COMPENSATED DENSITY NEUTRON LOG

Company	American Oil LLC.
Well	PCR #1-23
Field	Lorraine
County	Ellsworth
State	Kansas

Company American Oil LLC.
Well PCR #1-23
Field Lorraine
County Ellsworth State Kansas

Location: API # : 15 053 21366
1138' FSL & 857' FWL
SEC 23 TWP 17S RGE 9W

Other Services
DIL
ML

Elevation
K.B. 1782'
D.F. 1781'
G.L. 1774'

Permanent Datum Ground Level Elevation 1774'
Log Measured From KB 8' AGL
Drilling Measured From KB

Date	9-18-18		
Run Number	One		
Depth Driller	3290'		
Depth Logger	3292'		
Bottom Logged Interval	3270'		
Top Log Interval	2400'		
Casing Driller	8 5/8"@ 473'		
Casing Logger	473'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical Mud	Chlorides 4000 PPM	
Density / Viscosity	8.9/50		
pH / Fluid Loss	10.0/7.2		
Source of Sample	Pit		
Rm @ Meas. Temp	1.3@82degf		
Rmf @ Meas. Temp	0.98@82degf		
Rmc @ Meas. Temp	1.56@82degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.99@108degf		
Time Circulation Stopped	4:30 a.m		
Time Logger on Bottom	9:00 a.m		
Maximum Recorded Temperature	108degf		
Equipment Number	T-127		
Location	Hays, KS.		
Recorded By	C.Patterson		
Witnessed By	Mr. Austin Klaus		

<<< Fold Here >>>

Comments

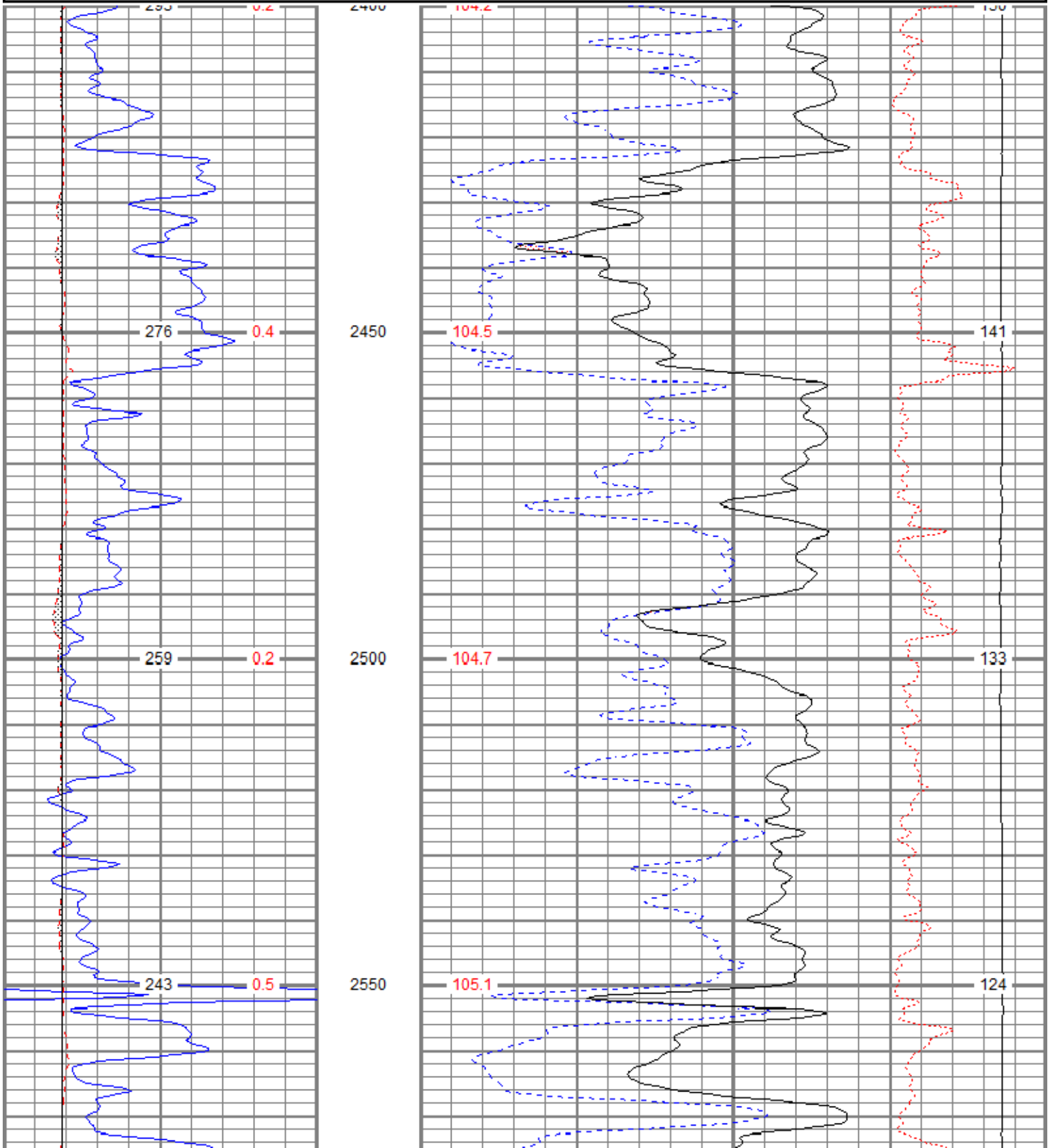
East Of Bushton,KS on Hwy 4 to 11th Rd., Then North 2.7 mi. on 11th Rd.,
East into Location
(or 10th Rd North 2mi. to Ave. W then East 1 mi to 11th Rd., North 1/4 mi East Into)
Thanks for using Gemini Wireline LLC
785-625-1182

