

Log Variables

DatabaseC:\ProgramData\Warrior\Data\cobalt_mollhagen trust a 1-6.db
Dataset field/well/STKML/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	100	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m	mmho/m	mV	degF	Off	ft
		0	0	225	0		0



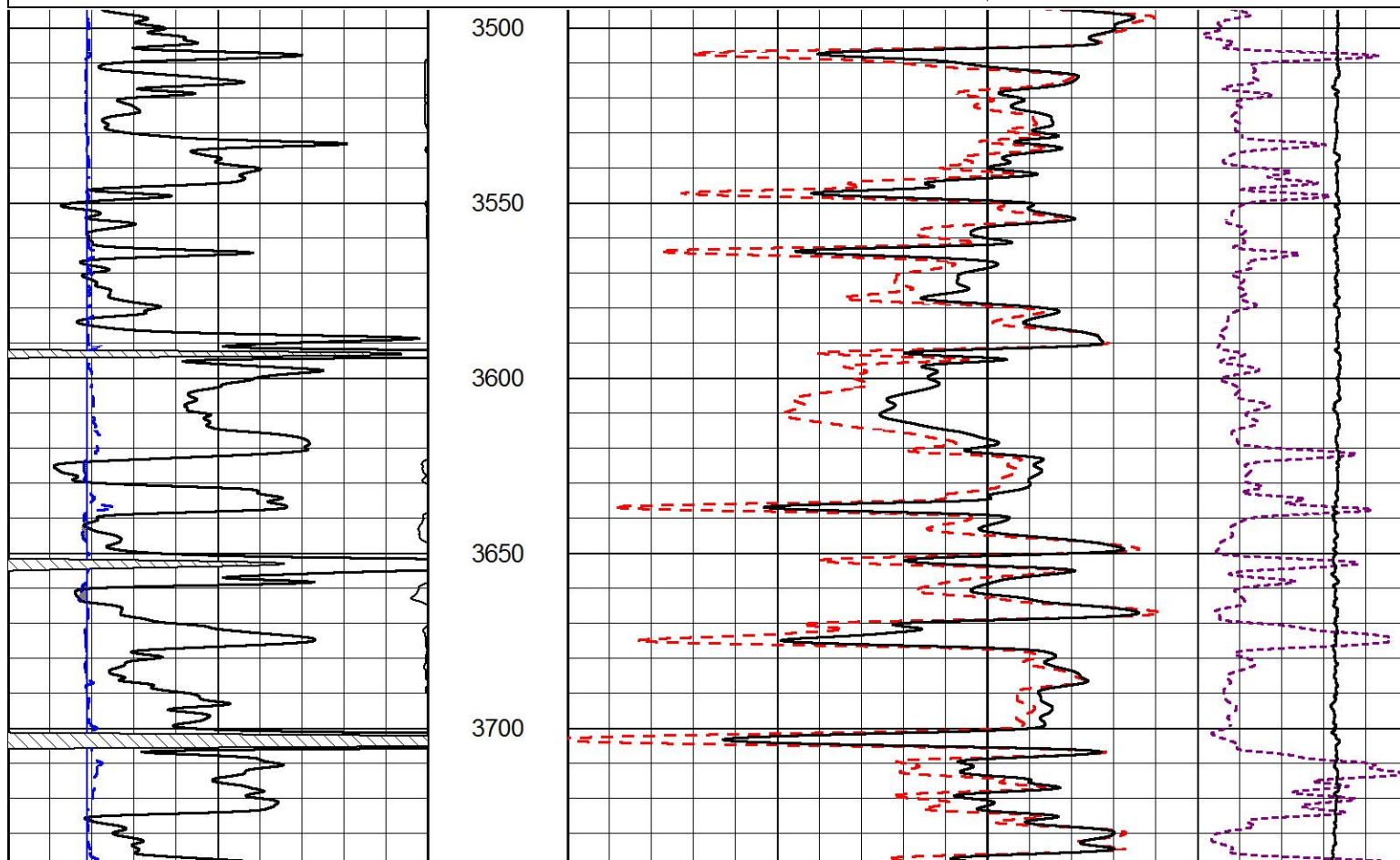
