



COMPENSATED DENSITY NEUTRON LOG

Company	SMITH OIL OPERATIONS	Company	SMITH OIL OPERATIONS
Well	SARA #1	Well	SARA #1
Field	SNIDER SOUTH	Field	SNIDER SOUTH
County	STAFFORD	County	STAFFORD
State	KS	State	KS
Location:	API # : 15-185-24146 2310' FSL & 2310' FWL	Other Services DIL ML	
Permanent Datum	SEC 15 TWP 21S RGE 11W	Elevation	
Log Measured From	Ground Level	Elevation	1738
Drilling Measured From	KB 8' AGL	Elevation	K.B. 1746 D.F. 1744 G.L. 1738
Date	9/14/2023		
Run Number	One		
Depth Driller	3391		
Depth Logger	3390		
Bottom Logged Interval	3370		
Top Log Interval	2300		
Casing Driller	8 5/8" @ 253'		
Casing Logger	253		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.4/51		
pH / Fluid Loss	11.0/8.8		
Source of Sample	Pit		
Rm @ Meas. Temp	1.5@80degf		
Rmf @ Meas. Temp	1.13@80degf		
Rmc @ Meas. Temp	1.8@80degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.1@105degf		
Time Circulation Stopped	10:00 A.M.		
Time Logger on Bottom	1:00 P.M.		
Maximum Recorded Temperature	105degf		
Equipment Number	T605		
Location	Hays, KS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	JOSH AUSTIN		
	BILL CHEW		

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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

SOUTH OUT OF GREAT BEND ON HW 281, EAST ON NE 190TH ST FOR 12 MILES, SOUTH INTO.

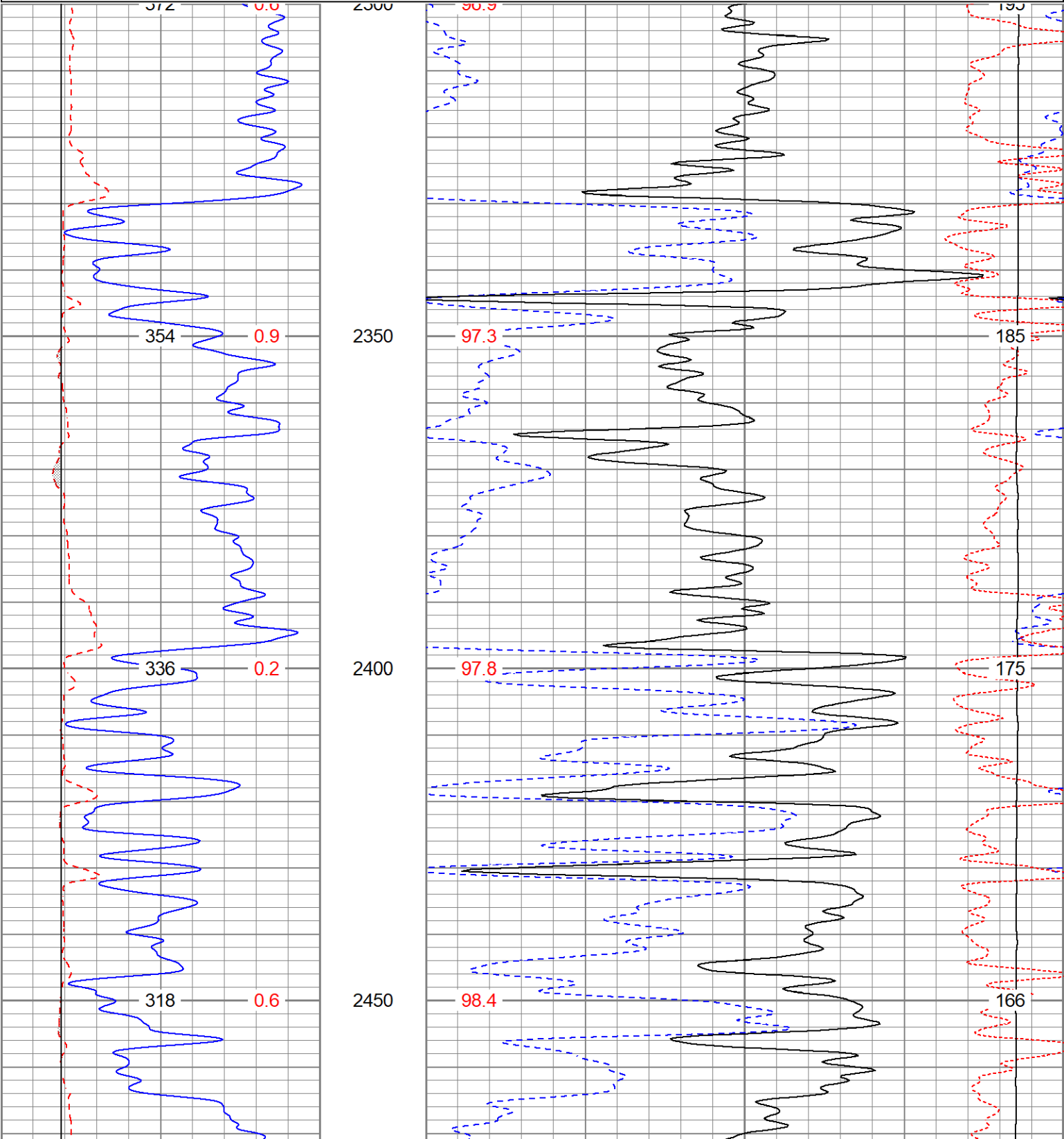
Thank You for using Gemini Wireline LLC
785-625-1182

