



COMPENSATED DENSITY NEUTRON LOG

Company American Oil LLC.

Well Baugher #3

Field Ellis Northwest

County Trego

State Kansas

Location:

API #: 15 195 23056

DIL
ML

SEC 23 TWP 12S RGE 21W

Permanent Datum Ground Level Elevation 2272'
Log Measured From KB 5' AGL
Drilling Measured From KB

Elevation
K.B. 2277'
D.F. 2276'
G.L. 2272'

Date 5-24-18

Run Number One

Depth Driller 4025'

Depth Logger 4028'

Bottom Logged Interval 4006'

Top Log Interval 3200'

Casing Driller 8 5/8" @ 218'

Casing Logger 218'

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 9.4/58

pH / Fluid Loss 9.2/7.2

Source of Sample Pit

Rm @ Meas. Temp 1.4 @ 80 degf

Rmf @ Meas. Temp 1.1 @ 80 degf

Rmc @ Meas. Temp 1.8 @ 80 degf

Source of Rmf / Rmc Calculated

Rm @ BHT 1.0 @ 117 degf

Time Circulation Stopped 2:30 a.m.

Time Logger on Bottom 4:30 a.m.

Maximum Recorded Temperature 117 degf

Equipment Number T-127

Location Hays, KS.

Recorded By C. Patterson

Witnessed By Mr. Austin Klaus

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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 Ellis on Ellis Black Top 2.5 mi. (Ellis Ave.) To Locust Grove Rd.,
Then West on Locust Grove Rd. 3 mi. to 400 Ave., Then North on 400 Ave. 1/4 mi west into Location