MAIN PASS

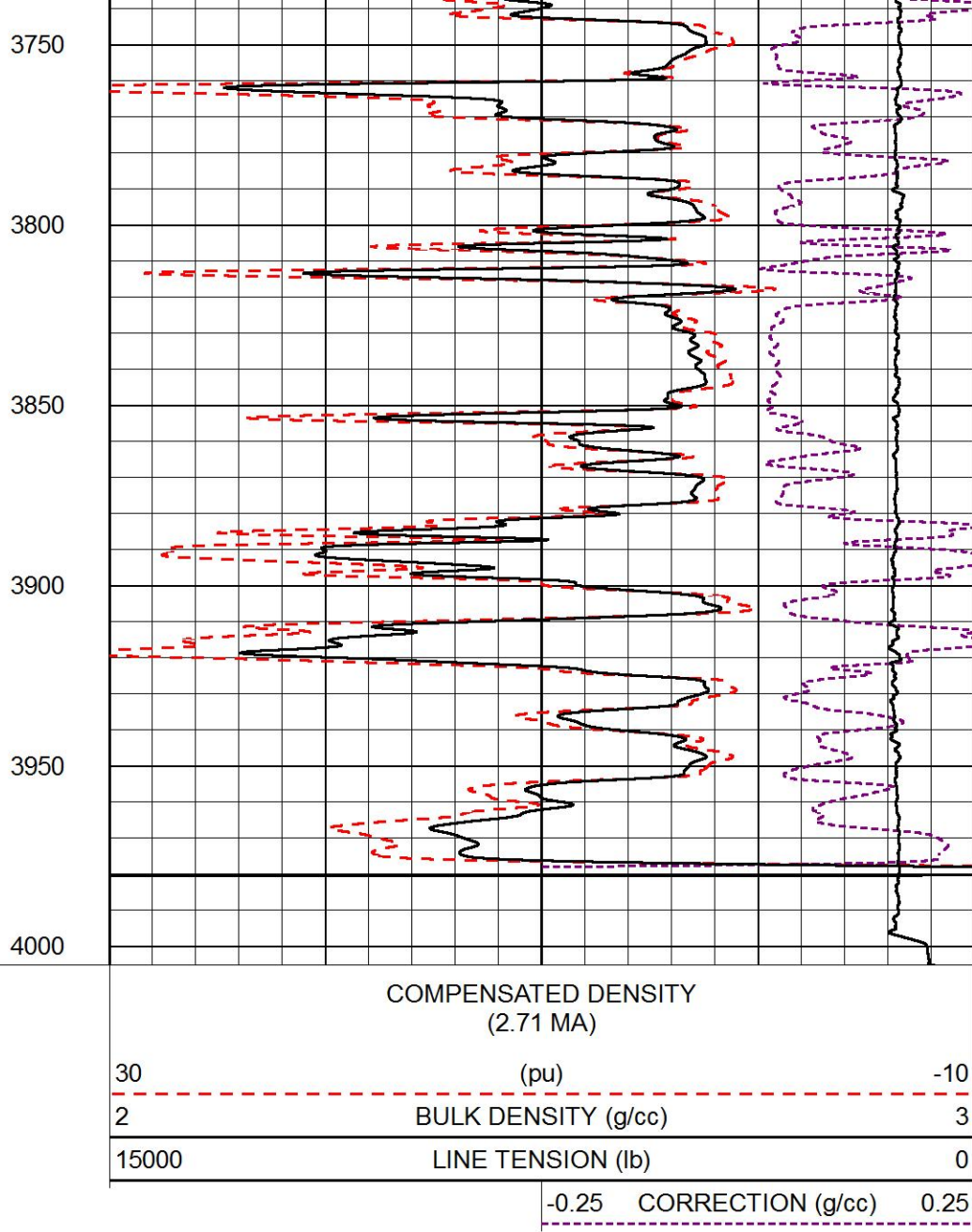
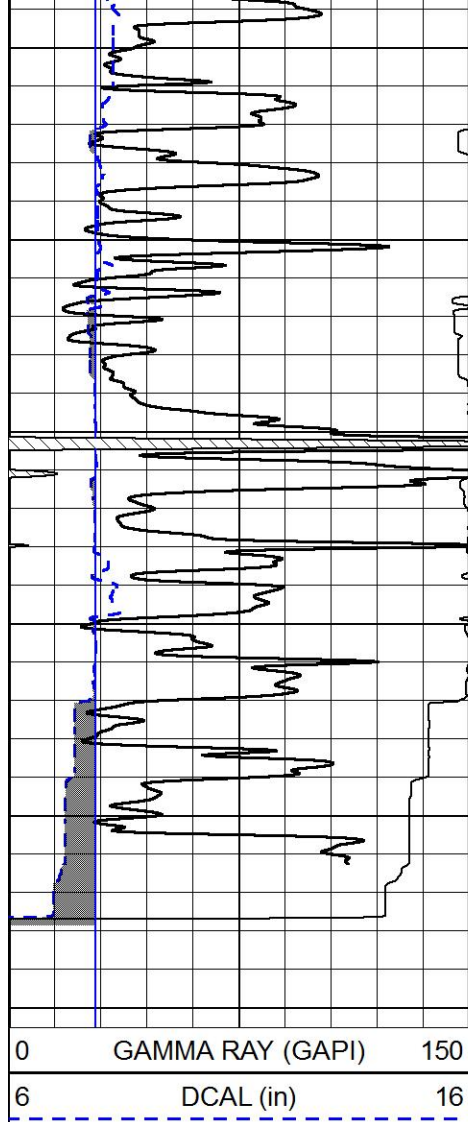
Database File cobalt_mollhagen trust a 1-6.db
Dataset Pathname STKML/pass3.1
Presentation Format _cdl
Dataset Creation Fri Aug 23 16:44:41 2019
Charted by Depth in Feet scaled 1:600

