 13:27:30 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



Calibration Report

Database File porosisunit#1oh.db
Dataset Pathname pass1.1

Dual Induction Calibration Report

Serial-Model: 1989-ADM
 Surface Cal Performed: Mon Jul 11 21:35:42 2016
 Downhole Cal Performed: Mon Jul 11 21:36:11 2016
 After Survey Verification Performed: Mon Jul 11 21:36:11 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	200.177	-3.046

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: 2301AN
 Tool Model: Oilex
 Performed: Tue Jun 28 11:51:54 2016
 Calibrator Value: 1 NAPI
 Calibrator Reading: 1 cps
 Sensitivity: 1 NAPI/cps

Gamma Ray Calibration Report

Serial Number: 1
 Tool Model: A
 Performed: Tue Jun 28 11:51:59 2016
 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: 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)
PSTAT	38.23		CHD-STD	0.50	1.69	1.00
GR	36.95		ADT1PULSE-A (1) Pulsed Interface Tool #1	0.83	3.50	10.00
TEMP	33.98		ADT1ADC-A (1) Analog Interface #1	0.83	3.50	10.00
ASTAT	33.69		ADT1SENSORS-A (1)	4.54	3.50	10.00
GRD	33.44		NEU-Oilex (2301AN) Oilex 100V NEU	4.27	3.50	80.00
ACCY	33.27					
ACCX	33.27					
SSTAT	33.27					
NEU	32.50					
LStat	22.54					
LS8	21.88		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
LS7	21.88					
LS6	21.88					
LS5	21.88					
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		DIL-ADM (1989) Dual Induction	19.71	4.00	300.00
SS6	21.67					
SS5	21.67					
SS4	21.67					
SS3	21.67					
SS2	21.67					
SS1	21.67					
DCAL	21.61					
SSD	21.27					
SP	10.60					

CILD	10.60	—	Dataset:	porosesisunit#1oh.db: field/well/run1/pass1.1
CILM	6.89	—	Total length:	38.31 ft
RLL3	1.70	—	Total weight:	651.00 lb
TR Mon	0.00	—	O.D.:	4.00 in