



TRIPLE COMBO LOG

Company NEC OPERATING - KANSAS, LLC.

Well AMELIA #1

Field GAGELMAN

County TREGO State KANSAS

Location: API # : 15-195-23146-0000
330' FSL & 330' FWL
SW - SW - SW

Other Services
CDL/CNL/PE
DIL/MEL

SEC 14 TWP 11S RGE 22W

Permanent Datum GROUND LEVEL Elevation 2279
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2284
D.F. 2282
G.L. 2279

Date 8/9/22

Run Number ONE

Depth Driller 4100

Depth Logger 4097

Bottom Logged Interval 4095

Top Log Interval 3200

Casing Driller 8 5/8" @ 224'

Casing Logger 224

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.1/52

pH / Fluid Loss 10.0/6.0

Source of Sample FLOWLINE

Rm @ Meas. Temp .750 @ 96F

Rmf @ Meas. Temp .563 @ 96F

Rmc @ Meas. Temp .900 @ 96F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .615 @ 117F

Time Circulation Stopped 2.5 HOURS

Time Logger on Bottom 6:00 P.M.

Maximum Recorded Temperature 117F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By PAT DEENIHAN

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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.

15-195-23146-0000

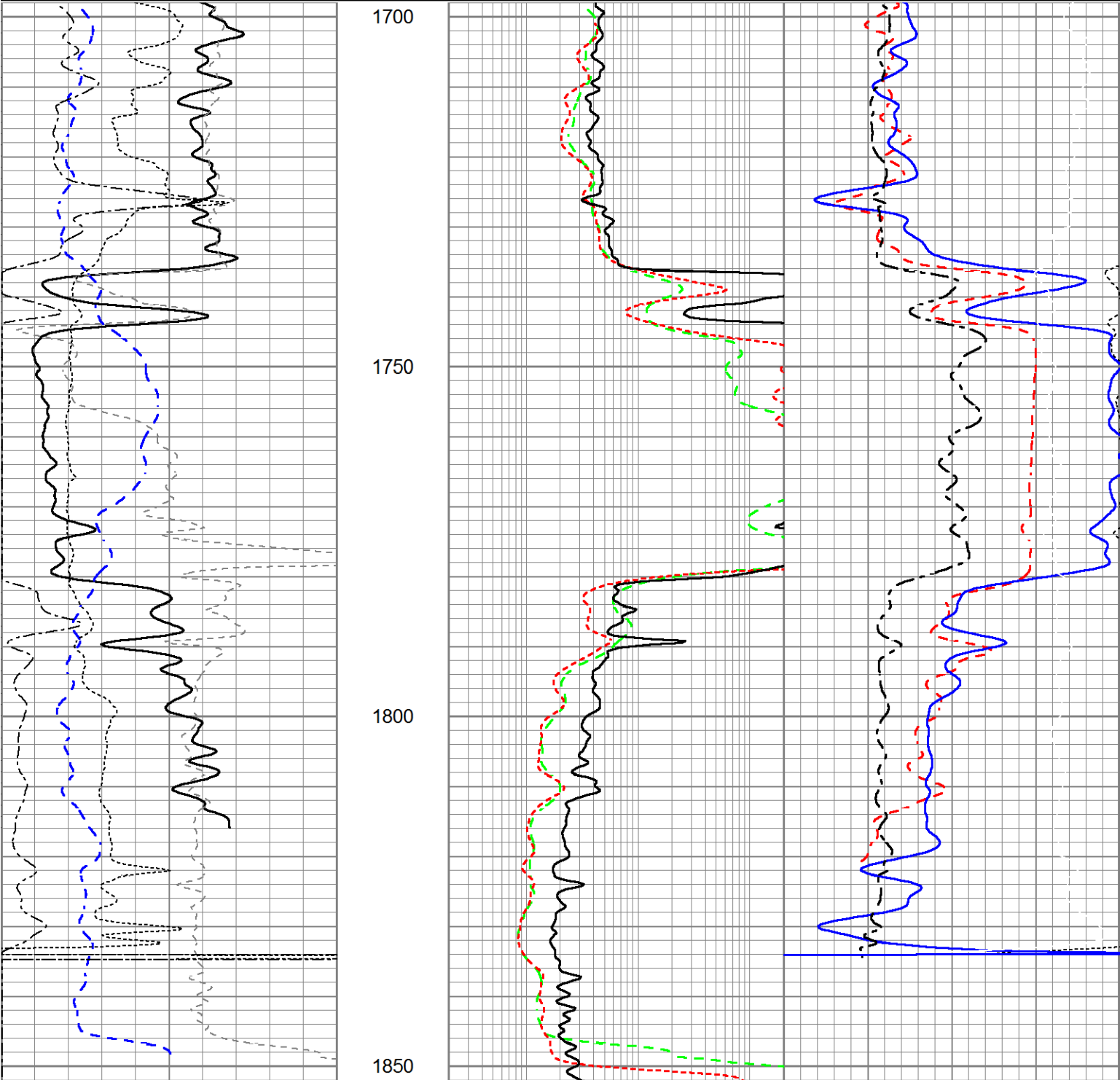
Comments

THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
OGALLAH, KS. & I-70 EXIT, 7 1/2 N., E. INTO

ANHYDRITE REPEAT



Database File		6901pe.db							
Dataset Pathname		pass3.2A							
Presentation Format		obrcomp							
Dataset Creation		Tue Aug 09 18:23:06 2022							
Charted by		Depth in Feet scaled 1:240							
0	Gamma Ray (GAPI)	150	TBHV (ft3)	0.2	Deep Resistivity (Ohm-m)	200	45	CN Porosity (pu)	-15
-100	SP (mV)	100	ABHV (ft3)	0.2	Medium Resistivity (Ohm-m)	200	45	Density Porosity (pu)	-15
-200	RxoRt	100		0.2	Shallow Resistivity (Ohm-m)	200	0	PE	10
6	DCAL (in)	16						RHOC	
6	MELCAL (Ohm-m)	16						-0.25 (g/cc)	0.25
0	RWA (Ohm-m)	1							



0	Gamma Ray (GAPI)	150	TBHV (ft3)	0.2	Deep Resistivity (Ohm-m)	200	45	CN Porosity (pu)	-15
-100	SP (mV)	100	ABHV (ft3)	0.2	Medium Resistivity (Ohm-m)	200	45	Density Porosity (pu)	-15
-200	RxoRt	100		0.2	Shallow Resistivity (Ohm-m)	200	0	PE	10
6	DCAL (in)	16						RHOC	