0	GAMMA RAY (GAPI)	150
6	DCAL (in)	16

COMPENSATED DENSITY (2.71 MA)

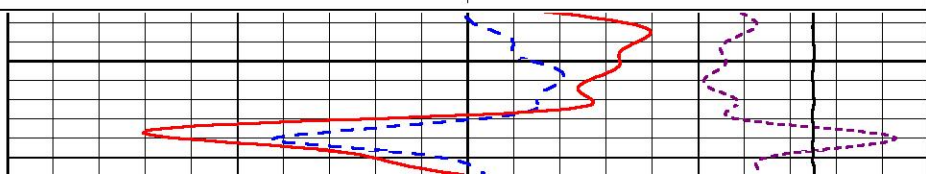
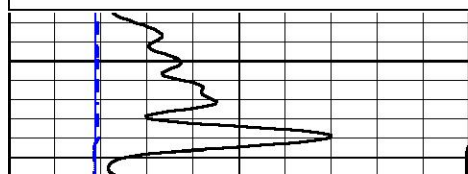
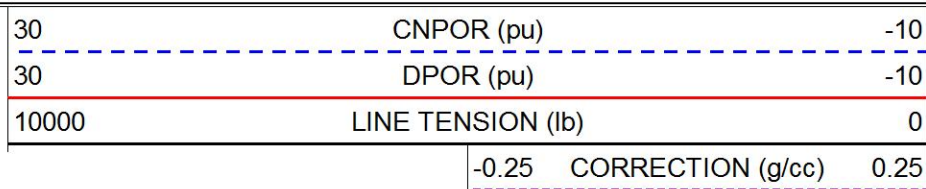
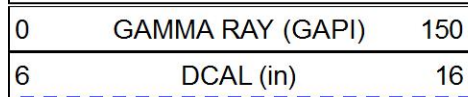
30	(pu)	-10
2	BULK DENSITY (g/cc)	3
15000	LINE TENSION (lb)	0
-0.25	CORRECTION (g/cc)	0.25