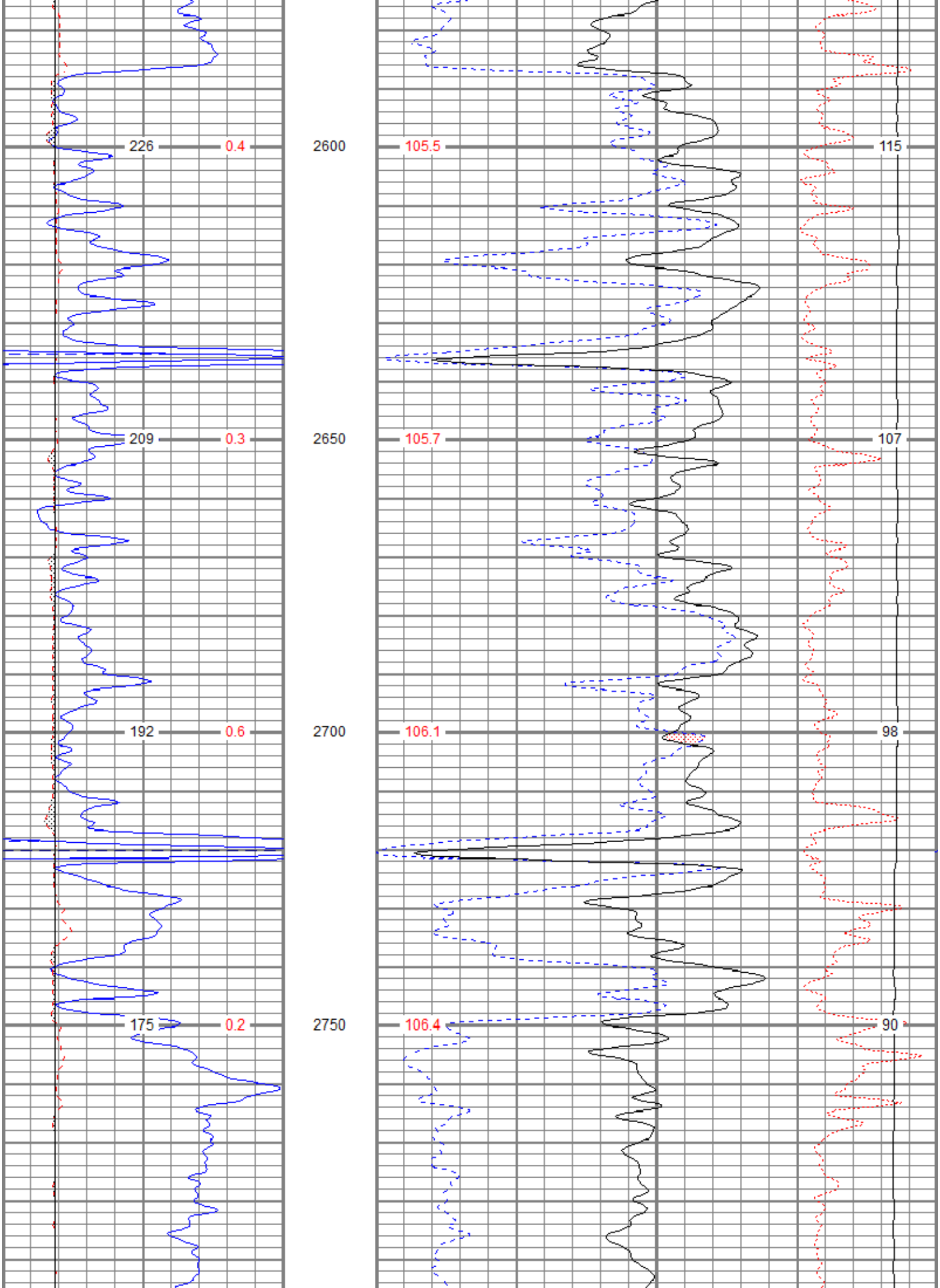
MAIN PASS

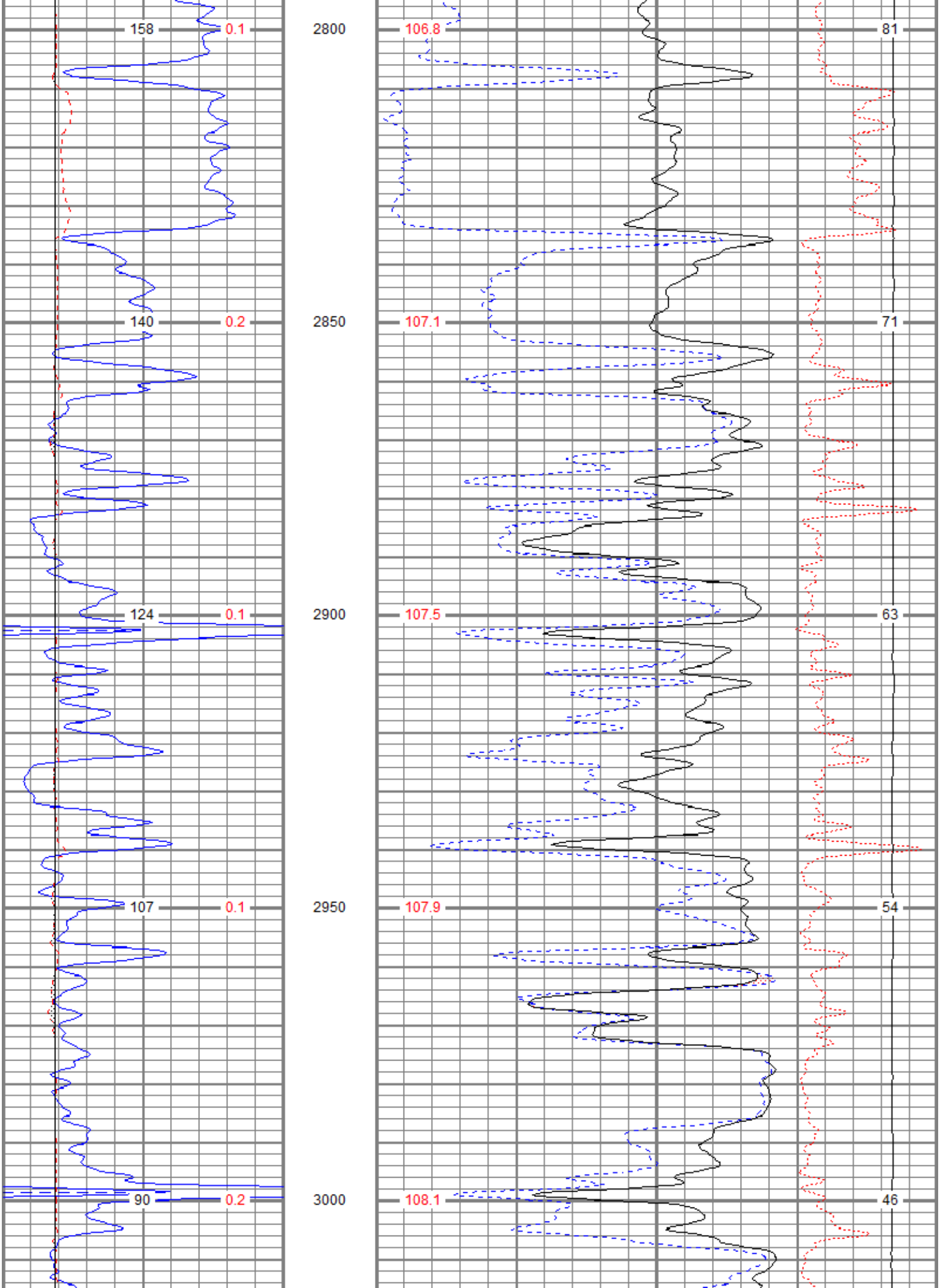
Database File	aopcr#1-23oh.db
Dataset Pathname	pass2
Presentation Format	digital_kcdnl
Dataset Creation	Tue Sep 18 09:16:29 2018
Charted by	Depth in Feet scaled 1:240