0	DCAL (in)	16
6	MELCAL (Ohm-m)	16
0	RWA (Ohm-m)	1

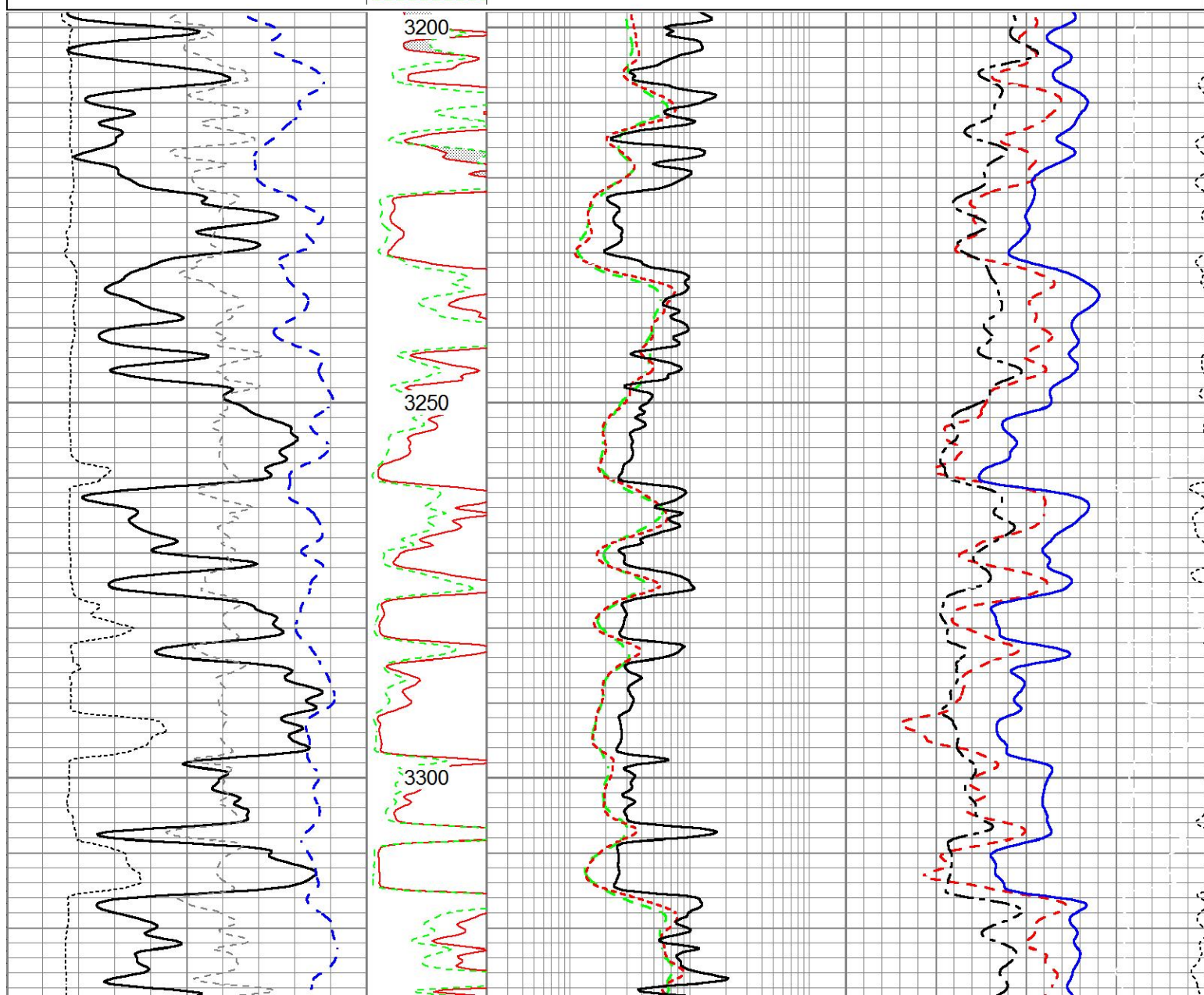
RHOC
-0.25 (g/cc) 0.25

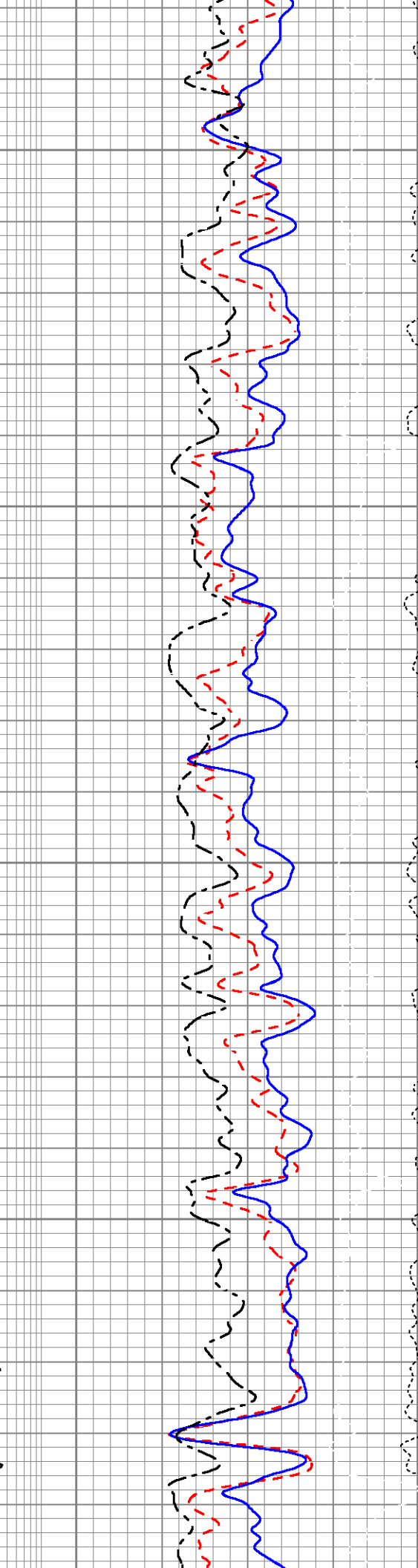