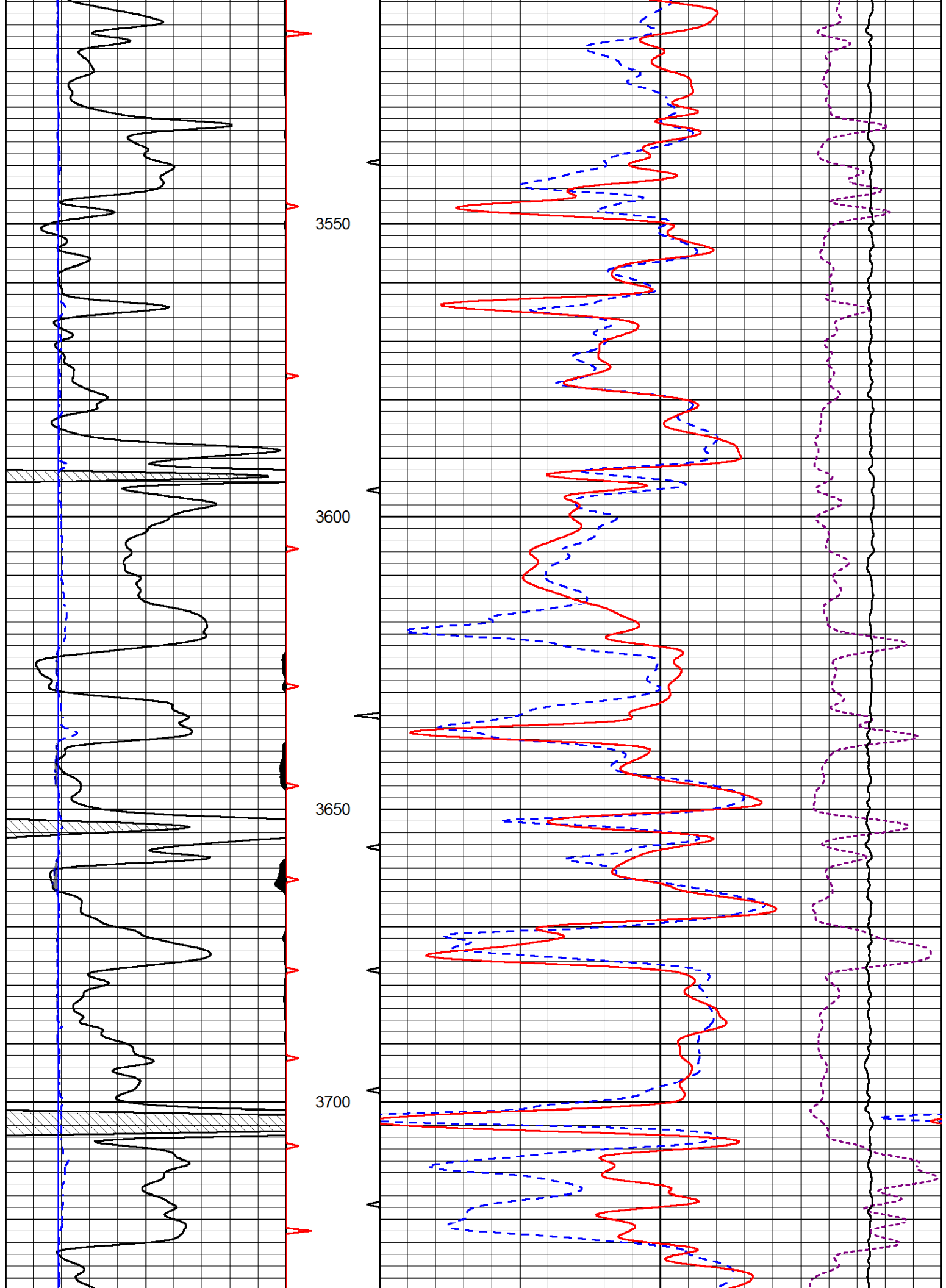


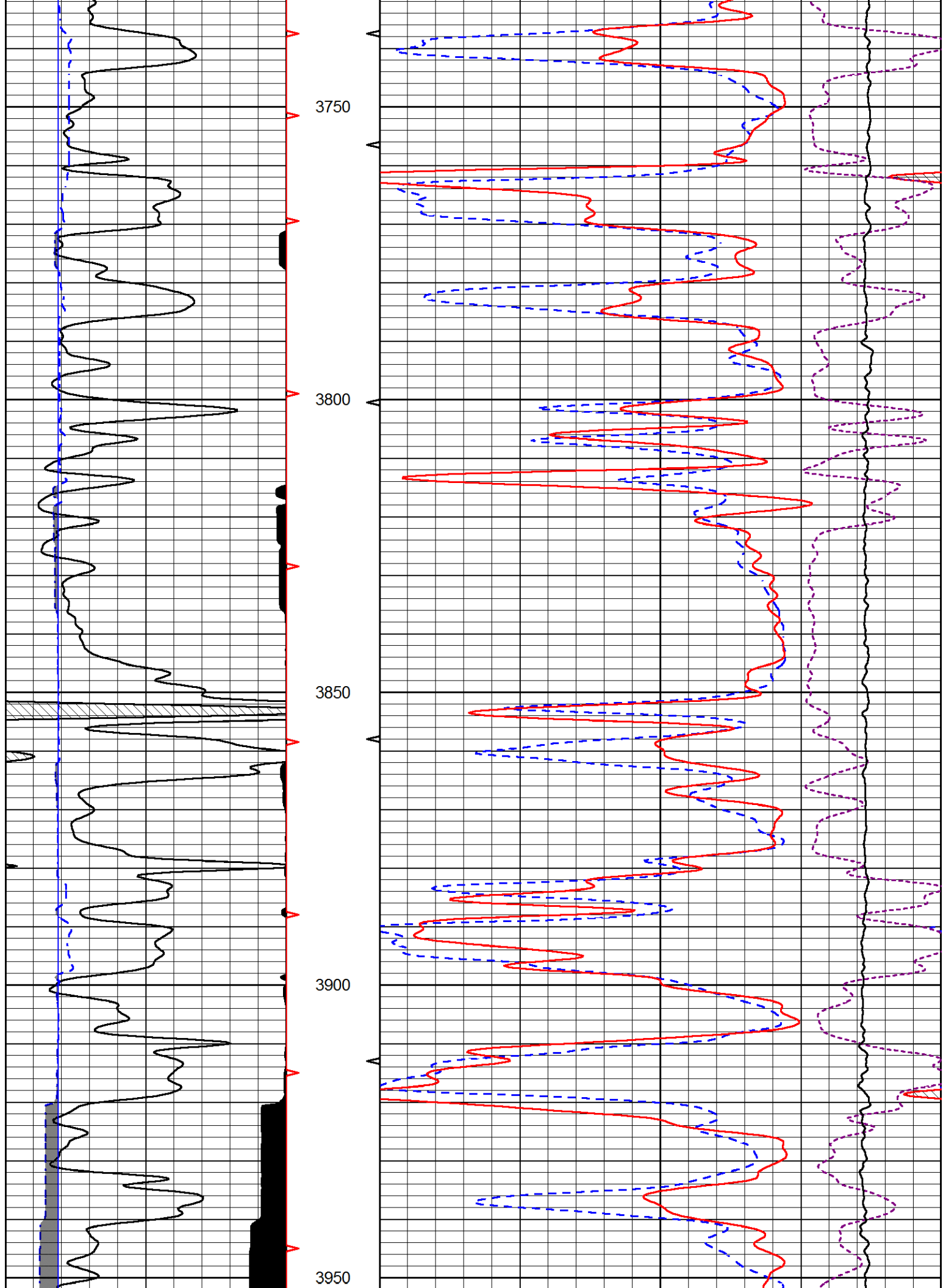