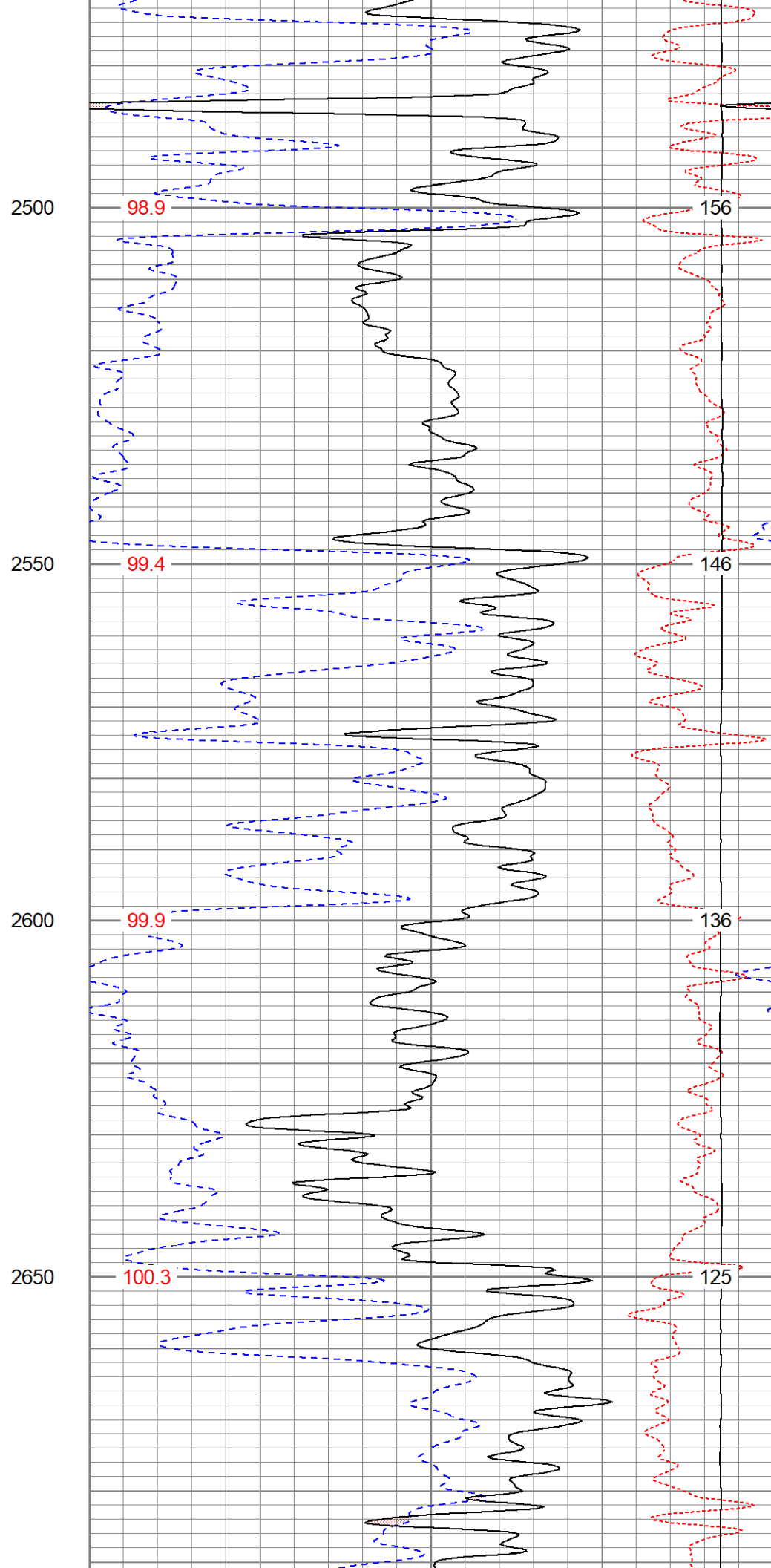
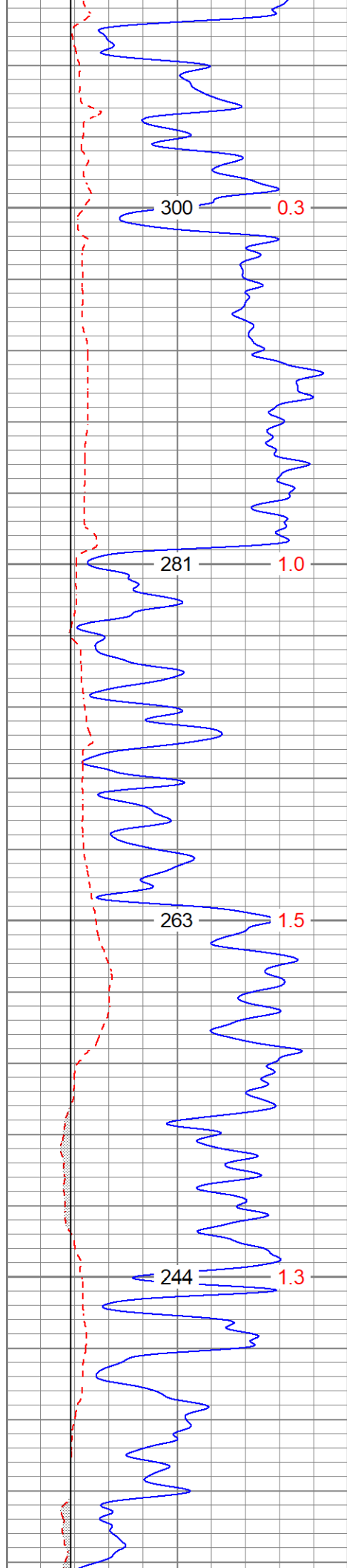