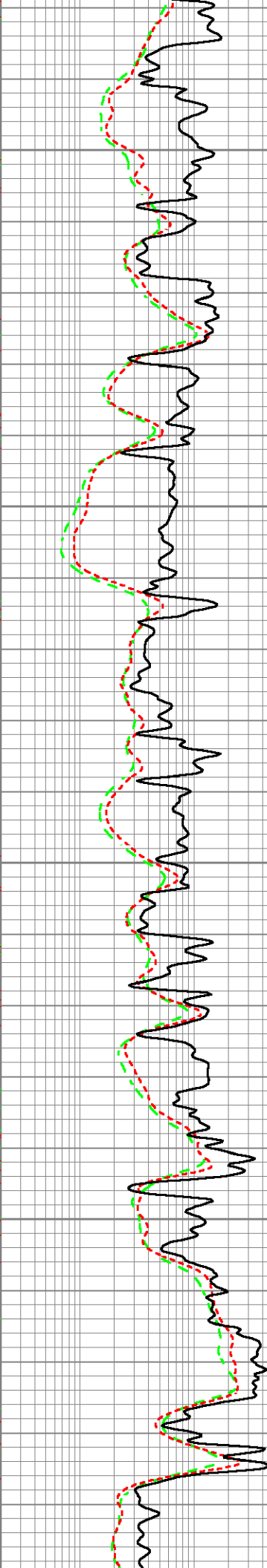
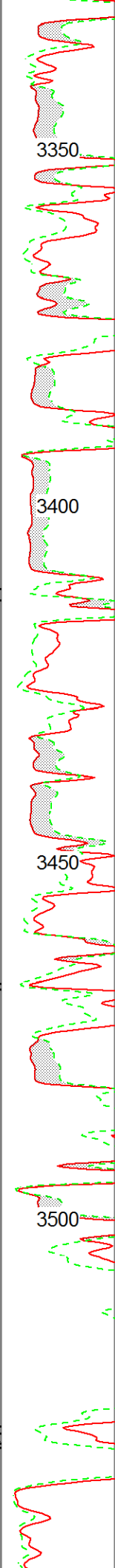
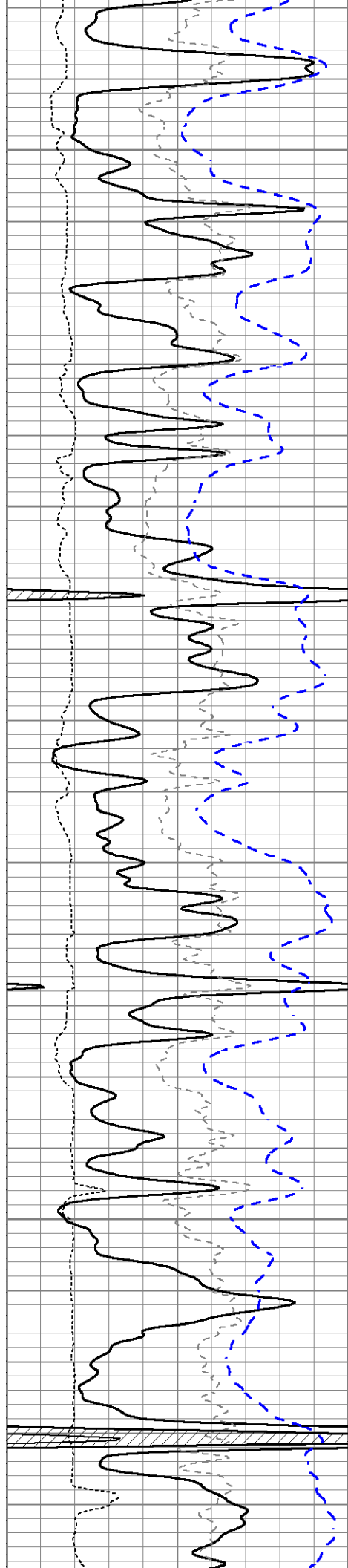