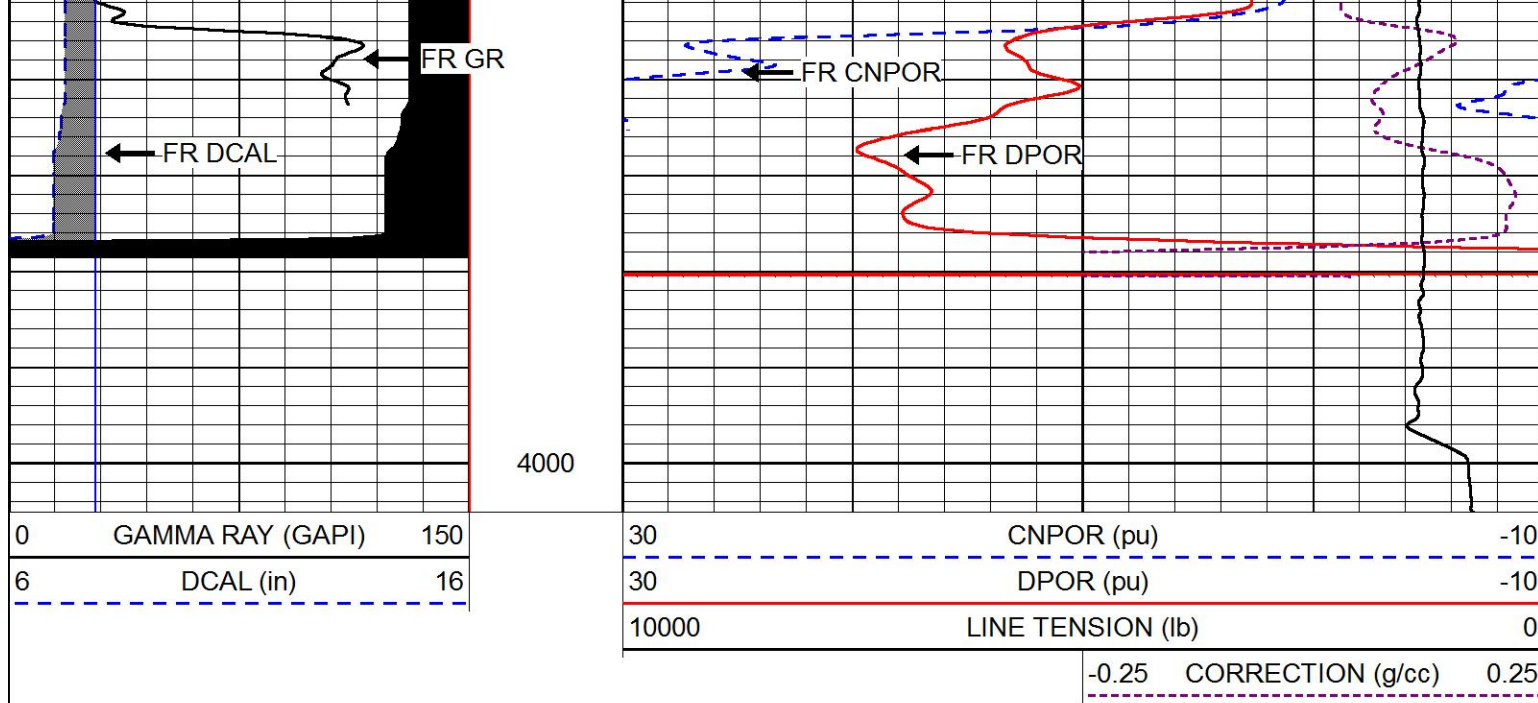
MAIN PASS

Database File cobalt_mollhagen trust a 1-6.db
 Dataset Pathname STKML/pass3.1