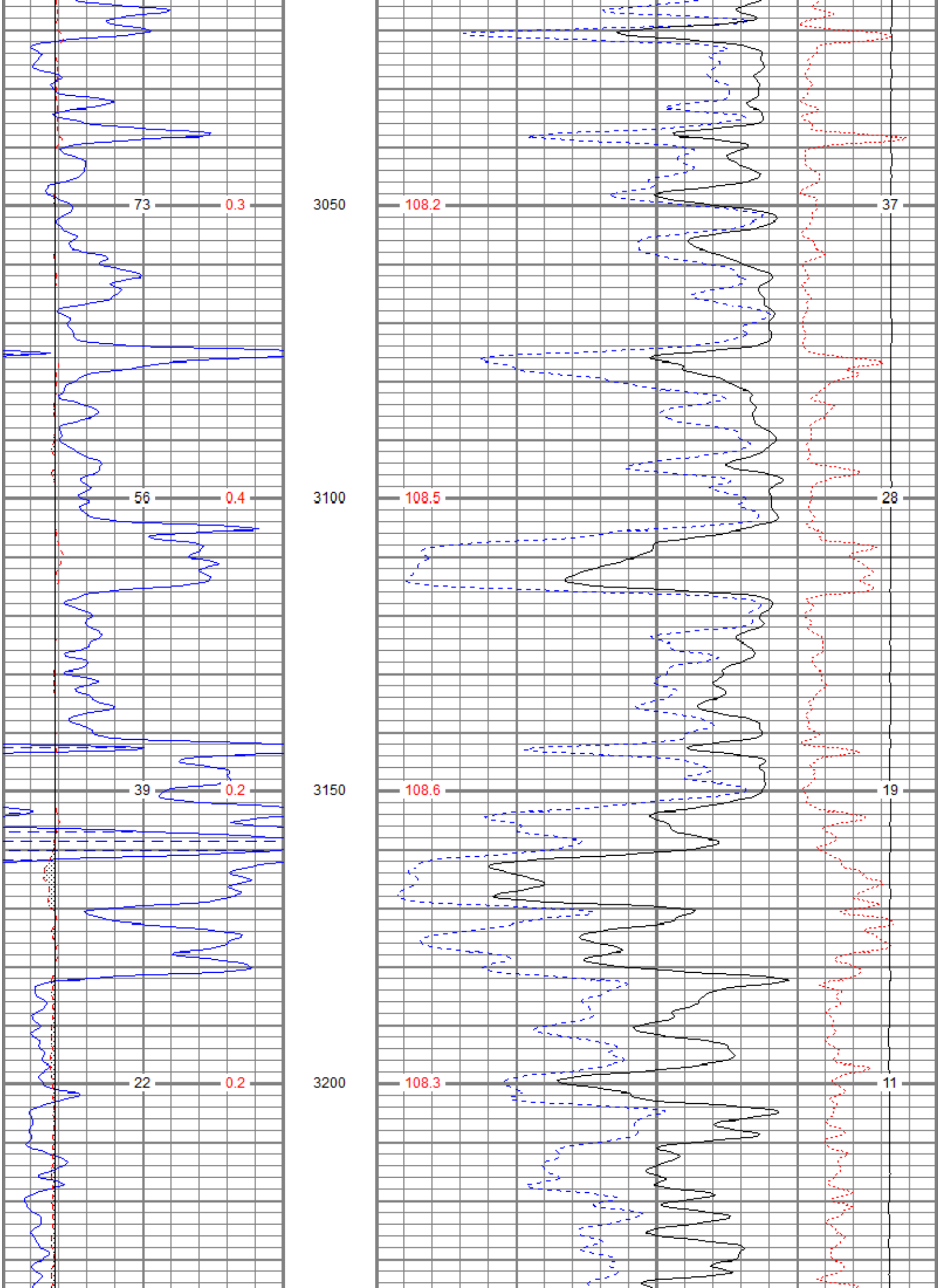
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

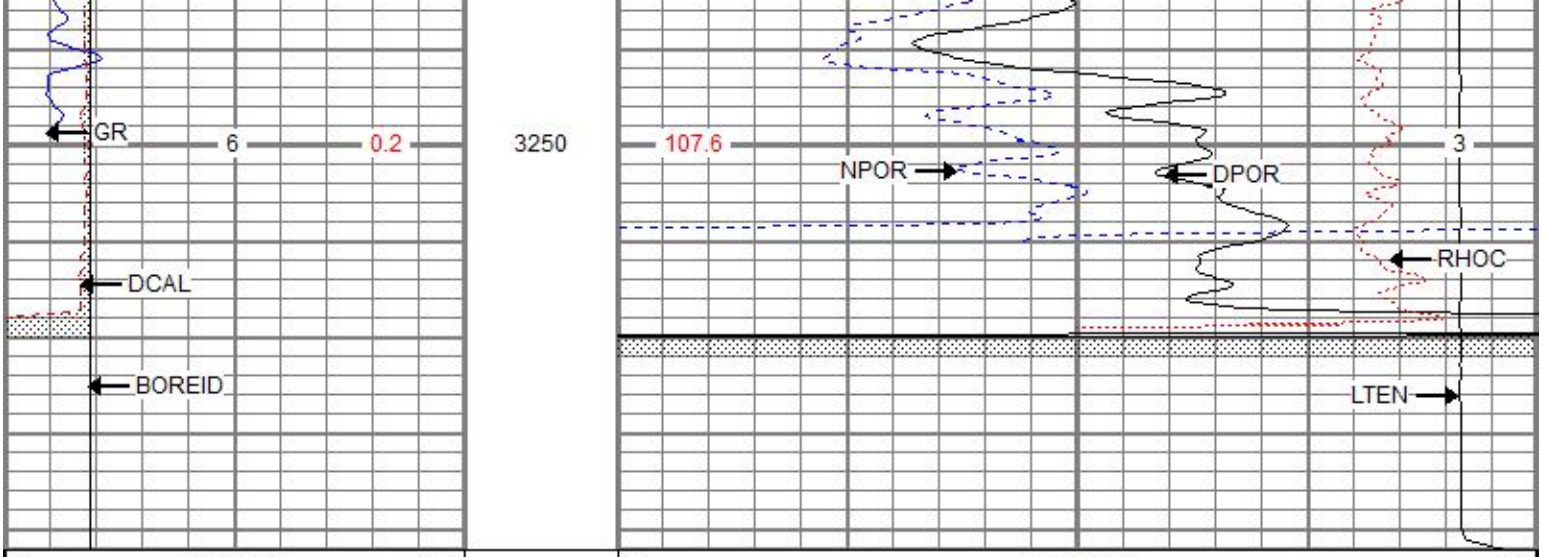
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
TEMP (degF)	-0.25 RHOC (g/cc)	0.25
	8000 LTEN (lb)	0
		ABHV (ft3)