Thanks for using Gemini Wireline LLC
785-625-1182

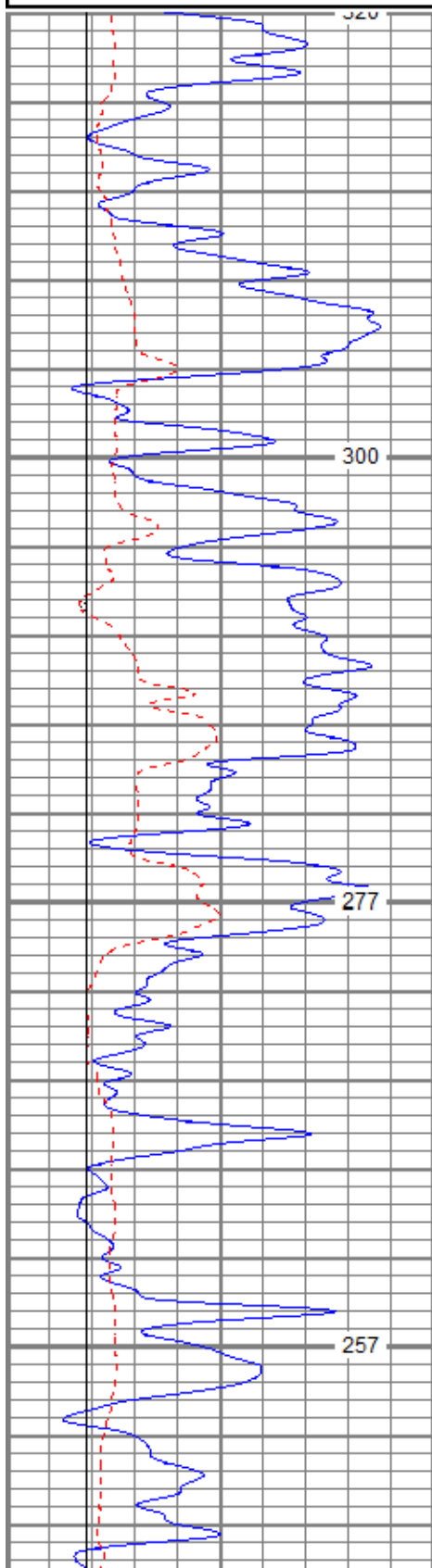


MAIN PASS

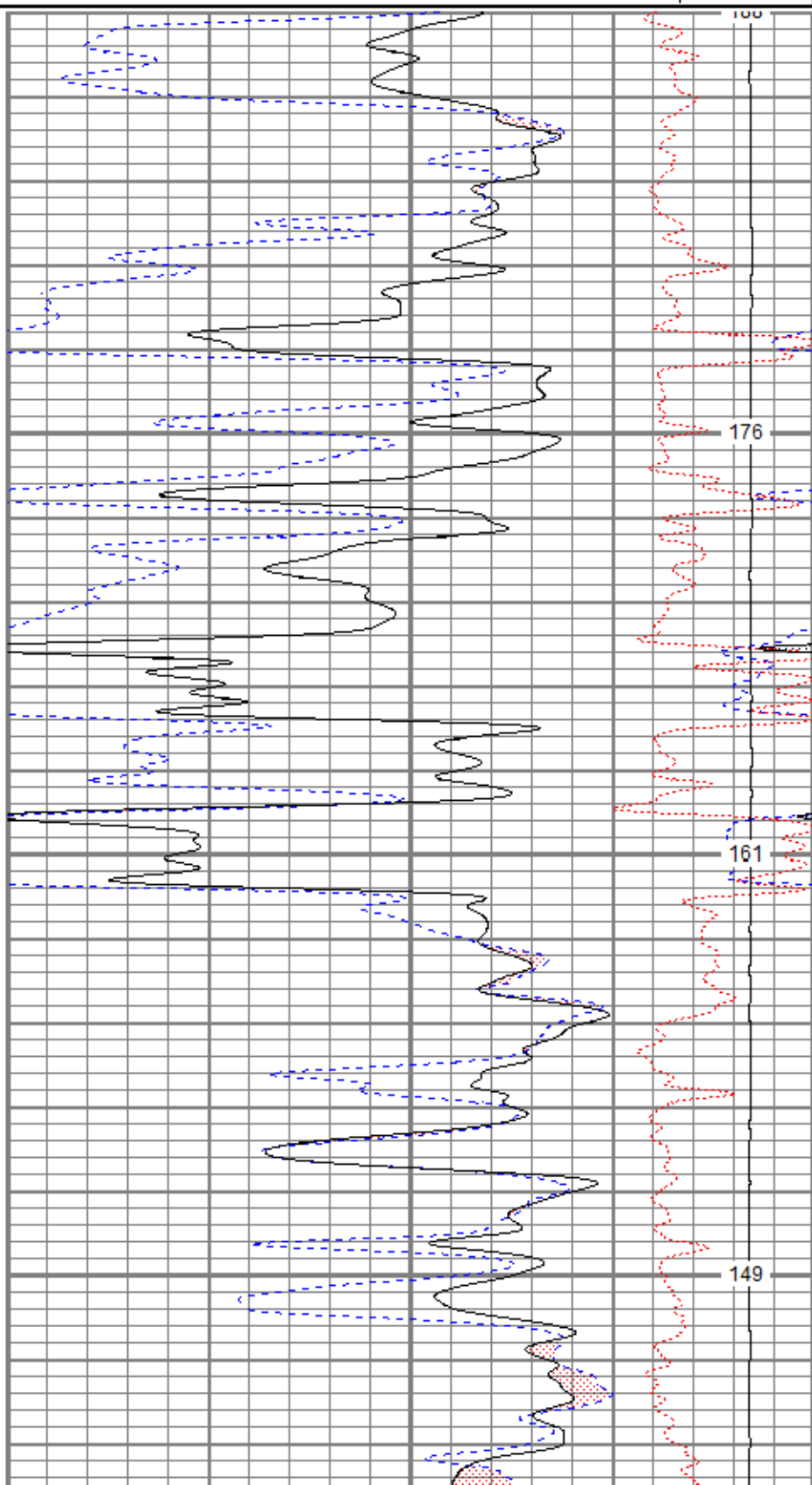
Database File aobaugher3oh.db
 Dataset Pathname pass3.1
 Presentation Format kcdnl
 Dataset Creation Thu May 24 06:02:42 2018