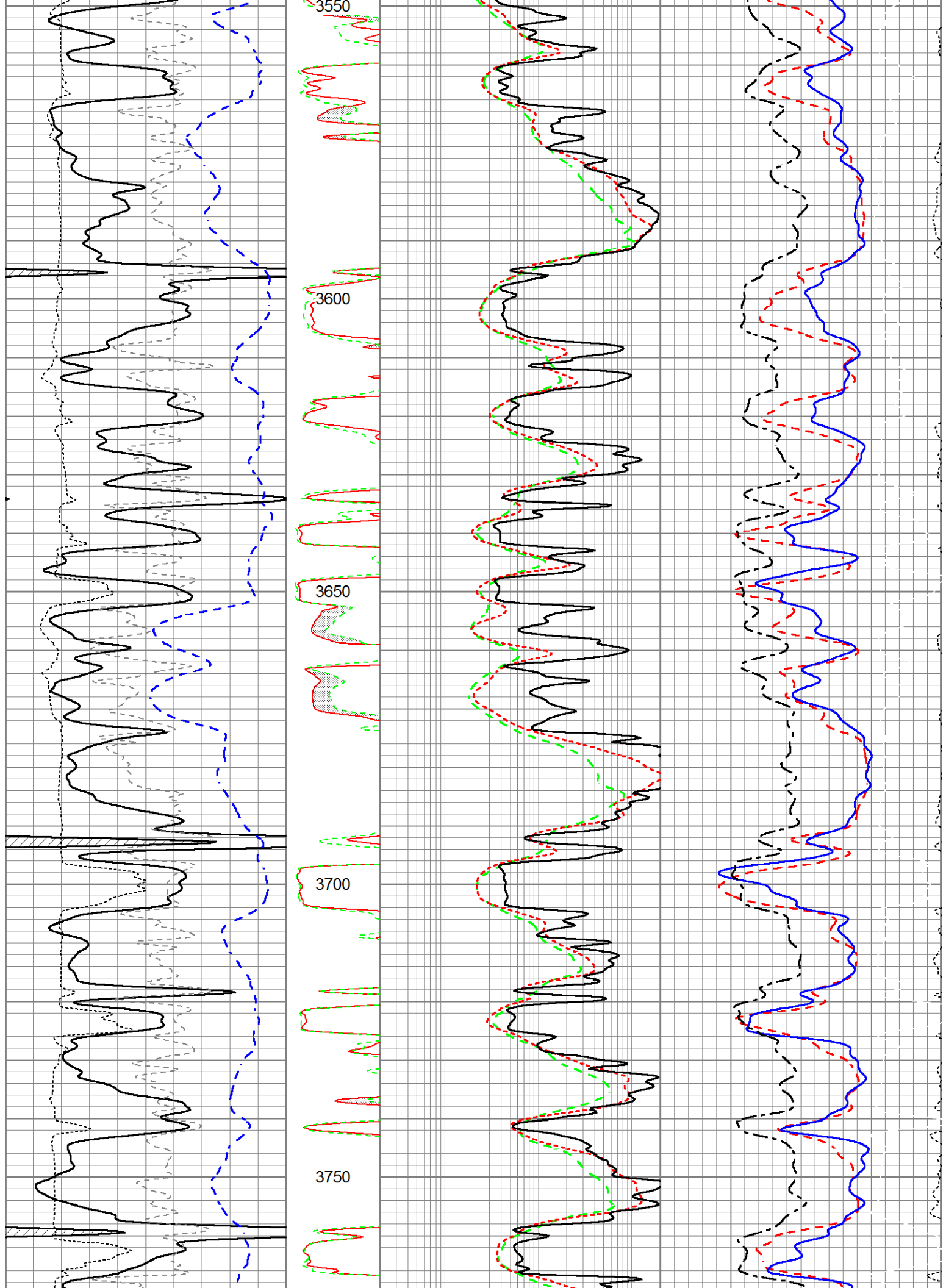
MAIN SECTION

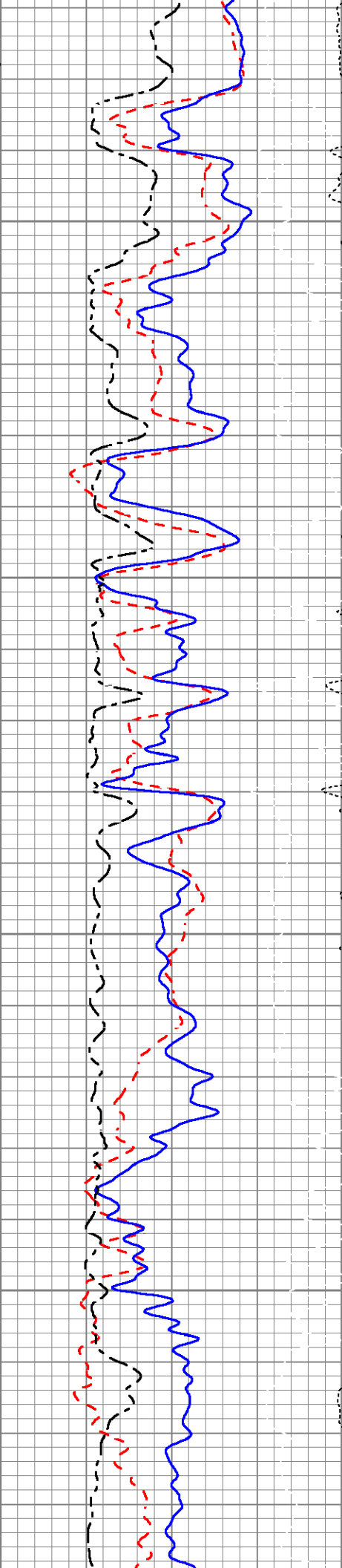
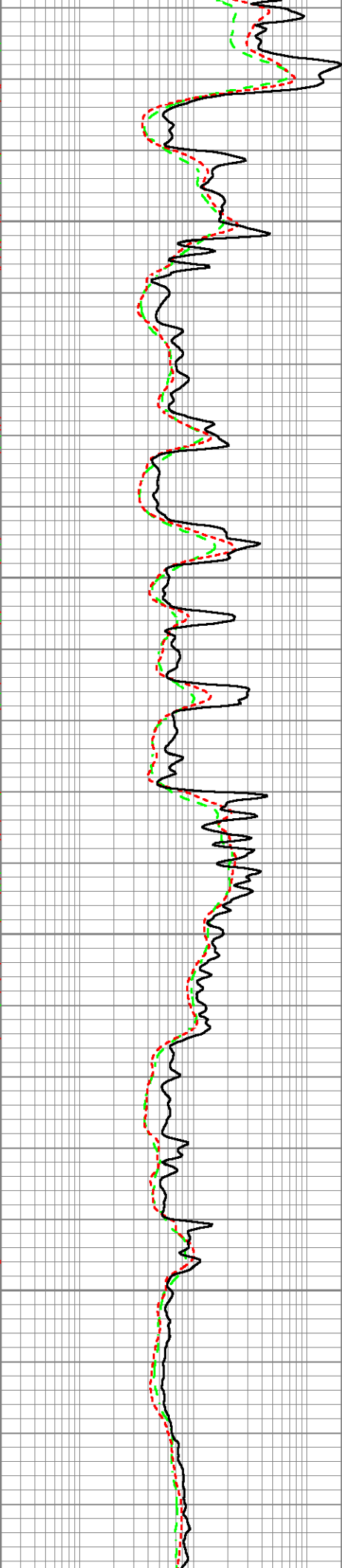
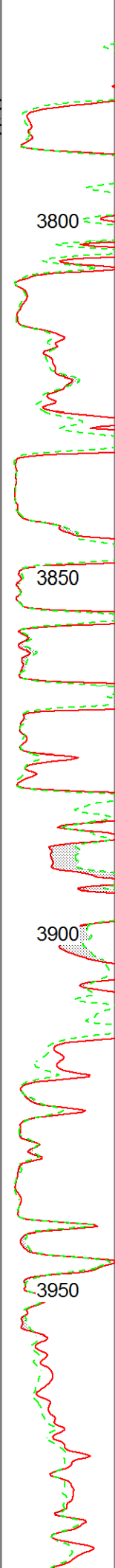