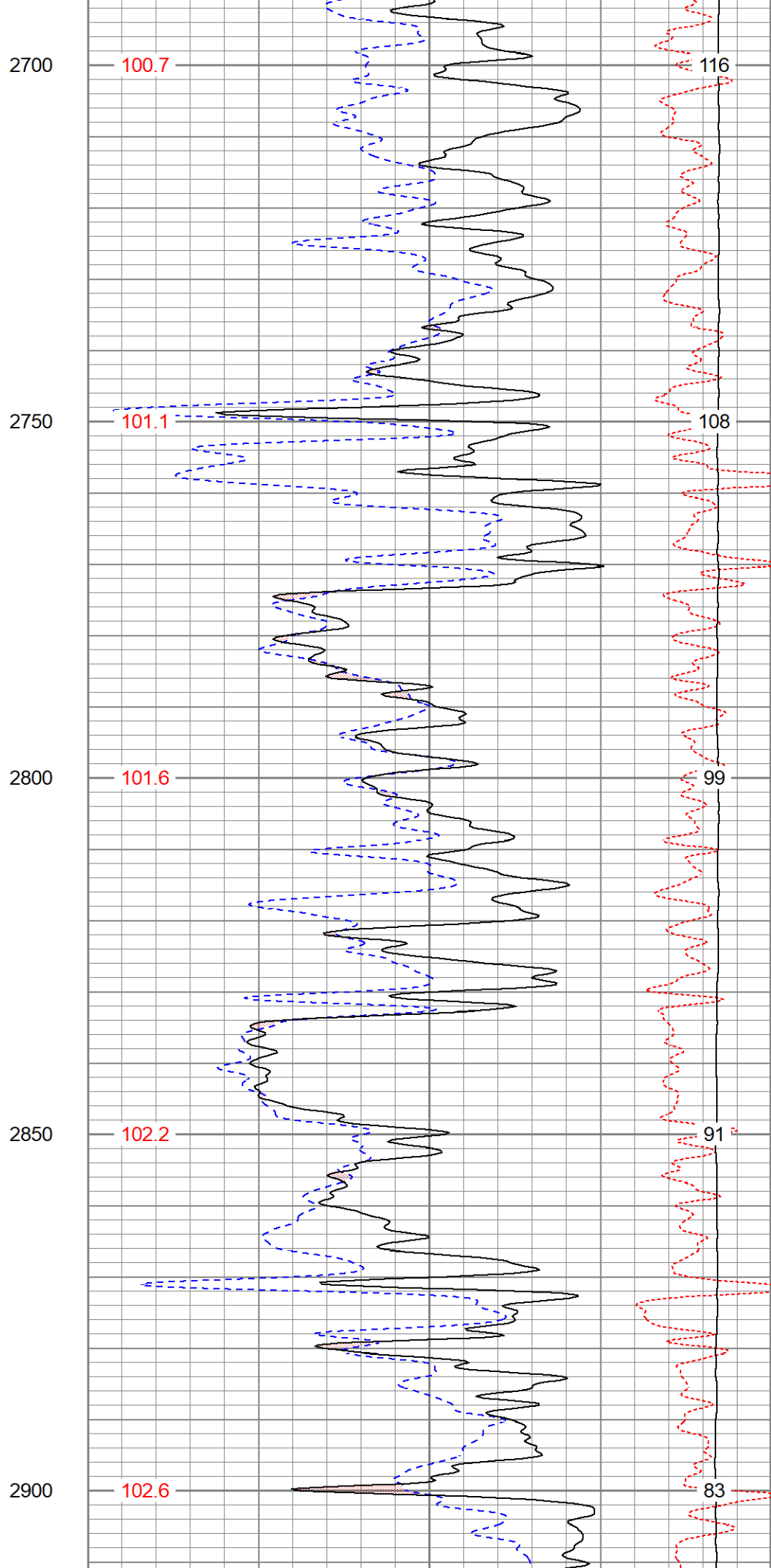
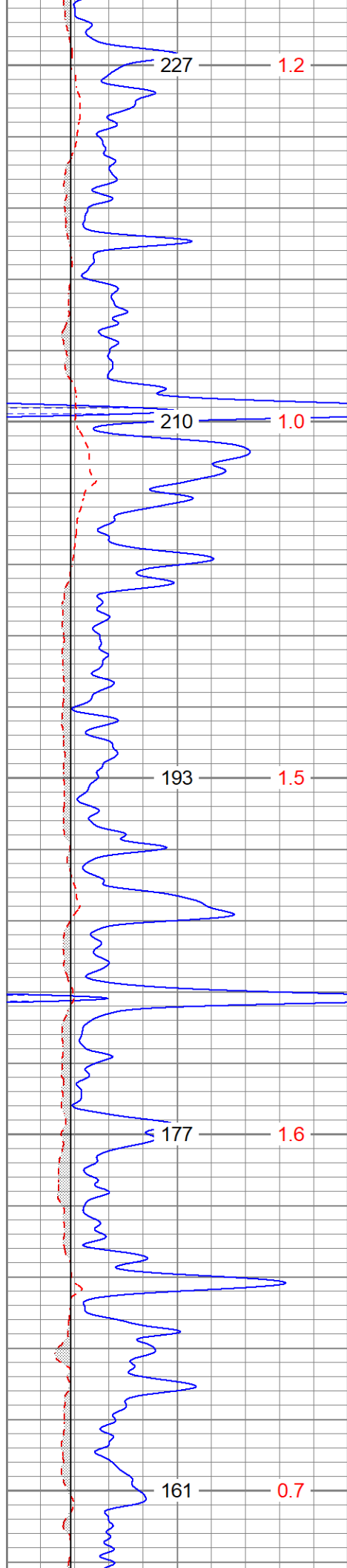
MAIN PASS