 Charted by Depth in Feet scaled 1:240

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

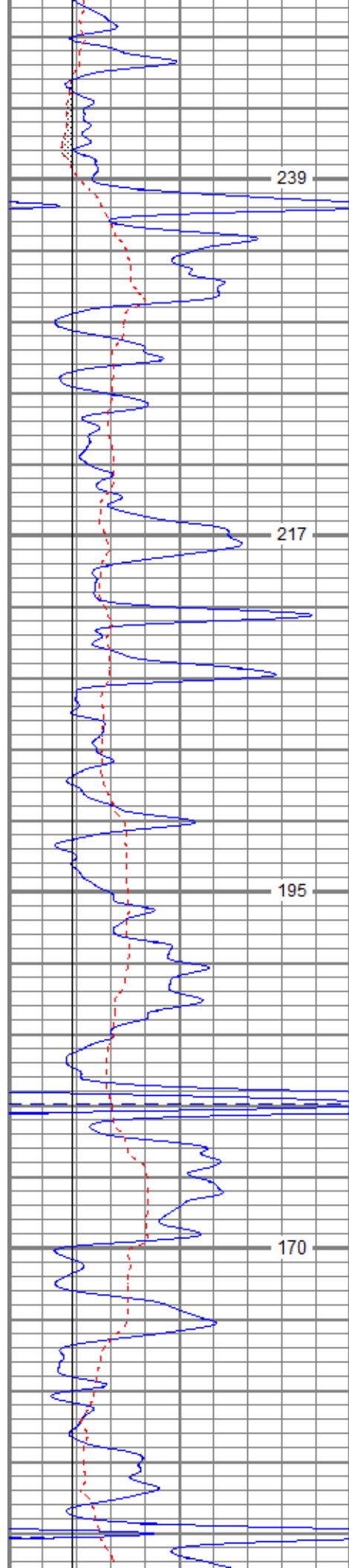
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
-0.25	RHOC (g/cc)	0.25
8000	LTEN (lb)	0
ABHV (ft3)		