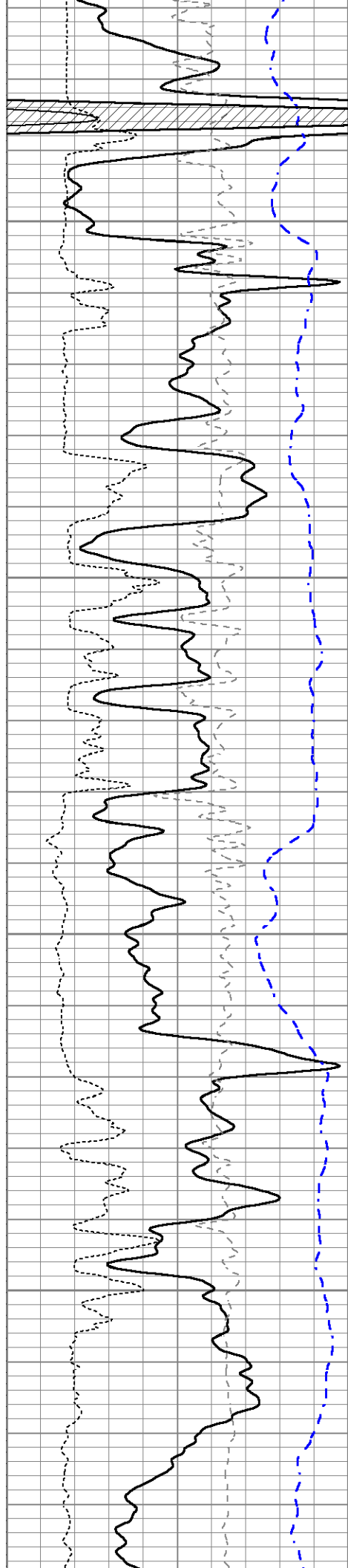
Database File 6901pe.db
Dataset Pathname pass6.1L
Presentation Format obrcomp
Dataset Creation Tue Aug 09 21:18:55 2022
Charted by Depth in Feet scaled 1:240