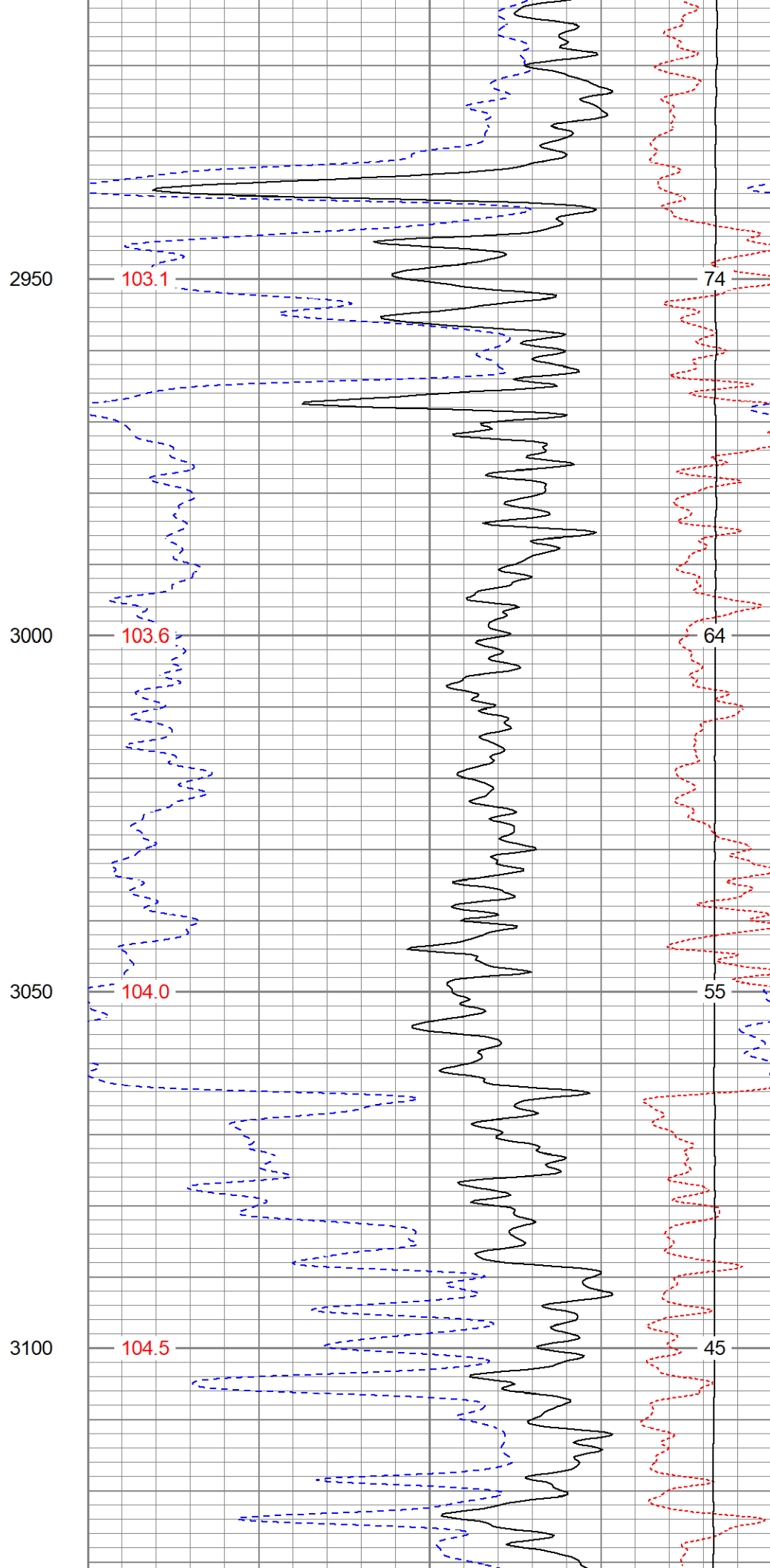
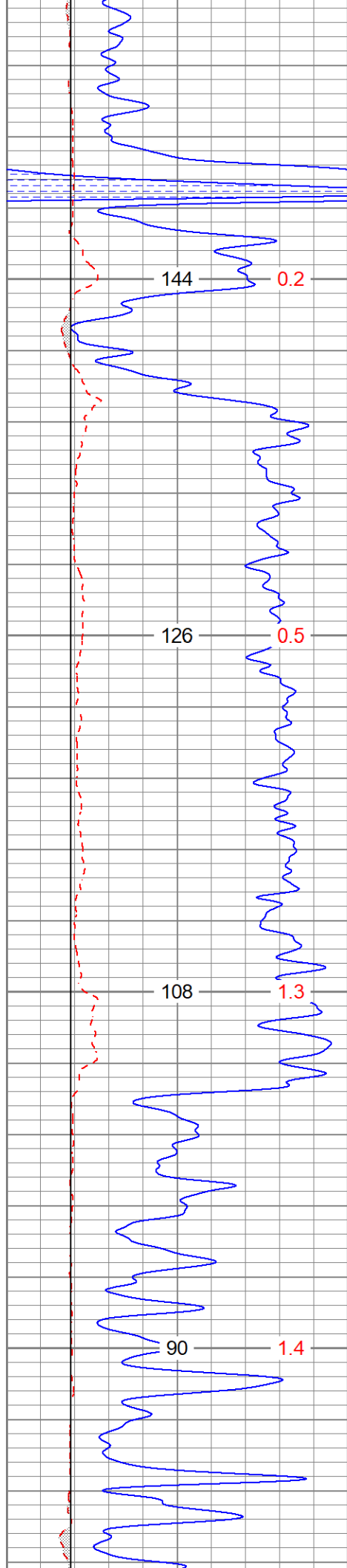
Database File	sosara#1oh.db	
Dataset Pathname	pass6	
Presentation Format	digital_kcdnl	
Dataset Creation	Thu Sep 14 13:17:44 2023	
Charted by	Depth in Feet scaled 1:240	