3200
3250
3300
3350



100
176
161
149

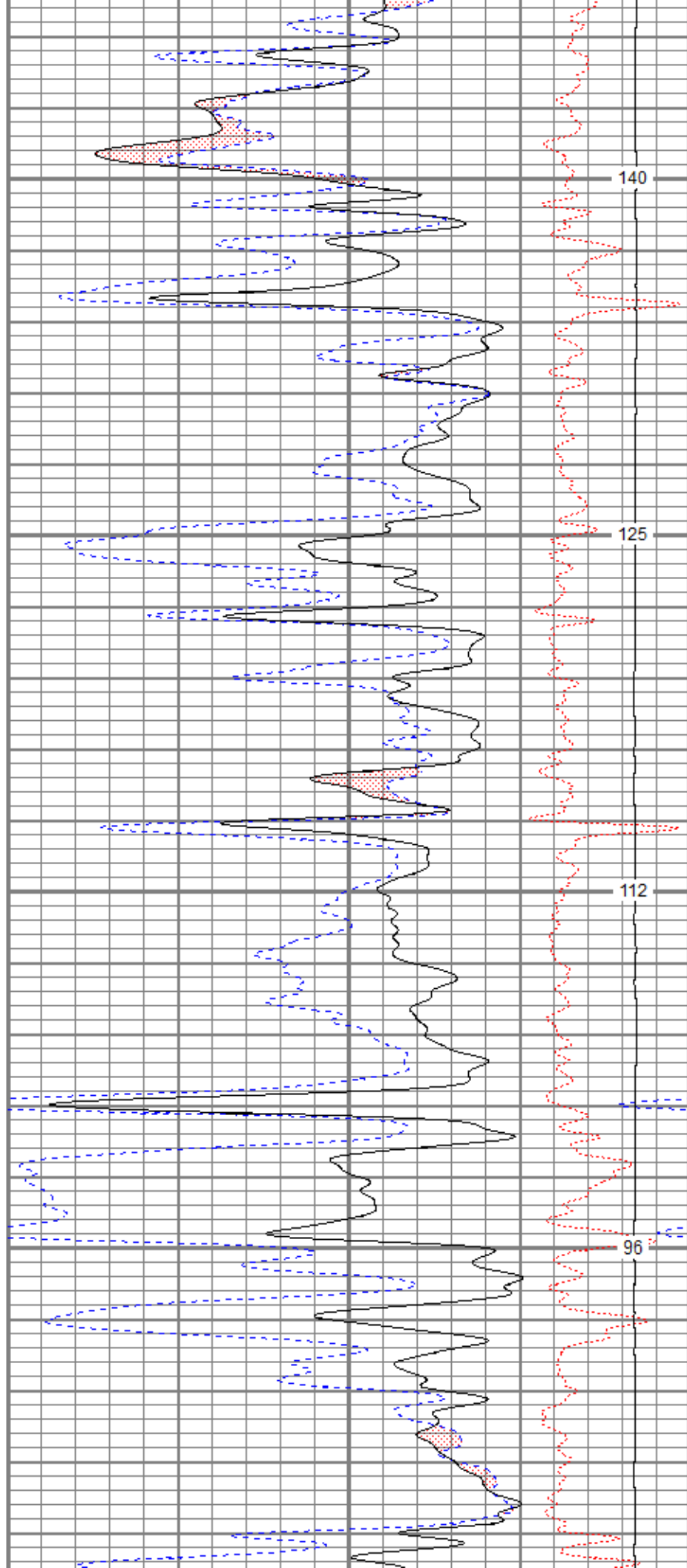


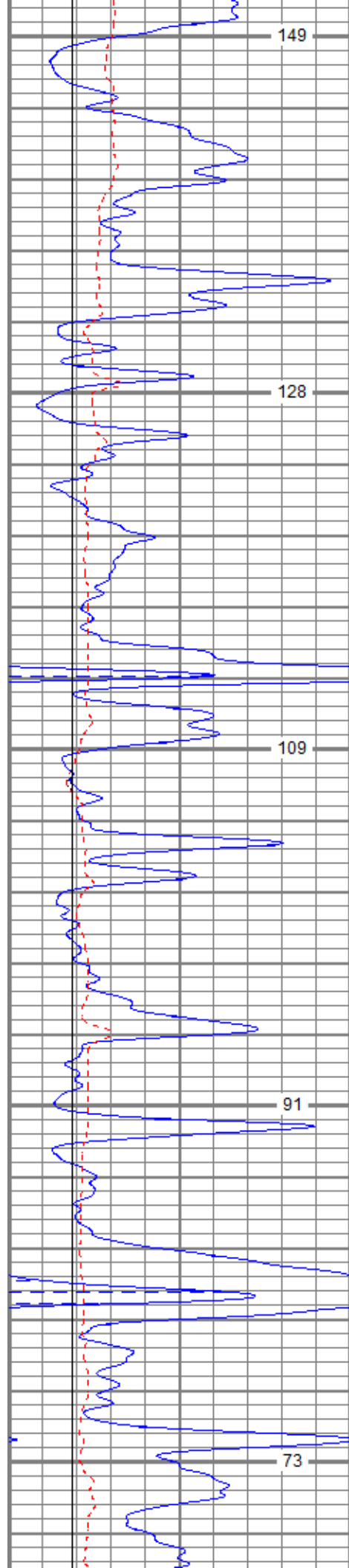
3400