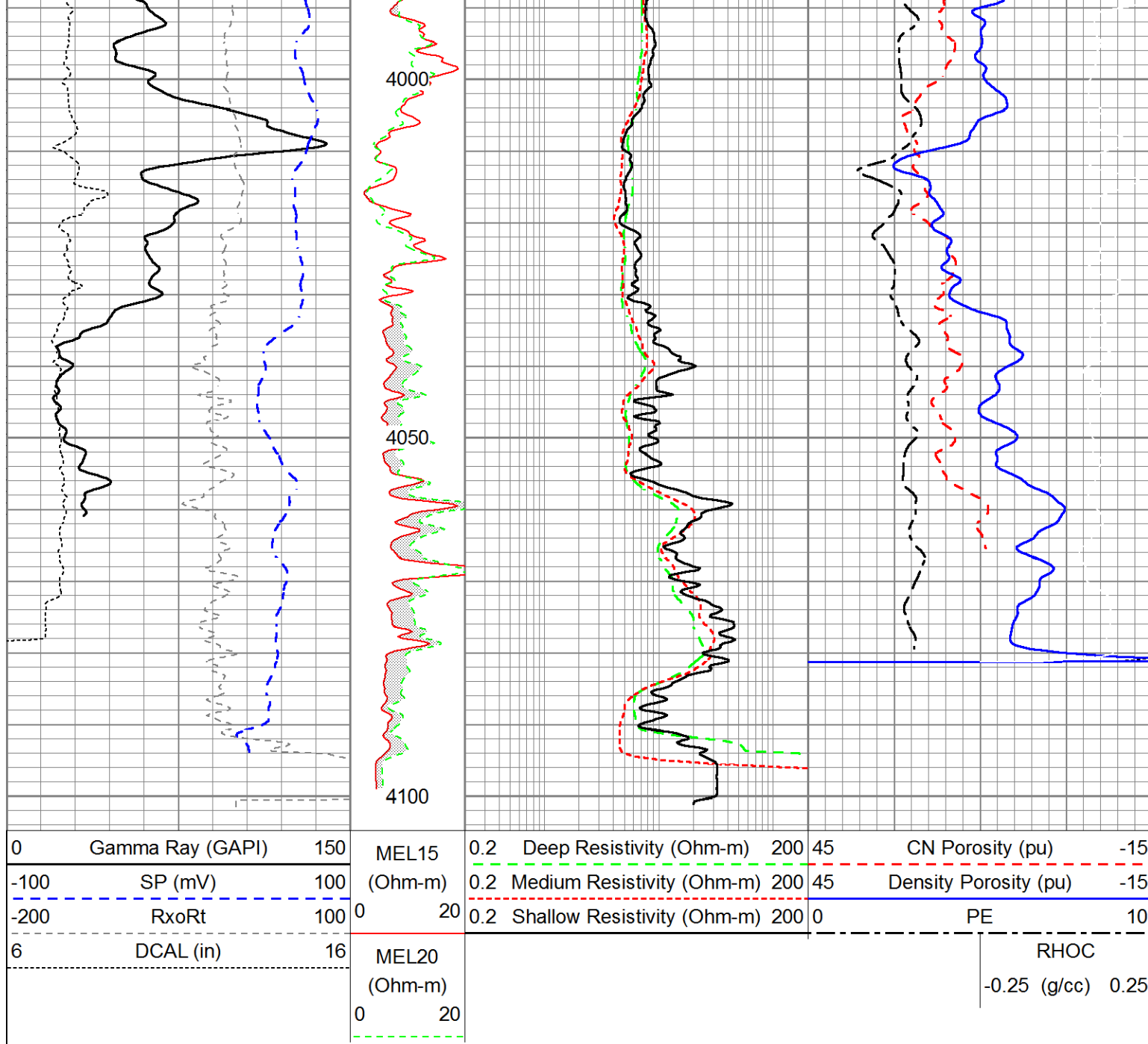
0	Gamma Ray (GAPI)	150	MEL15	0.2	Deep Resistivity (Ohm-m)	200	45	CN Porosity (pu)	-15
-100	SP (mV)	100	(Ohm-m)	0.2	Medium Resistivity (Ohm-m)	200	45	Density Porosity (pu)	-15
-200	RxoRt	100	0 20	0.2	Shallow Resistivity (Ohm-m)	200	0	PE	10
6	DCAL (in)	16	MEL20					RHOC	
			(Ohm-m)					-0.25 (g/cc)	0.25
			0 20						