226
0.4
2600
105.5
115
209
0.3
2650
105.7
107
192
0.6
2700
106.1
98
175
0.2
2750
106.4
90


158
0.1
2800
106.8
81
140
0.2
2850
107.1
71
124
0.1
2900
107.5
63
107
0.1
2950
107.9
54
90
0.2
3000
108.1
46


73
0.3
3050
108.2
37
56
0.4
3100
108.5
28
39
0.2
3150
108.6
19
22
0.2
3200
108.3
11



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

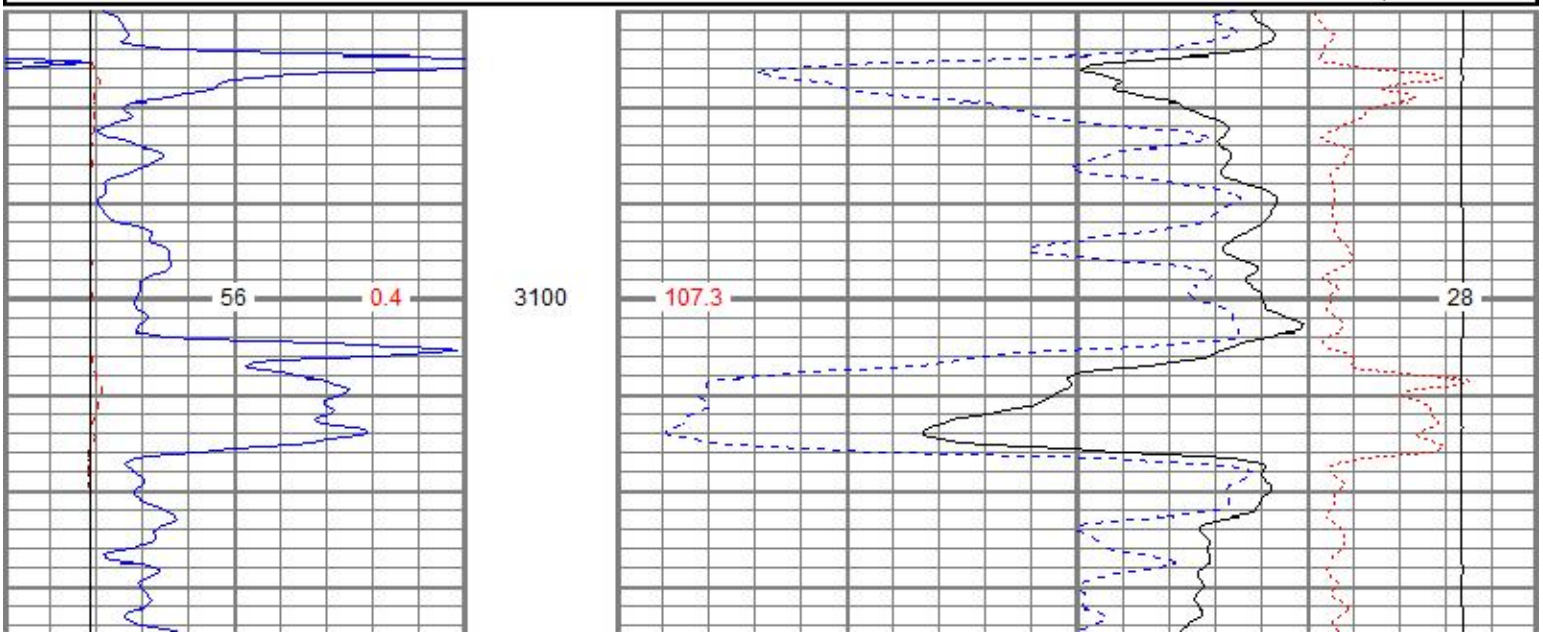
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
TEMP (degF)	-0.25 RHOC (g/cc)	0.25
	8000 LTEN (lb)	0
	ABHV (ft3)	