 Presentation Format _CNDLS~1
 Dataset Creation Fri Aug 23 16:44:41 2019
 Charted by Depth in Feet scaled 1:240



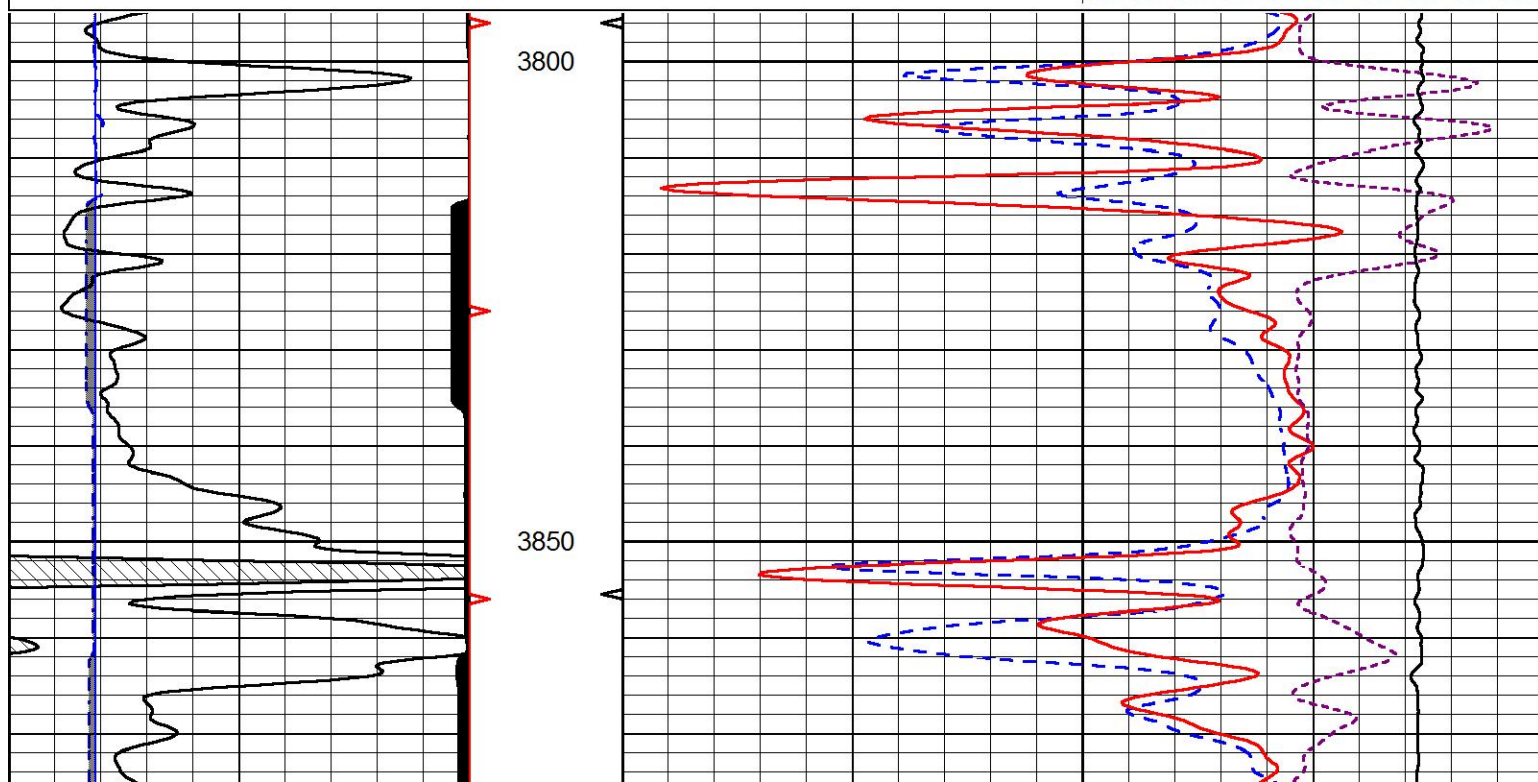
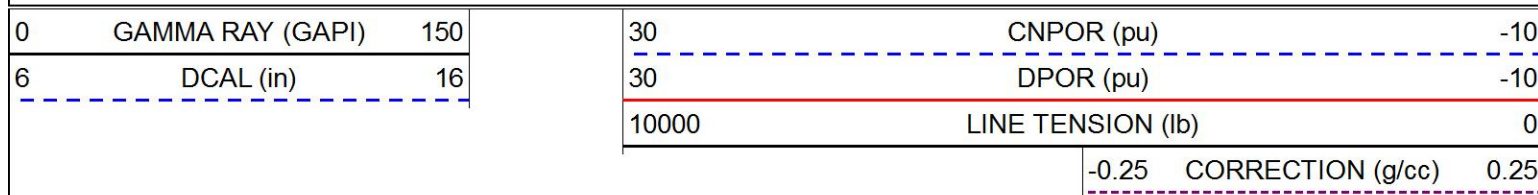