Calibration Report									
Database File	6901pe.db								
Dataset Pathname	pass6.1M								
Dataset Creation	Tue Aug 09 19:59:26 2022								
Dual Induction Calibration Report									
Serial-Model:					PROBE8-DILG				
Surface Cal Performed:					Tue Aug 09 19:18:29 2022				
Downhole Cal Performed:					Mon Jul 28 11:08:27 2008				
After Survey Verification Performed:					Mon Jul 28 11:08:27 2008				
Surface Calibration									
		Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.015	0.648	V	0.000	400.000	mmho/m	640.000	10.000	
Medium	0.029	0.796	V	0.000	464.000	mmho/m	630.000	-4.000	
Internal:	Zero	Cal		Zero	Cal		m	b	

	Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
	Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739
Downhole Calibration									
		Readings			References			Results	
		Zero	Cal		Zero	Cal		m'	b'
	Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
	Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
	LL3		7.500	V		1500.000	Ohm-m		
			0.000	V		20.000	Ohm-m		
			-7.200	V		3800.000	mmho-m		
After Survey Verification									
		Readings			Targets			Results	
		Zero	Cal		Zero	Cal		m'	b'
	Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
	Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
	LL3		1.000	Ohm-m		1.000	Ohm-m		
			0.000	Ohm-m		0.000	Ohm-m		
			1.000	mmho-m		1.000	mmho-m		
Litho Density Calibration Report									
Serial: 004 Model: PRB									
Master Calibration									
Performed Tue Aug 02 11:29:35 2022									
		Background	Magnesium		Aluminum		Aluminum+Fe		
	Window 1	1154.2	10019.5		3137.9		2795.6		cps
	Window 2	1054.4	8597.6		2733.4		2469.5		cps
	Window 3	902.3	5241.4		1832.1		1719.3		cps
	Window 4	251.9	261.1		255.8		252.9		cps
	Long Space	0.0	7543.2		1679.0		1415.0		cps
	Short Space	4.4	2049.3		1321.7		1116.8		cps
	Rho		1.7100		2.5900		0.0000		g/cc
	Pe		2.0000		2.7500		5.7900		
	Rib Angle	: 43.7	Rib Slope	: 0.957	Density/Spine Ratio			: 0.562	
	Spine Angle	: 73.7	Spine Slope	: 3.426	Spine Intercept			: -17.2	
Before Survey Verification									
Performed Wed Dec 31 18:00:00 1969									
	Window 1	0.0	0.0		0.0		0.0		cps
	Window 2	0.0	0.0		0.0		0.0		cps
	Window 3	0.0	0.0		0.0		0.0		cps
	Window 4	0.0	0.0		0.0		0.0		cps
	Long Space	0.0	0.0		0.0		0.0		cps
	Short Space	0.0	0.0		0.0		0.0		cps
	Measured Rho		0.0000		0.0000		0.0000		g/cc
	Measured Correction		0.0000		0.0000		0.0000		g/cc
	Measured Pe				0.0000		0.0000		
After Survey Verification									
Performed Wed Dec 31 18:00:00 1969									
	Window 1	0.0	0.0		0.0		0.0		cps
	Window 2	0.0	0.0		0.0		0.0		cps
	Window 3	0.0	0.0		0.0		0.0		cps
	Window 4	0.0	0.0		0.0		0.0		cps

Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	
Compensated Neutron Calibration Report					
		Serial Number:	070808PMC		
		Tool Model:	NABORS		
PRE-SURVEY VERIFICATION					
Detector	Readings	Measured	Target		
Short Space	cps				
Long Space	cps	pu	pu		
POST-SURVEY VERIFICATION					
Detector	Readings	Measured	Target		
Short Space	cps				
Long Space	cps	pu	pu		
Gamma Ray Calibration Report					
Serial Number:		070558			
Tool Model:		OPEN_GR			
Performed:		Mon Aug 08 22:47:24 2022			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		0.3000	GAPI/cps		