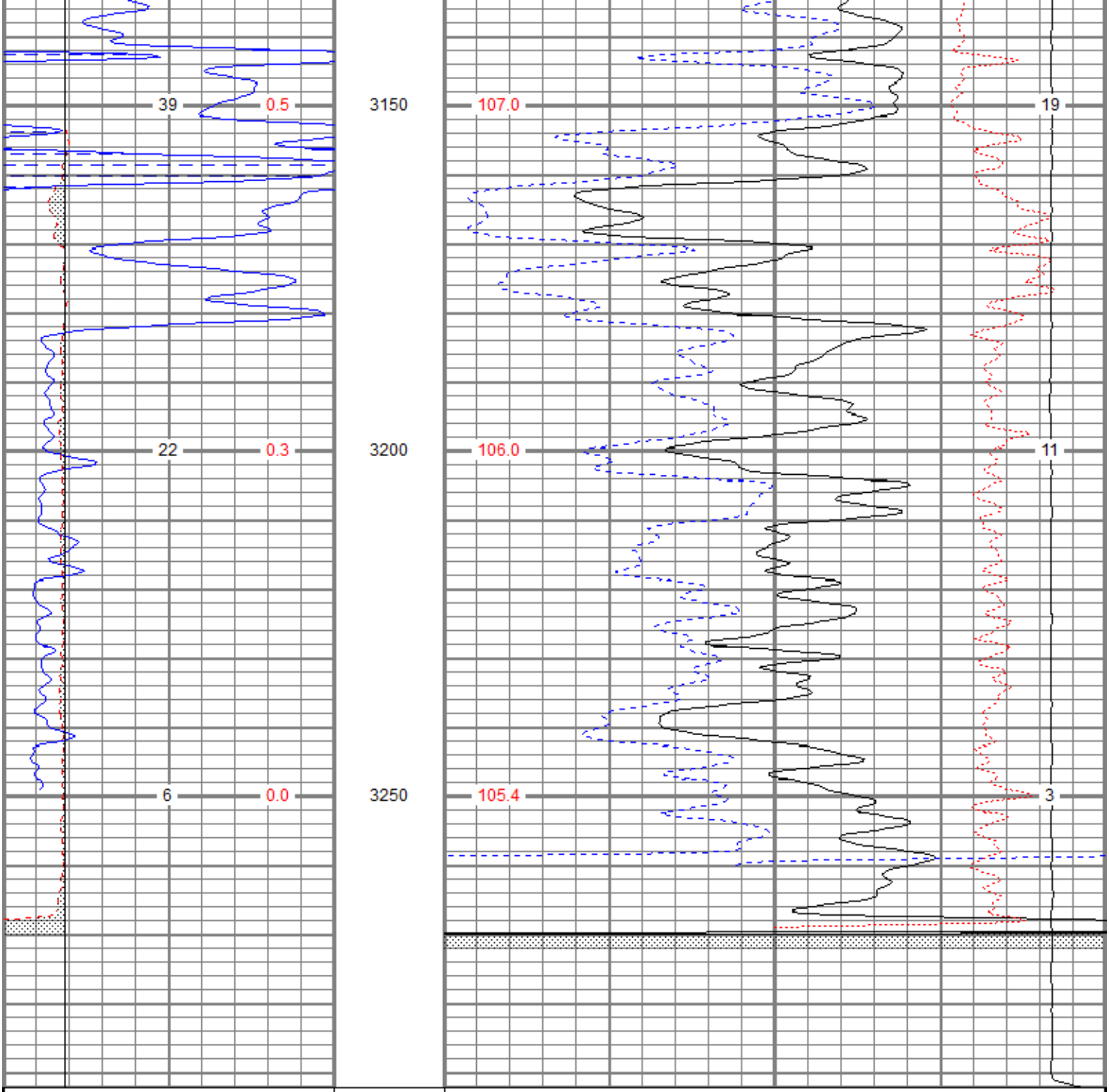
REPEAT SECTION

Database File	aopcr#1-23oh.db
Dataset Pathname	pass1.1
Presentation Format	digital_kcdnl
Dataset Creation	Tue Sep 18 09:38:04 2018
Charted by	Depth in Feet scaled 1:240

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

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





Calibration Report

Database File	aopcr#1-23oh.db
Dataset Pathname	pass2
Dataset Creation	Tue Sep 18 09:16:29 2018

Dual Induction Calibration Report

Serial-Model:	5375-G
Surface Cal Performed:	Sat Oct 10 08:33:18 2015
Downhole Cal Performed:	Sat Oct 10 08:33:23 2015

Downhole Cal Performed: Sat Oct 10 08:33:25 2015
After Survey Verification Performed: Sat Oct 10 08:33:27 2015

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	551.294	-3.816
Medium	0.010	0.728	V	0.000	400.000	mmho/m	556.531	-5.391
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.145	350.239	mmho/m	-0.044	350.323	mmho/m	1.001	-0.189
Medium	0.435	400.472	mmho/m	-0.037	400.340	mmho/m	1.001	-0.473
Shallow	2.440	0.018	V	500.000	2.000	Ohm-m	185.000	1.624

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.145	350.239	mmho/m	1.001	-0.189
Medium	0.000	0.000	mmho/m	0.435	400.472	mmho/m	1.001	-0.473
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Neutron Calibration Report