3450

3500

3550





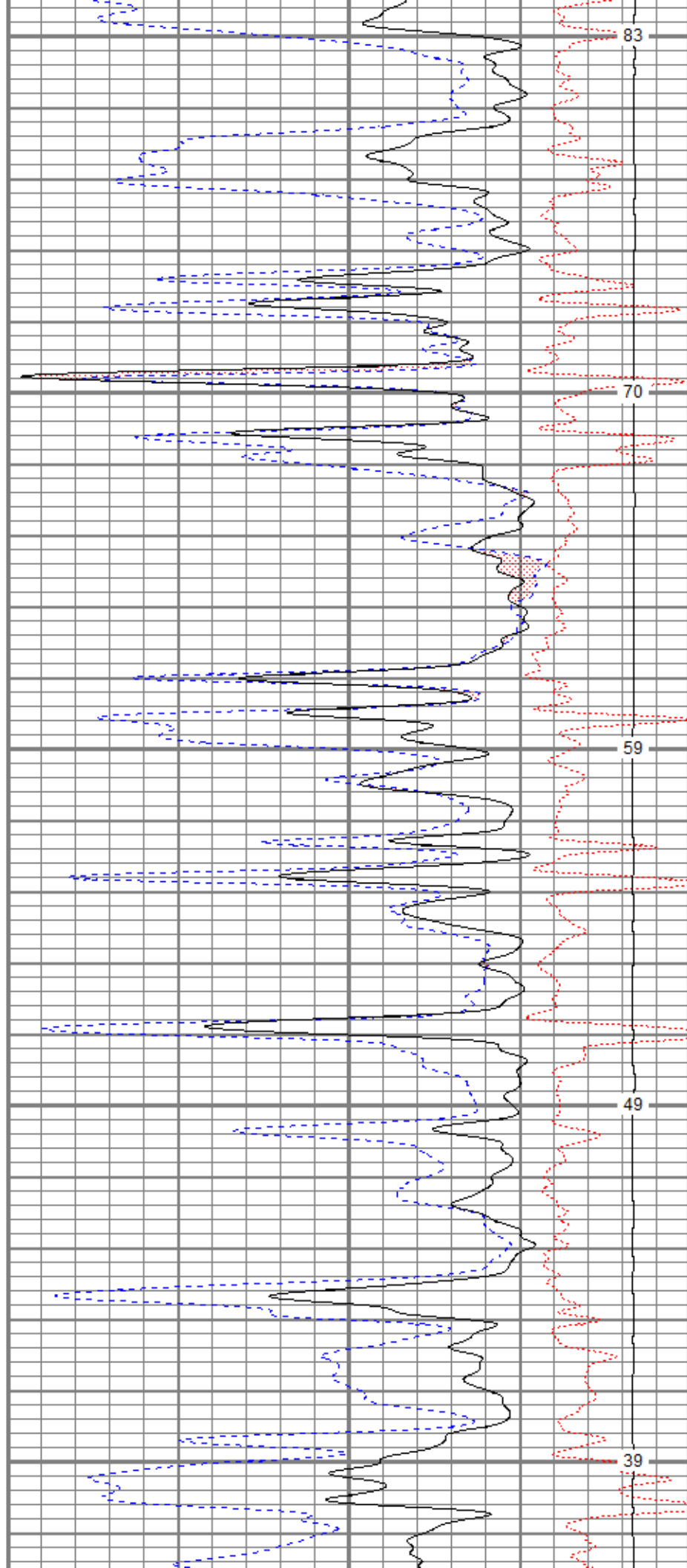
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