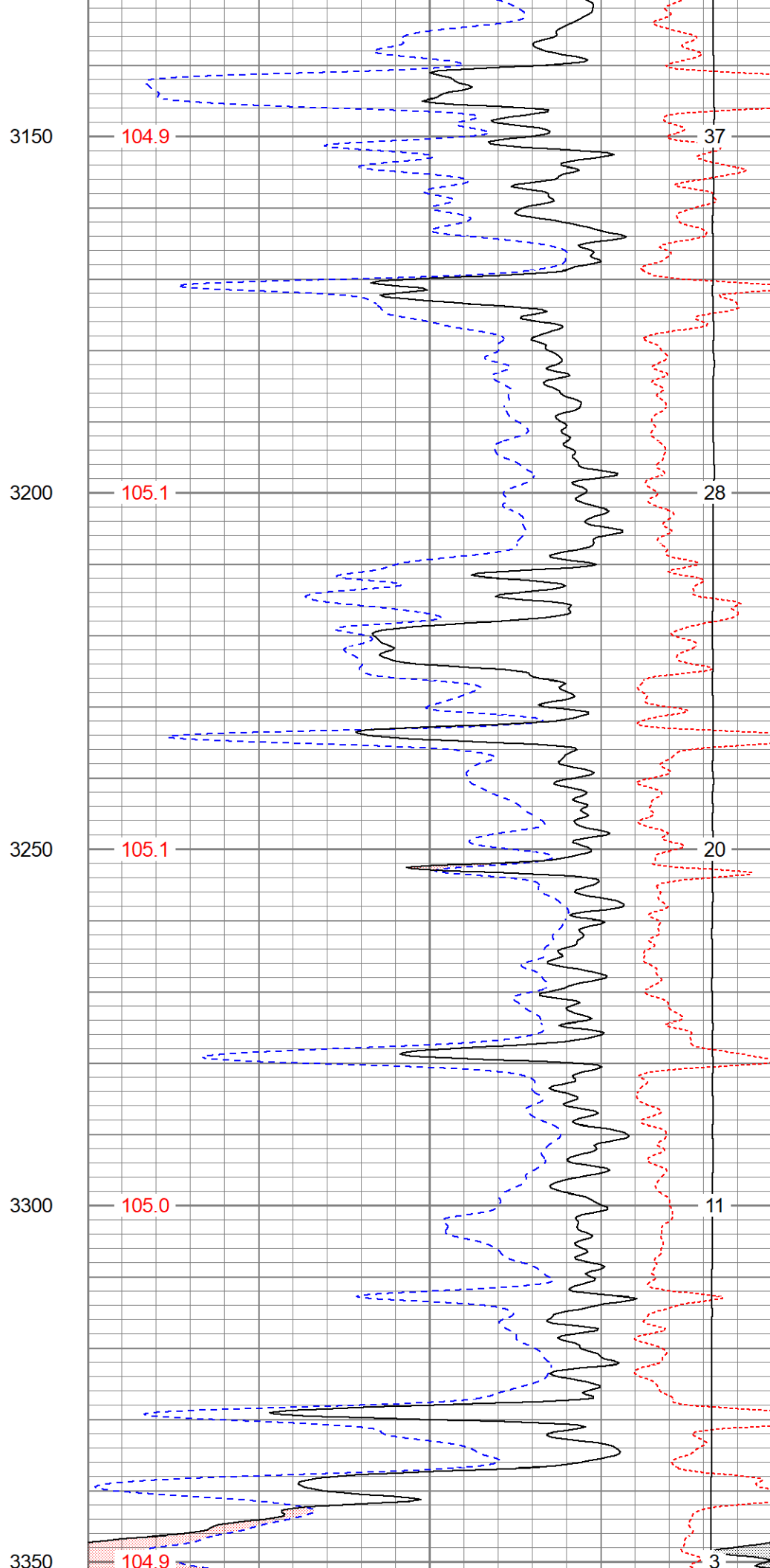
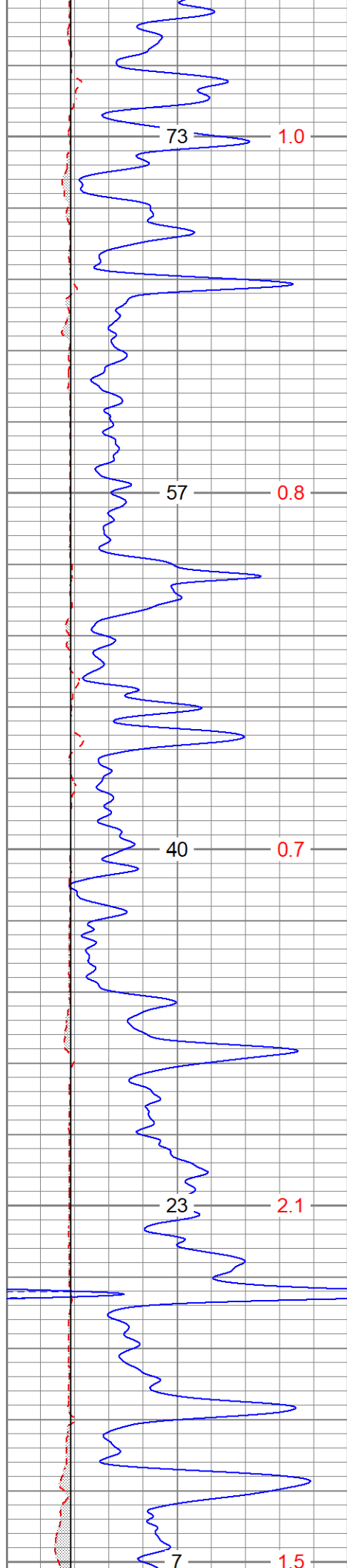
0	GR (GAPI)	150	30	NPOR (pu)	-10
6	DCAL (in)	16	30	DPOR (pu)	-10
6	BOREID (in)	16	70	DPOR (pu)	30
	TBHV (ft3)	DEVI (deg)	TEMP (degF)	-0.25	RHOC (g/cc) 0.25
				8000	LTEN (lb) 0
					ABHV (ft3)