Serial Number:	ADM5139	
Tool Model:	lithogearhart	
Performed:	(Not Performed)	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Temperature Calibration Report

Serial Number:	WithMC			
Tool Model:	WMC			
Performed:	(Not Performed)			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	1.00			
Offset:	0.00			
Delta Spacing	1			

Inclinometer Calibration Report

Performed: Mon Aug 07 11:02:07 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

Gamma Ray Calibration Report

Serial Number:	WithMC	
Tool Model:	WMC	
Performed:	Mon Aug 07 11:03:41 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9000	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STD	0.50	1.69	1.00
GR	40.47					
ACCY	39.30		ADT-WMC (WithMC) Admyr Telemetry With Mudcell	4.58	3.50	120.00
ACCX	39.30					
SSTAT	38.89					
PSTAT	38.05					
ASTAT	38.05		NEU-lithogearhart (ADM5139)	5.65	3.50	85.00
GRD	37.22					
TEMP	37.22					
NEU	33.85					
			CDL-GEARHART (2501)	9.69	4.00	240.00
LSD	23.78					
DCAL	23.49					
SSD	23.24					
SP	10.60		DIL-G (5375) Gearhart	21.47	4.00	345.00
CILD	10.60					
CILM	6.89					
RLL3	1.70					

Dataset: aopcr#1-23oh.db: field/well/run1/pass2
Total length: 41.89 ft
Total weight: 791.00 lb

Total weight:	791.00 lb
O.D.:	4.00 in