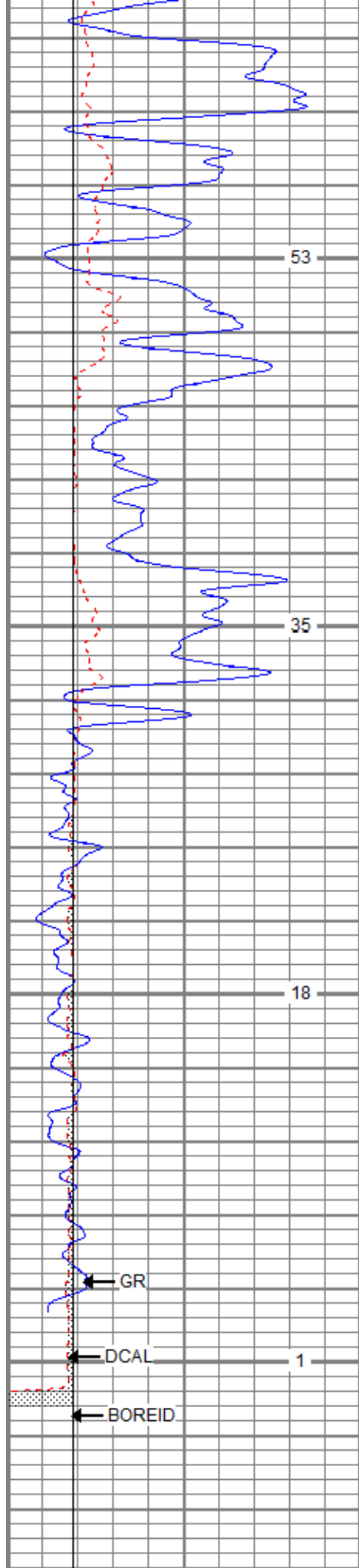
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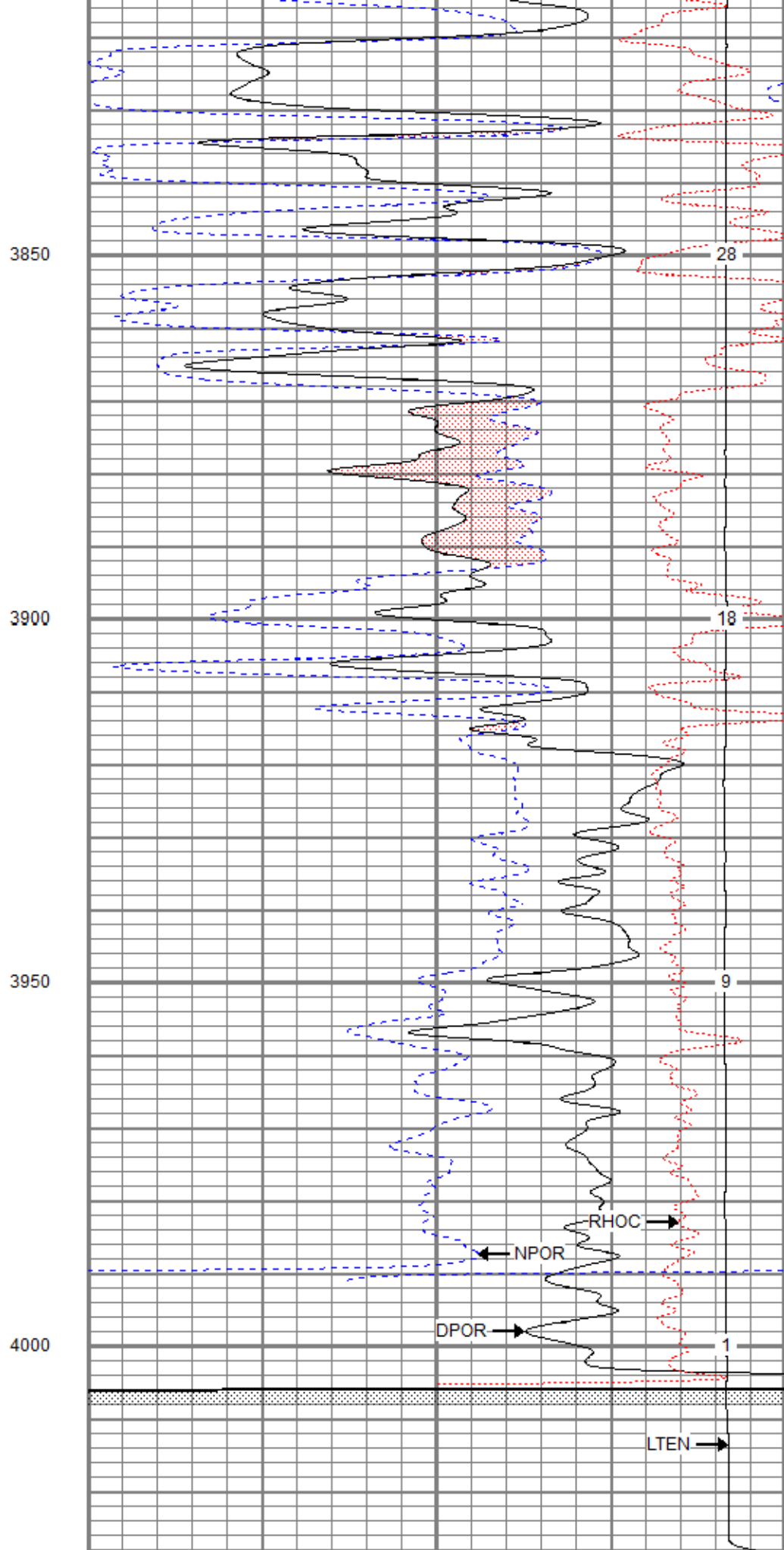
3750