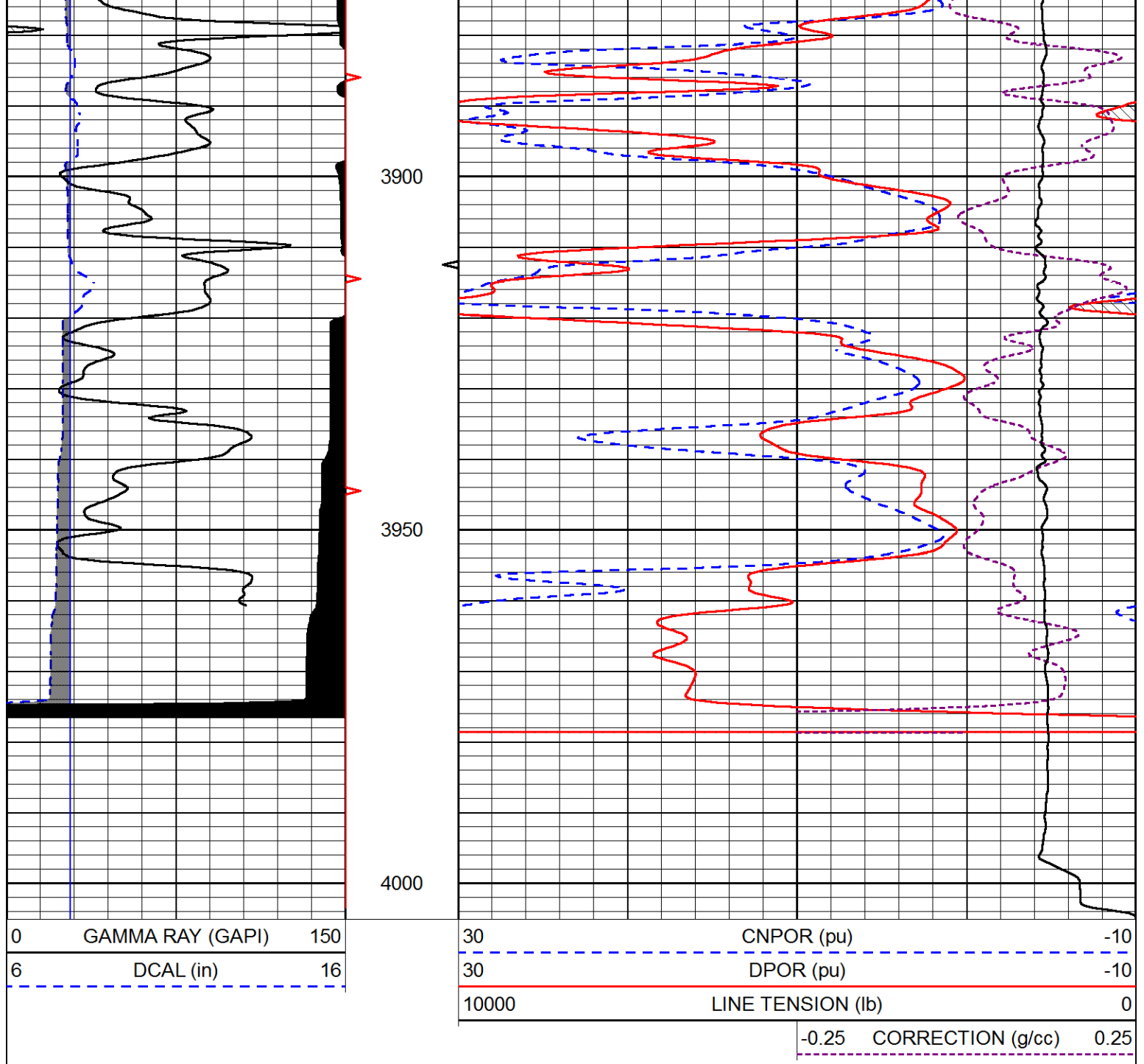




REPEAT SECTION

Database File: cobalt_mollhagen trust a 1-6.db
 Dataset Pathname: STKML/pass2.4
 Presentation Format: _CNDLS~1
 Dataset Creation: Fri Aug 23 16:49:51 2019
 Charted by: Depth in Feet scaled 1:240





Calibration Report							
Database File	cobalt_mollhagen trust a 1-6.db						
Dataset Pathname	STKML/pass3.1						
Dataset Creation	Fri Aug 23 16:44:41 2019						
Dual Induction Calibration Report							
Serial-Model:				1039-PSI HIGH TEMP			
Calibration Performed:				Tue Jul 09 07:46:05 2019			
Readings			References			Results	
Loop:	Air	Loop	Air	Loop		Gain	Offset
Deep	167.000	835.000	0.000	255.800	mmho/m	0.445	-51.000
Medium	0.000	1348.000	142.000	255.800	mmho/m	0.380	-58.000

Microlog Calibration Report

Serial-Model:
Performed:PSI-01-PSIML
Thu Aug 01 07:57:13 2019

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	13000.0000	-0.7000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	14000.0000	-0.6000
Caliper	1.0001	1.1397	6.5000	18.5000	in	70.0000	-64.1000

Compensated Density Calibration Report

Serial-Model:
Source / Verifier:
Master Calibration Performed:817-947-M&W
16955B / 2ci
Fri Aug 24 11:16:00 2018

Master Calibration

	Density			Far Detector	Near Detector	
Magnesium	1.755	g/cc		6127.15	5922.31	cps
Aluminum	2.670	g/cc		1141.85	3762.09	cps
Spine Angle = 74.89			Density/Spine Ratio = 0.526			
	Size			Reading		
Small Ring	4.50	in		1.02		
Large Ring	15.00	in		1.15		

Compensated Neutron Calibration Report

Serial Number: 207-MW
Tool Model: M&W
Calibration Performed: WED FEB 13 10:30:30 2019

Detector	Readings		Target		Normalization
Short Space	6240.00	cps	1000.00	cps	1.6025
Long Space	460.00	cps	1000.00	cps	1.9500

Gamma Ray Calibration Report

Serial Number: 233-M&W
Tool Model: M&W
Calibration Performed: Fri Feb 07 01:42:40 2014Calibrator Value: 1.0 GAPI
Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps
Sensitivity: 0.5500 GAPI/cps

Company COBALT ENERGY, LLC
Well MOLLHAGEN TRUST A #1-6
Field WILDCAT

PIONEER

Pioneer Energy Services

County

GRAHAM

State

KANSAS