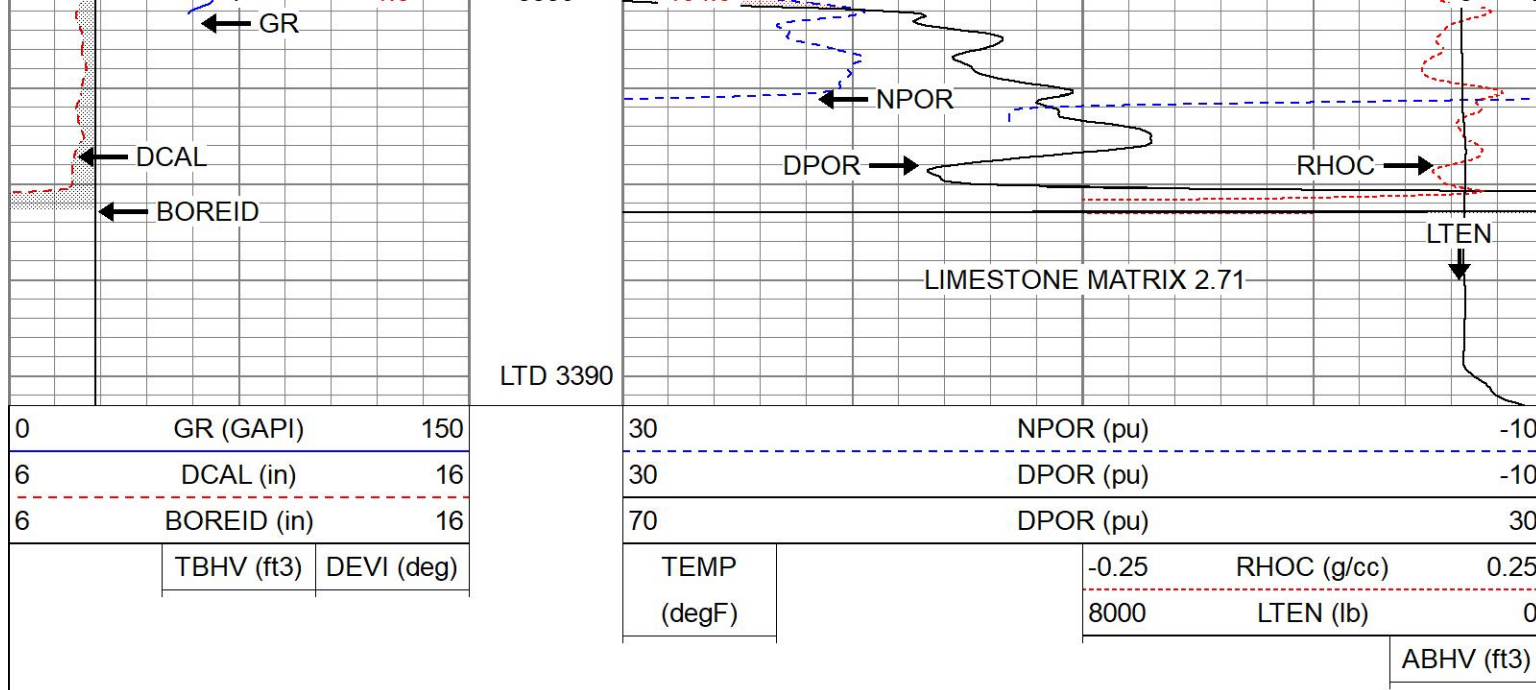