3800





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



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30	DPOR (pu)	-10

6	BOREID (in)	16
6	BOREID (in)	16
	TBHV (ft3)	

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

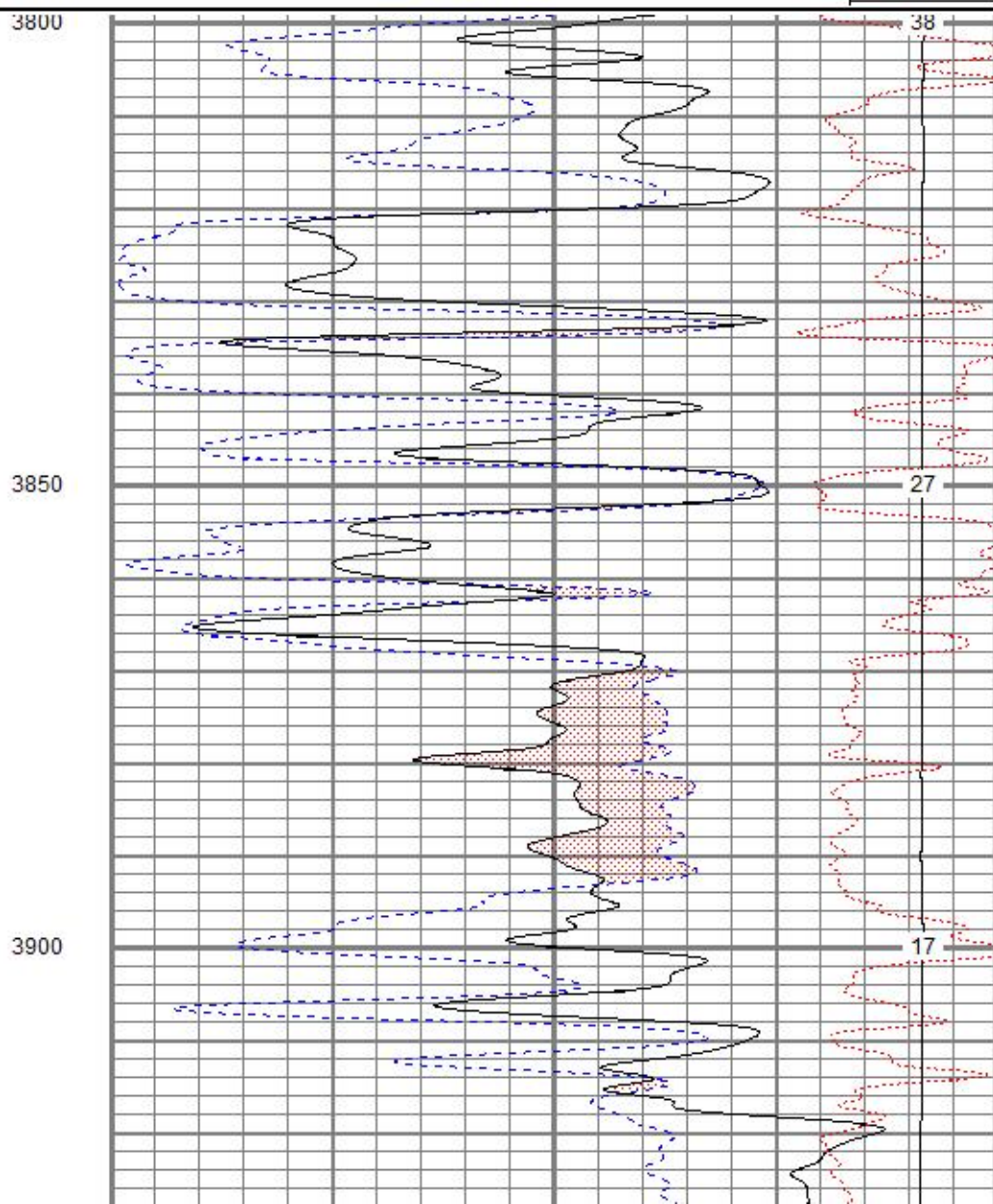
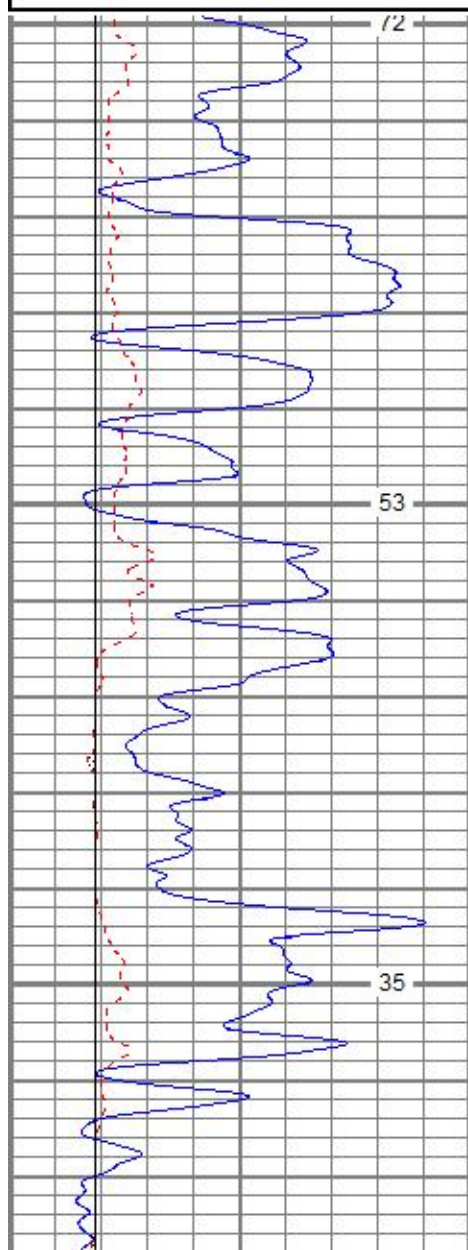