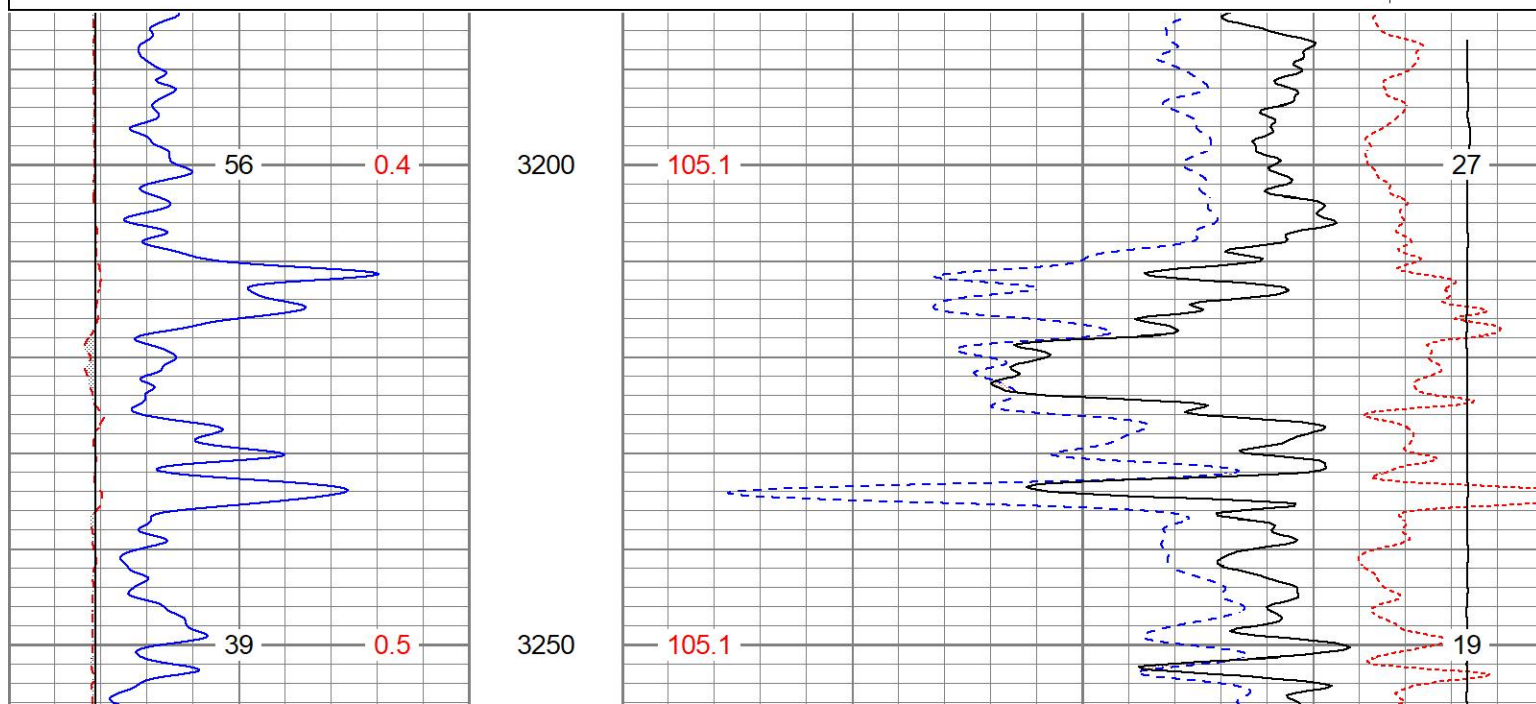
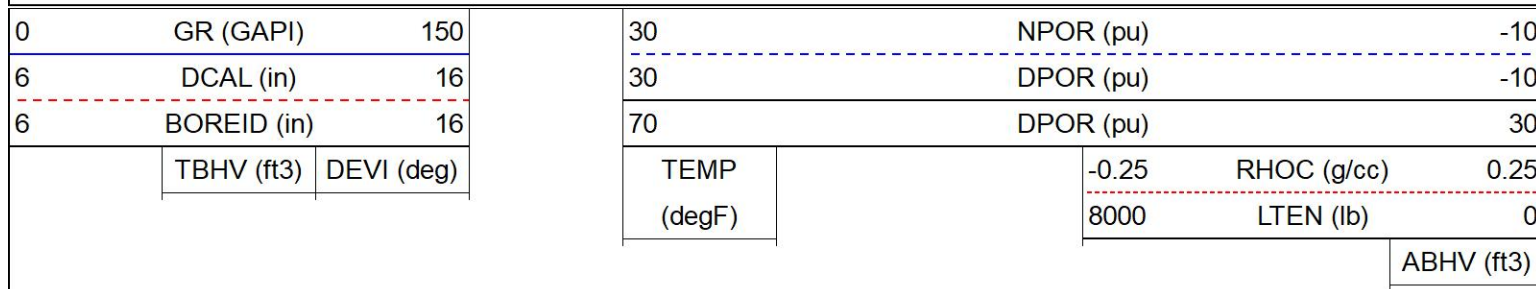