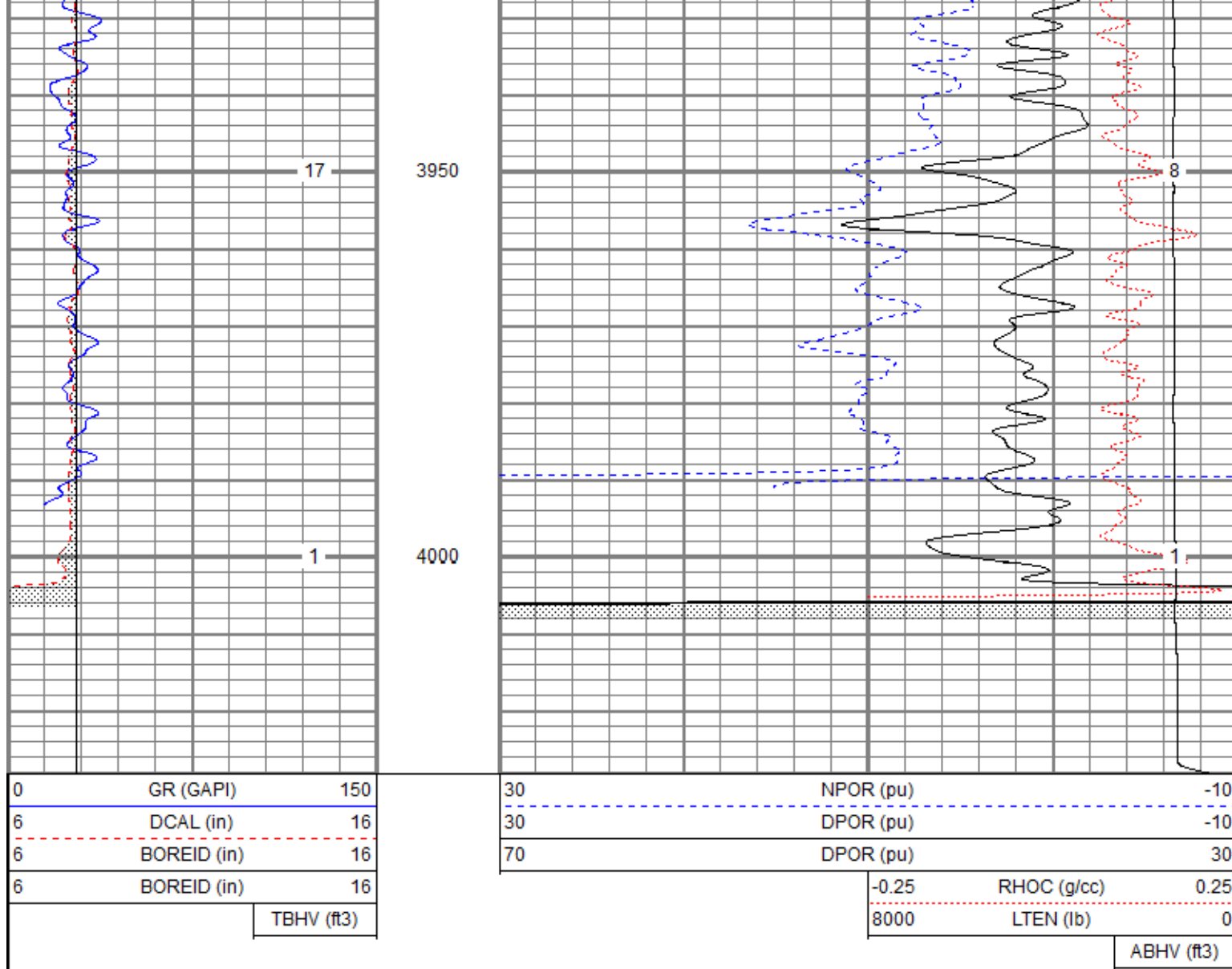
REPEAT SECTION

Database File aobaugher3oh.db
Dataset Pathname pass2.1
Presentation Format kcdnl
Dataset Creation Thu May 24 06:15:34 2018
Charted by Depth in Feet scaled 1:240

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





Calibration Report									
Database File	aobaugher3oh.db								
Dataset Pathname	pass3.1								
Dataset Creation	Thu May 24 06:02:42 2018								
Dual Induction Calibration Report									
Serial-Model:		5375-G							
Surface Cal Performed:		Wed Apr 25 14:41:51 2018							
Downhole Cal Performed:		Wed Apr 25 14:42:25 2018							
After Survey Verification Performed:		Wed Apr 25 14:42:25 2018							
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	-0.003	0.656	V	0.000	350.000	mmho/m	530.599	1.817	
Medium	0.010	0.730	V	0.000	400.000	mmho/m	556.229	-5.819	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	-0.004	0.655	V	0.000	350.000	mmho/m	530.717	2.128	
Medium	0.010	0.729	V	0.000	550.000	mmho/m	765.647	-8.033	
Downhole Calibration									
Readings				References			Results		

Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.534	350.424	mmho/m	-0.311	349.611	mmho/m	0.997	0.222
Medium	0.000	399.531	mmho/m	0.017	399.582	mmho/m	1.000	0.017
Shallow	2.441	0.018	V	500.000	2.000	Ohm-m	180.607	-0.496

After Survey Verification								
Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.534	350.424	mmho/m	0.997	0.222
Medium	0.000	0.000	mmho/m	0.000	399.531	mmho/m	1.000	0.017
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Compensated Density Calibration Report								
Serial-Model:			2501DHT-DHT					
Source / Verifier:			csv-j12 /					
Master Calibration Performed:			Sun Apr 08 16:08:05 2018					
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	7.50	in	8572.55			
Large Ring	14.00	in	11285.70			

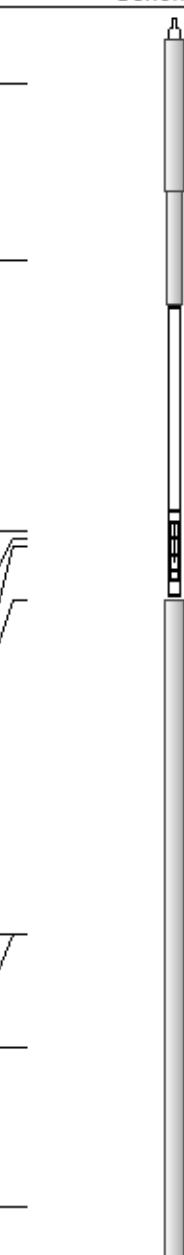
Before Survey Verification						
Target			Measured			
		g/cc			g/cc	
		g/cc			g/cc	
		g/cc			g/cc	

After Survey Verification						
Target			Measured			
		g/cc			g/cc	
		g/cc			g/cc	
		g/cc			g/cc	

Gamma Ray Calibration Report						
Serial Number:			2000			
Tool Model:			P2000			
Performed:			Sun May 06 10:04:13 2018			
Calibrator Value:			1.0	GAPI		
Background Reading:			0.0	cps		
Calibrator Reading:			1.0	cps		
Sensitivity:			0.7000	GAPI/cps		

Neutron Calibration Report						
Serial Number:			5108			
Tool Model:			PROBE			
Performed:			Sun Feb 19 03:21:57 2017			

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	38.37		CHD-None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.57		GR-P2000 (2000)	3.67	3.25	40.00
LSD	23.78		CDL-DHT (2501DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
DCAL	23.49					
SSD	23.24					
HEADVOLT	21.47					
SP	10.60	DIL-G (5375) Gearhart	21.47	4.00	345.00	
CILD	10.60					
CILM	6.89					
RLL3	1.70					
Dataset: aobaugher3oh.db: field/well/run1/pass3.1 Total length: 40.49 ft Total weight: 676.00 lb O.D.: 4.00 in						