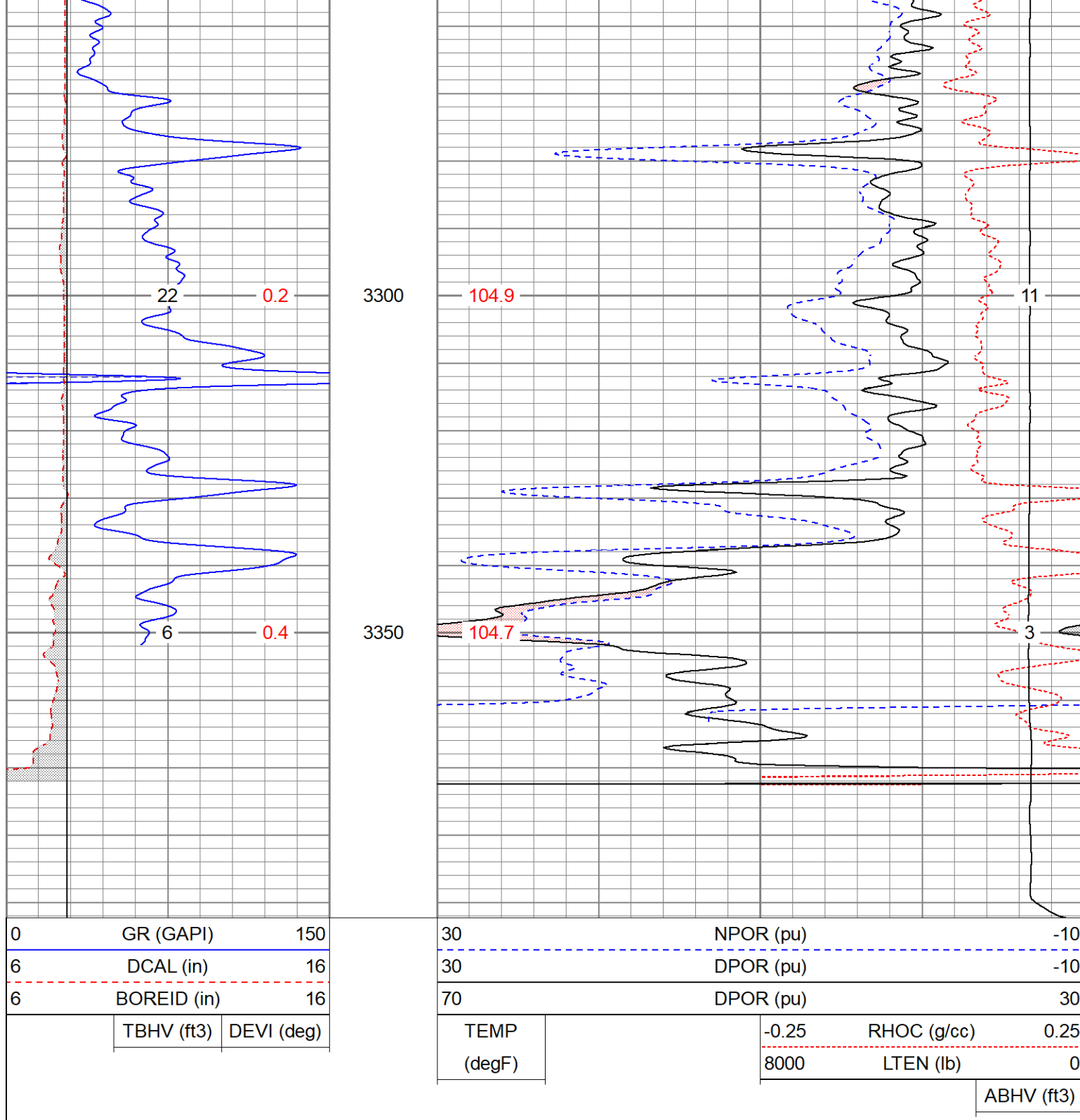




REPEAT SECTION

Database File sosara#1oh.db
 Dataset Pathname pass5.1
 Presentation Format digital_kcdnl
 Dataset Creation Thu Sep 14 14:29:48 2023
 Charted by Depth in Feet scaled 1:240





Calibration Report		
Database File	sosara#1oh.db	
Dataset Pathname	pass5.1	
Dataset Creation	Thu Sep 14 14:29:48 2023	
Dual Induction Calibration Report		
Serial-Model:	1842-ADM	
Surface Cal Performed:	Mon Sep 20 22:00:42 2021	
Downhole Cal Performed:	Thu Sep 14 13:06:48 2023	
After Survey Verification Performed:	Thu Sep 14 13:02:29 2023	
Surface Calibration		
Readings	References	Results

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.475	-9.896
Medium	0.003	0.769	V	0.000	400.000	mmho/m	522.607	-1.745
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.240	-9.549
Medium	0.003	0.768	V	0.000	550.000	mmho/m	718.637	-2.088

Downhole Calibration								
Readings				References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.210	349.810	mmho/m	-0.343	349.810	mmho/m	1.000	-0.133
Medium	6.952	396.760	mmho/m	-0.226	399.745	mmho/m	1.026	-7.360
Shallow	2.495	0.026	V	500.000	2.000	Ohm-m	201.711	-3.319

After Survey Verification								
Readings				Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	32.030	5.643	mmho/m	1.000	-0.133
Medium	0.000	0.000	mmho/m	6.952	396.760	mmho/m	1.026	-7.360
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Admyr Lithodensity Calibration Report

Serial-Model:	1C-C
Source:	Blue2
Master Calibration Performed:	Tue Aug 30 10:20:37 2022

Master Calibration					
	Density		Far Detector	Near Detector	
Magnesium	1.670	g/cc	6362.49	3546.71	cps
Aluminium	2.640	g/cc	1733.54	2362.69	cps
Aluminium+Sleeve	2.617	g/cc	1657.01	2197.69	cps
Spine Angle = 72.65			Density/Spine Ratio = 0.712		
	PE		NLITH	NHARD	
Magnesium	2.000	barn	2520.00	1620.00	cps
Aluminium	3.000	barn	1926.00	1699.00	cps
Aluminium+Sleeve	5.000	barn	915.00	1230.00	cps
M = 0.370			B = -0.079	R = 0.999	
	Size		Reading		
Small Ring	8.00	in	8.61	V	
Large Ring	14.30	in	12.40	V	

Neutron Calibration Report

Serial Number:	AD5139
Tool Model:	ADMY5139
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:	Fri Apr 19 12:15:04 2019	
	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:	Wed May 5 19:20:48 2021	
	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:	(Not Performed)	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps