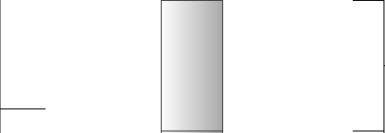
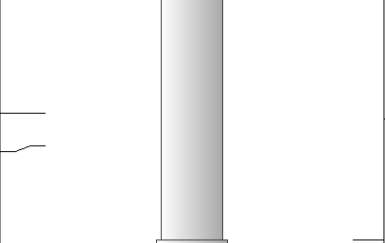
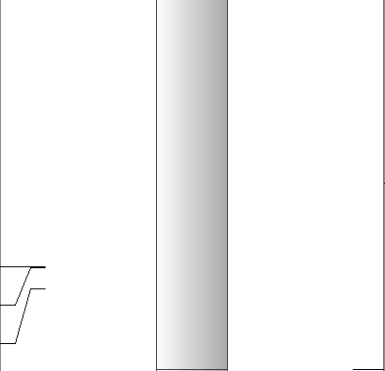
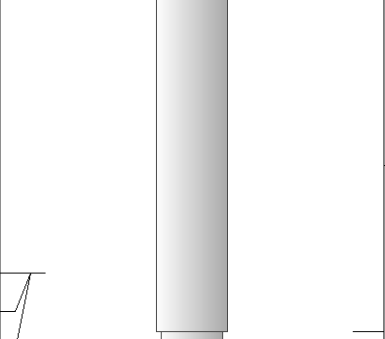
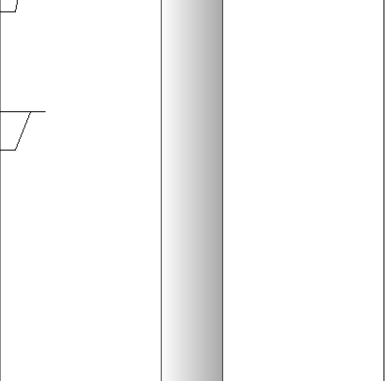


Top - Bottom

M	A	SZCOR	NPORSEL	FLUIDDEN g/cc	MATRXDEN g/cc	SPSHIFT mV	SNDERRM mmho/m
2	1	Off	Limestone	1	2.71	40	0
SNDERR mmho/m	SRFTEMP degF	CASETHCK in	CASEOD in	PERFS	TDEPTH ft	BOTTEMP degF	BOREID in
0	90	0	5.5	0	2901	105	7.875

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58		GR-M&W (89)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73		CNT-M&W (207-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93		CDL-M&W (817-947)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83		ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00
RLL3F RLL3	15.80 15.80					

CILD	8.00		DIL-PSI HIGH TEMP (PSI 971 HT)	18.50	3.50	220.00
CILM	4.70					
SP	0.20					
Dataset: bruce_thibault 3.db: field/well/STKML/pass3.5 Total length: 43.08 ft Total weight: 685.00 lb O.D.: 4.00 in						



PIONEER
Pioneer Energy Services

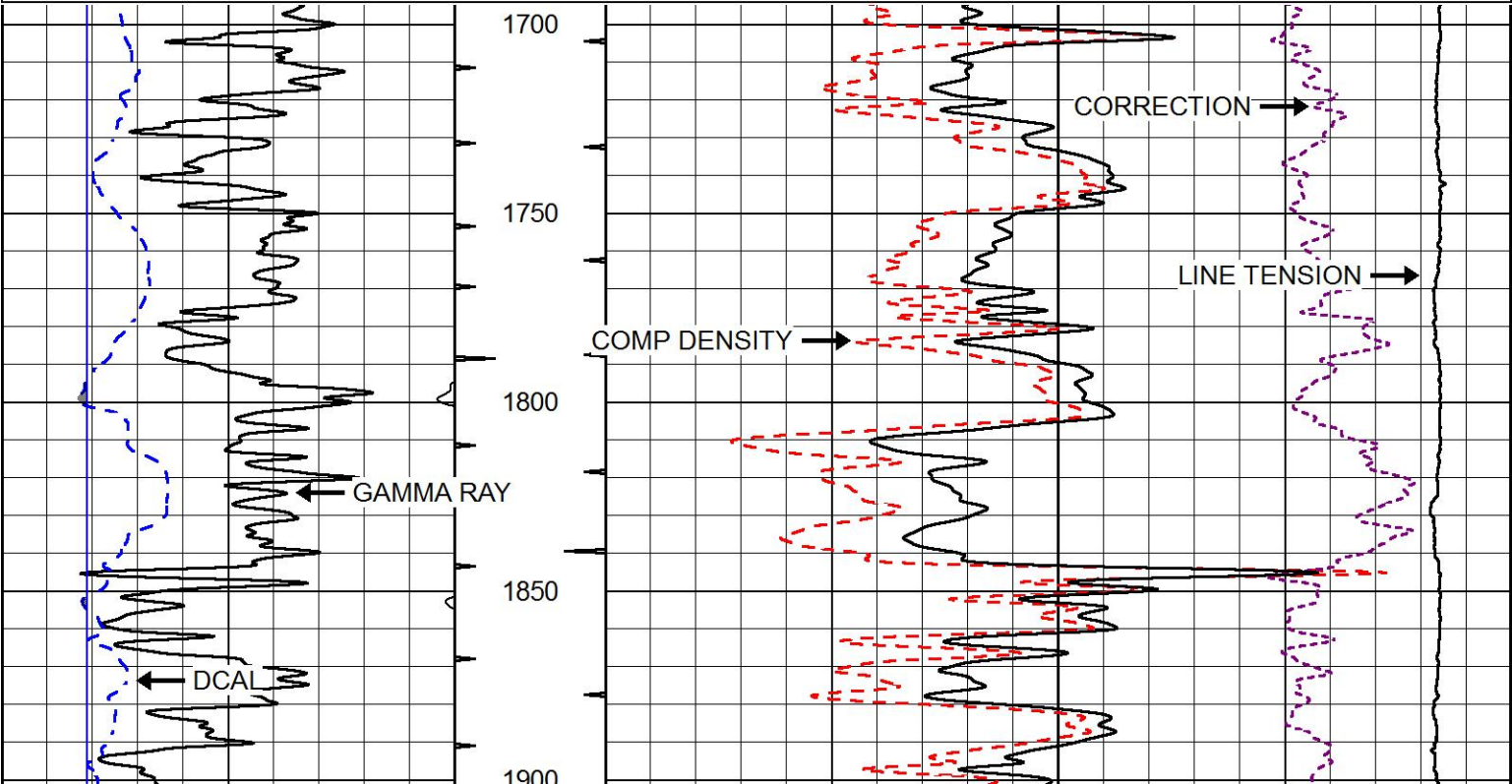
MAIN PASS

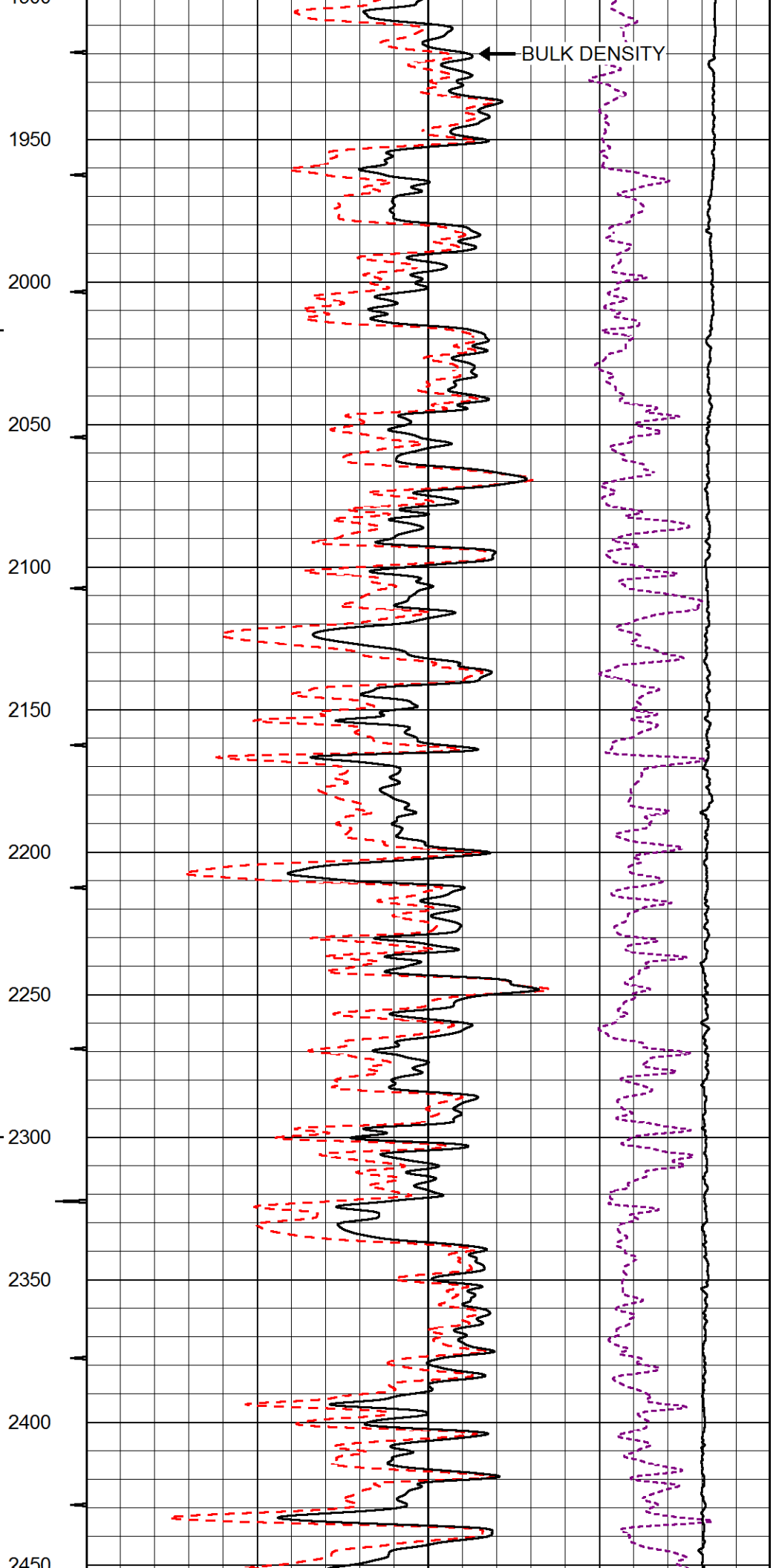
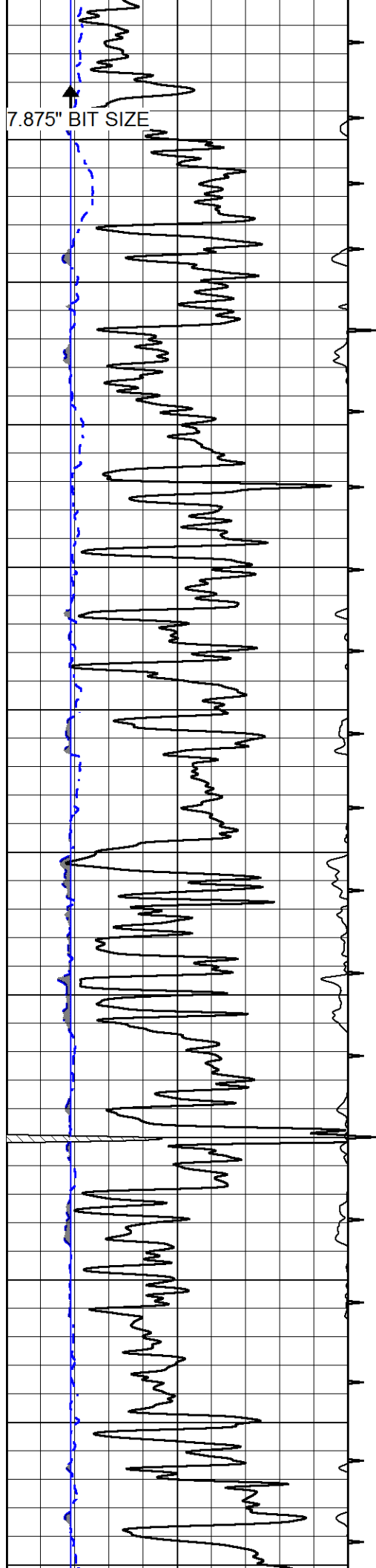
Database File
Dataset Pathname
Presentation Format
Dataset Creation
Charted by

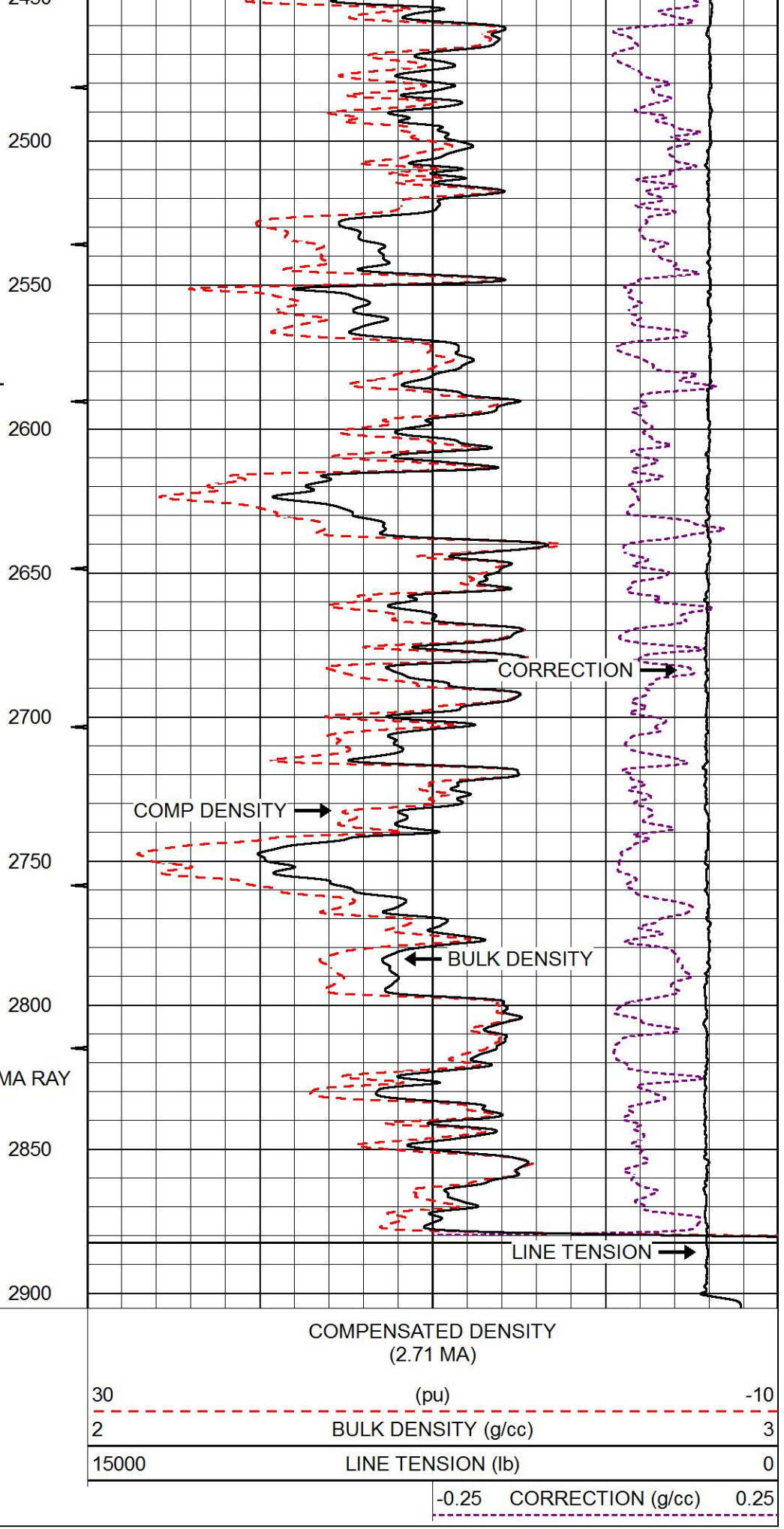
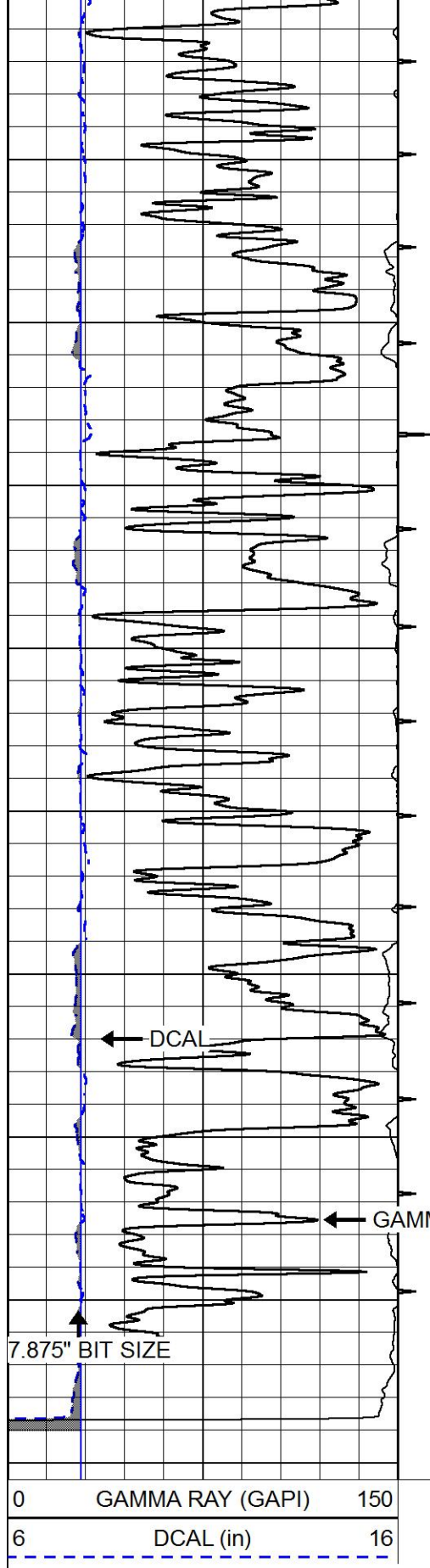
bruce_thibault 3.db
STKML/pass3.1
cdl
Sat May 26 18:50:00 2018
Depth in Feet scaled 1:600

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

COMPENSATED DENSITY (2.71 MA)	
30	(pu)
2	BULK DENSITY (g/cc)
15000	LINE TENSION (lb)
-0.25	CORRECTION (g/cc)
0.25	





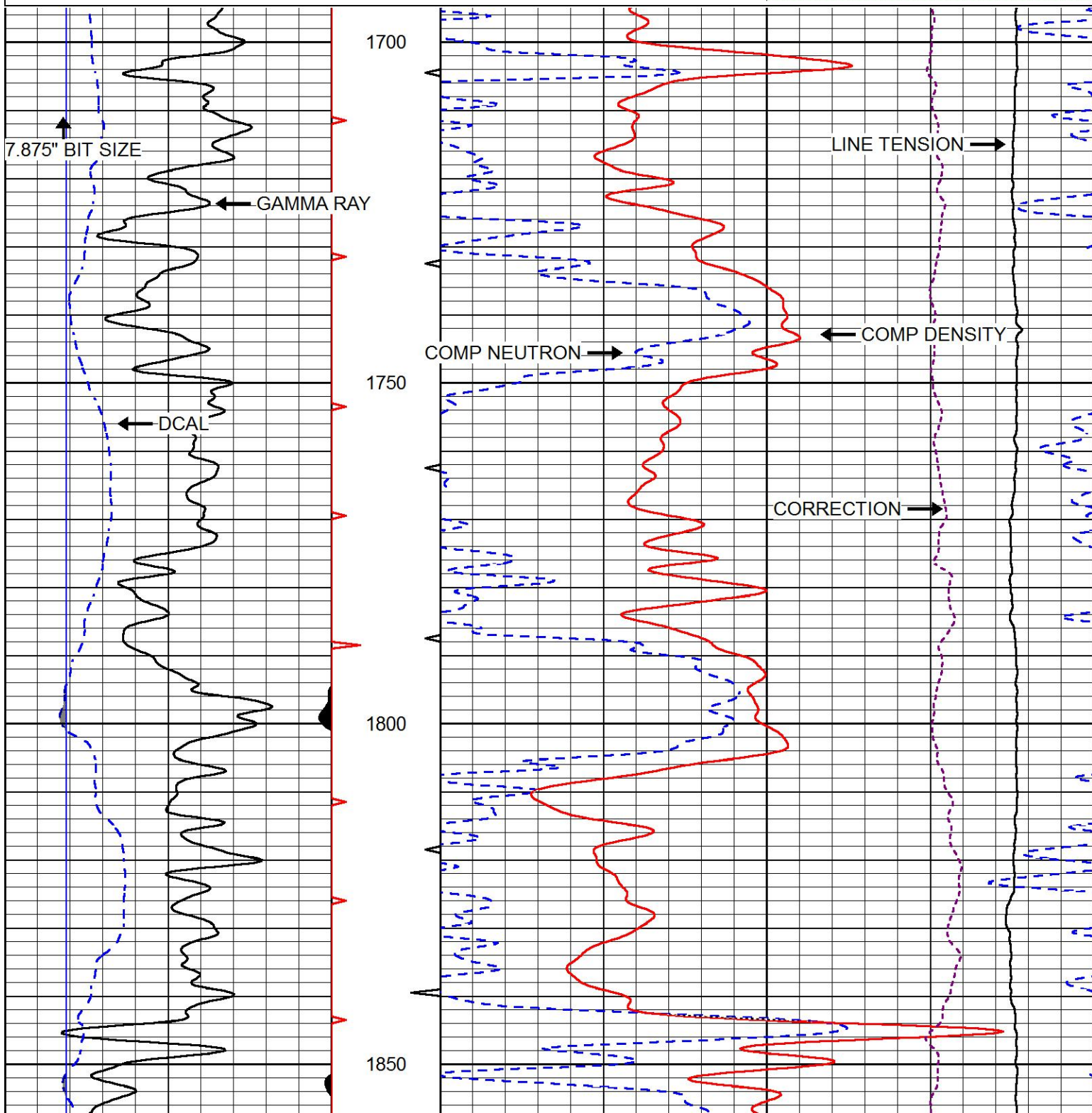


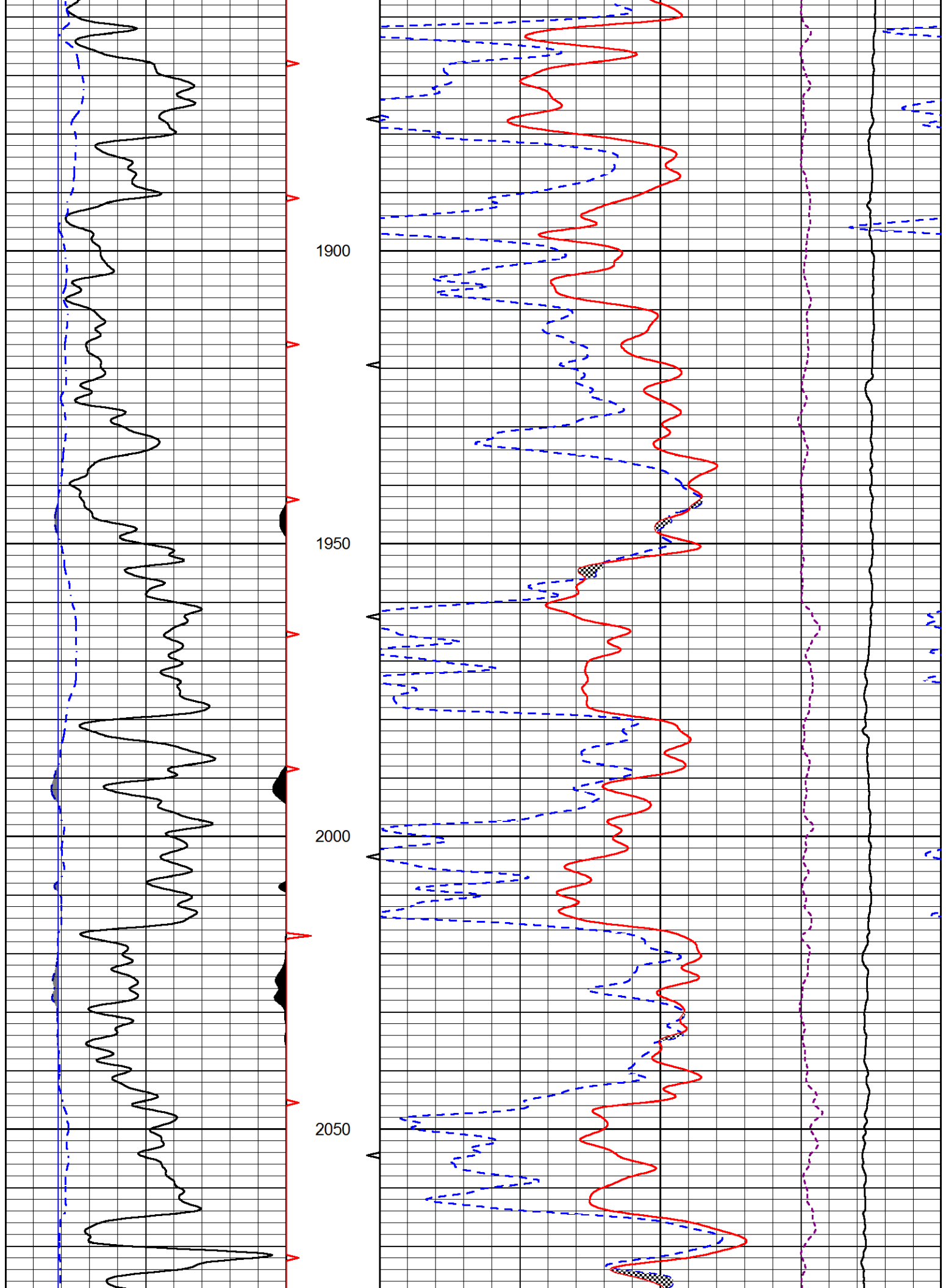
MAIN PASS

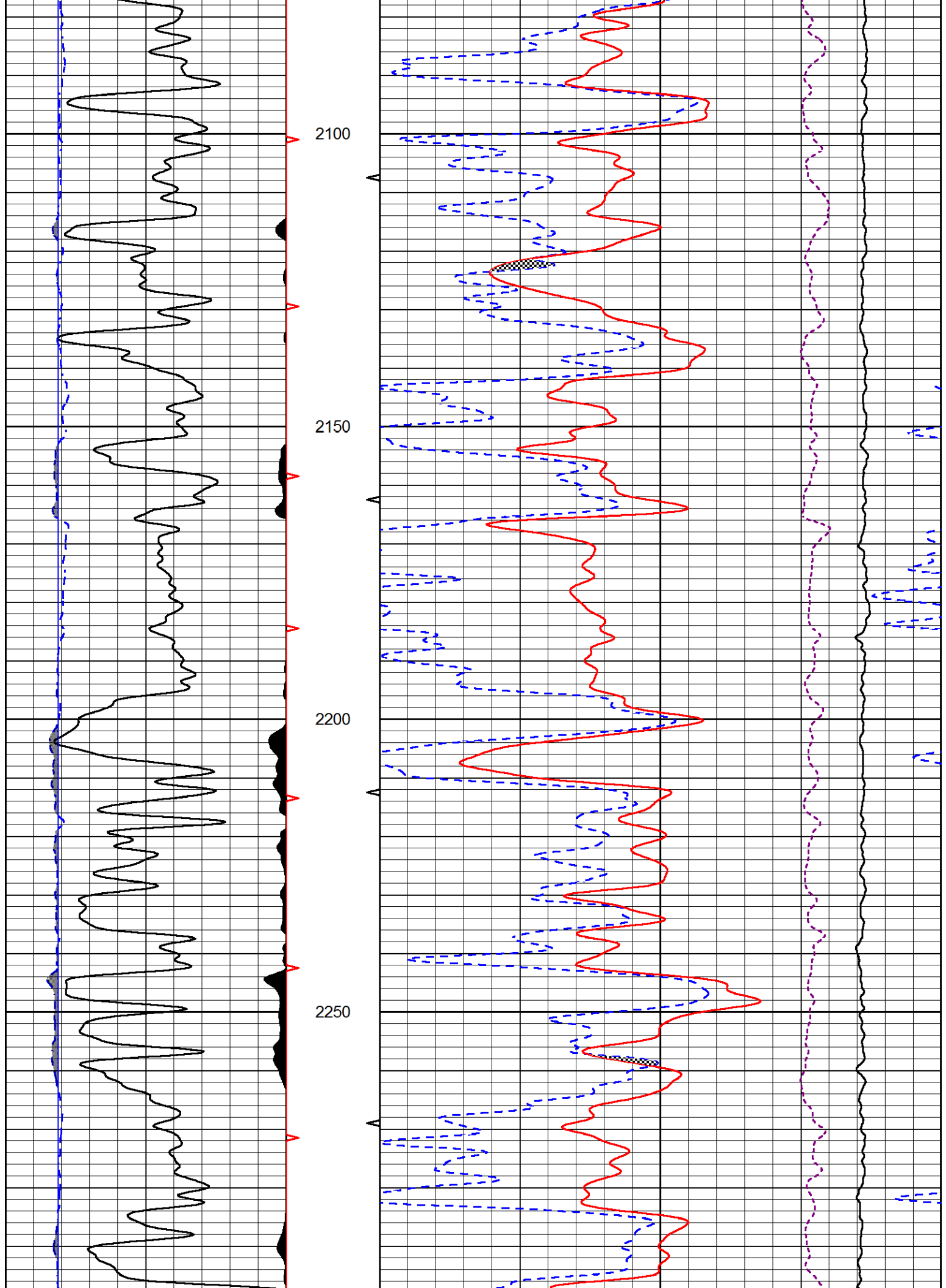
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Dataset Pathname STKML/pass3.1
Presentation Format cndlspec
Dataset Creation Sat May 26 18:50:00 2018
Charted by Depth in Feet scaled 1:240

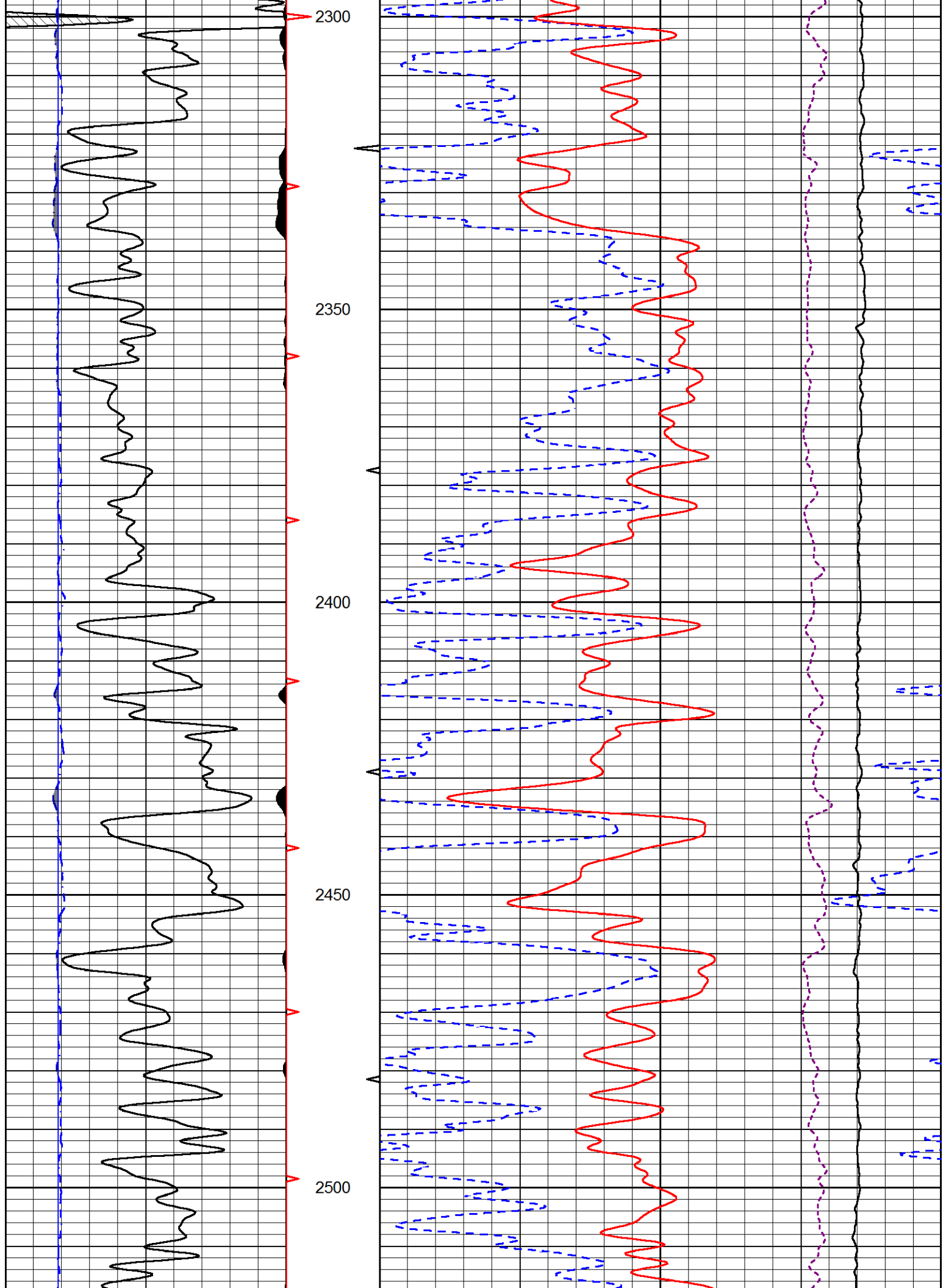
0 GAMMA RAY (GAPI) 150
6 DCAL (in) 16

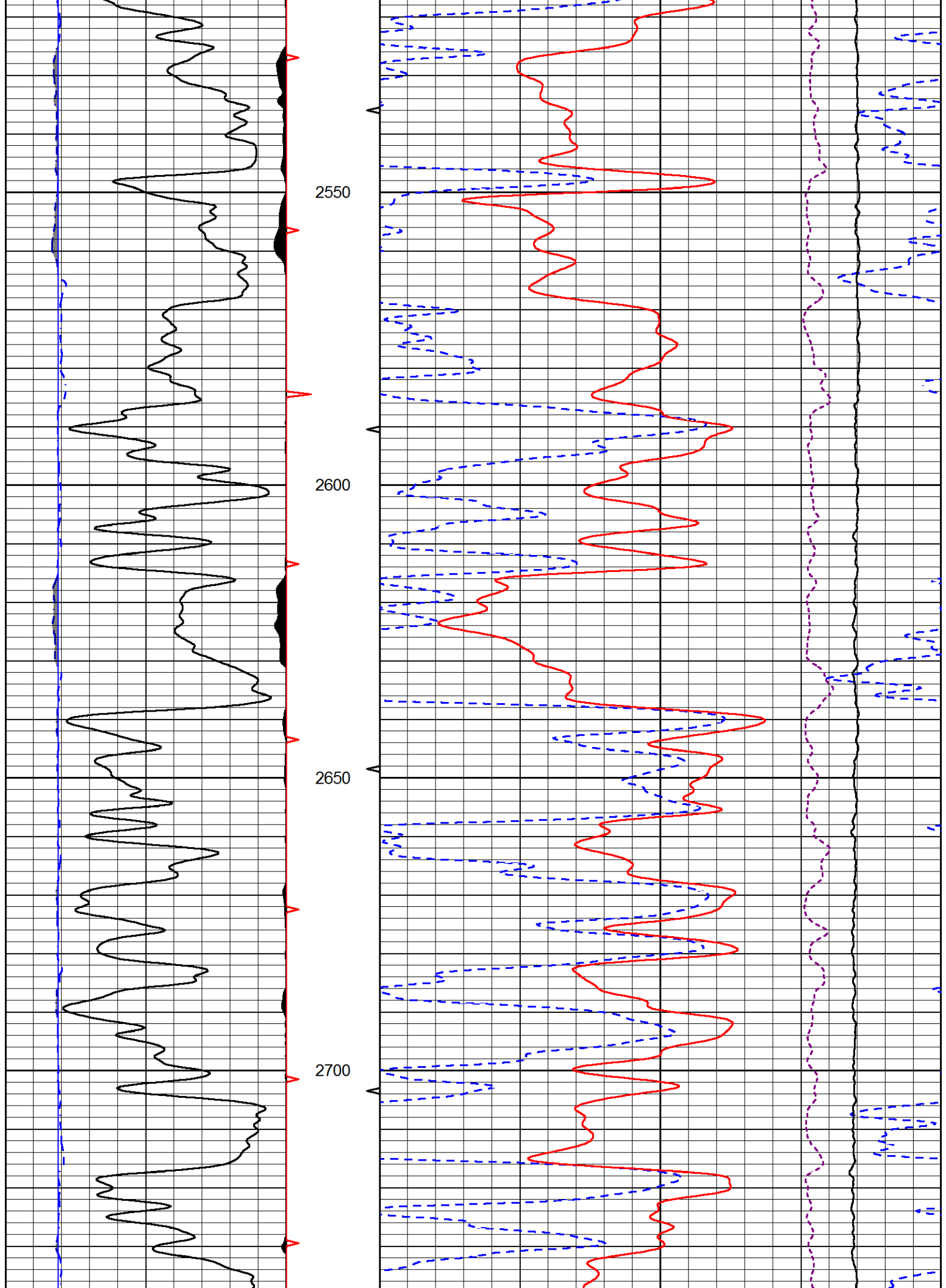
30 CNLS (pu) -10
30 COMPENSATED DENSITY 2.71g/cc (pu) -10
10000 LINE TENSION (lb) 0
-0.75 CORRECTION (g/cc) 0.75

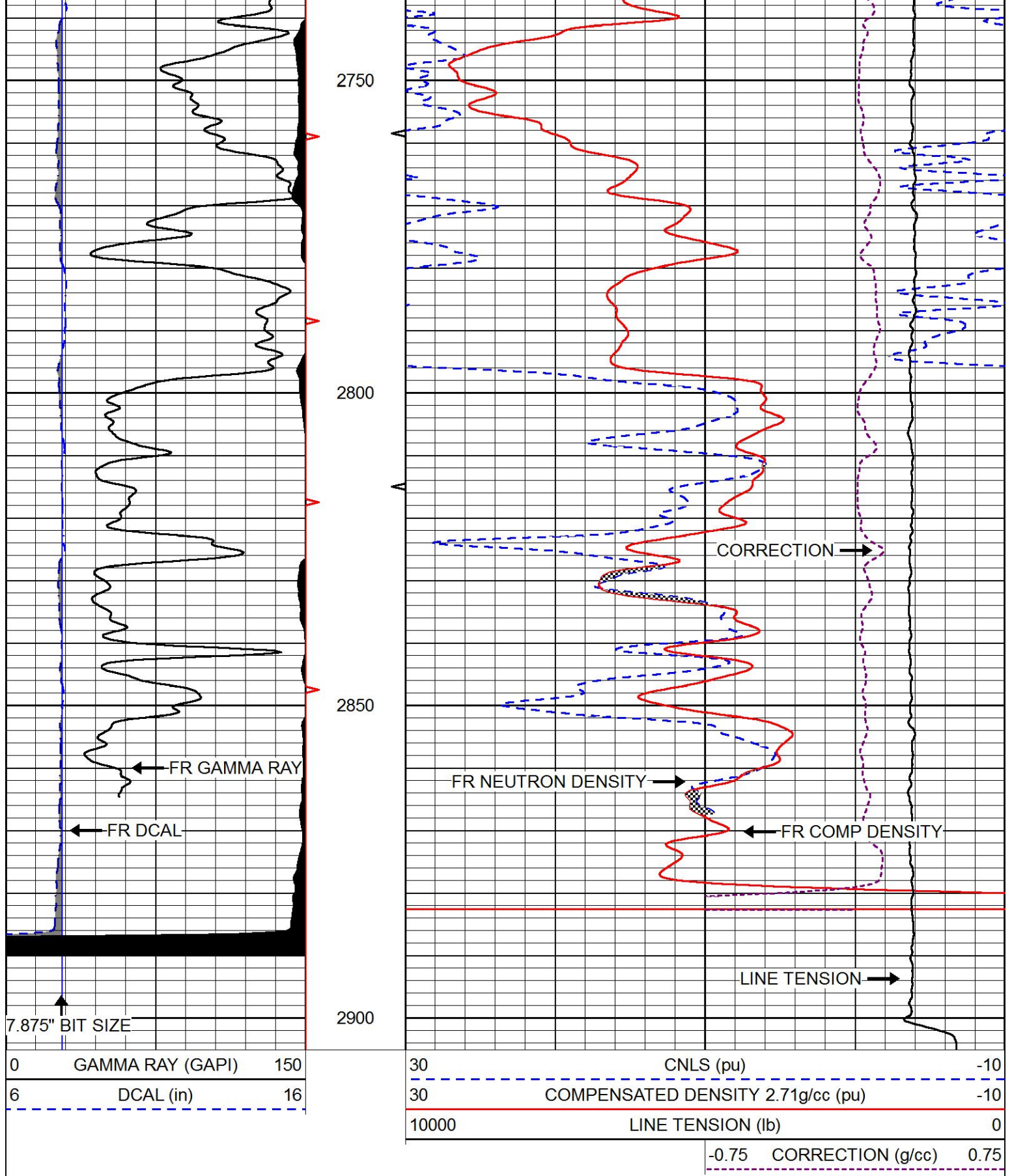








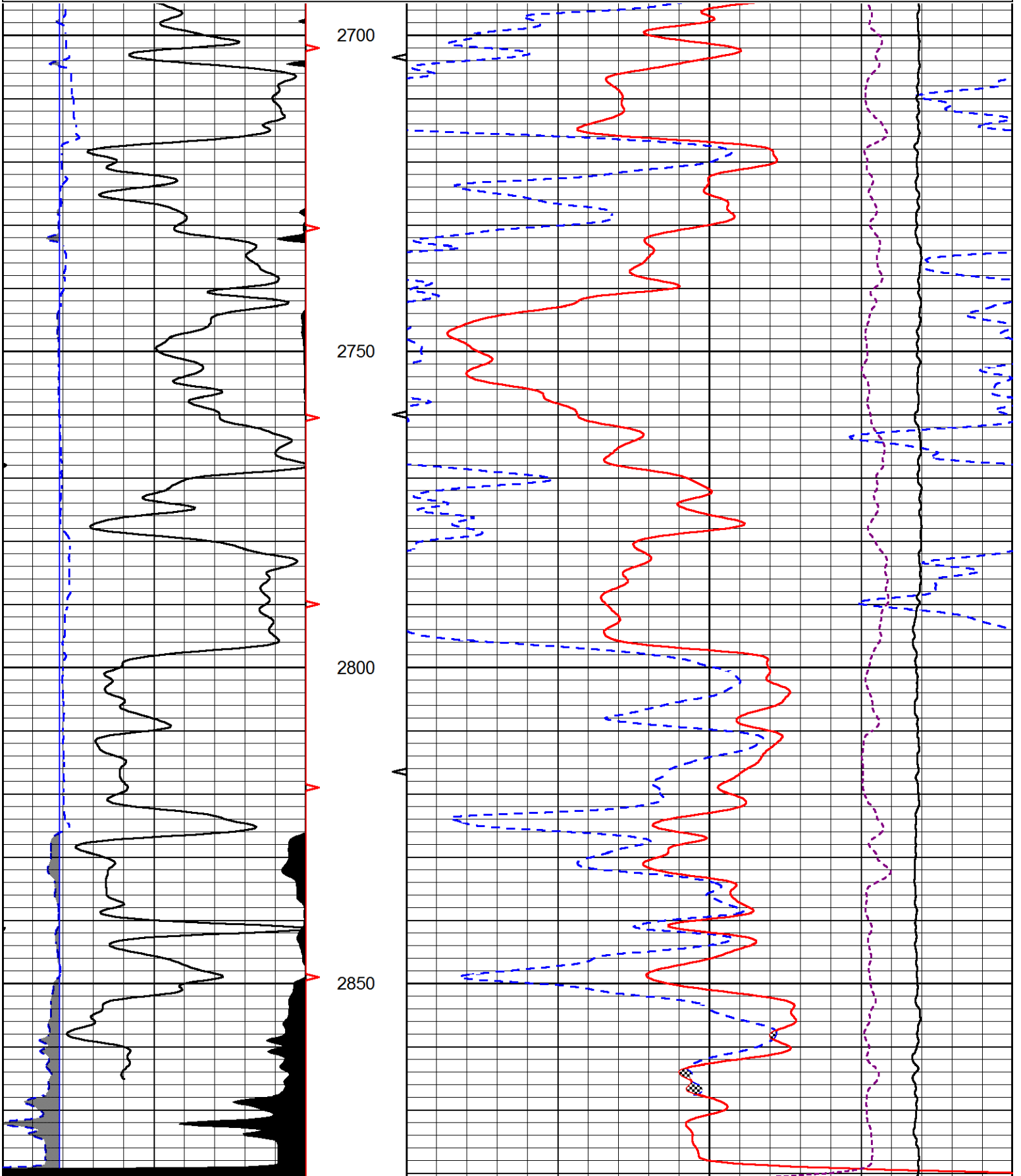


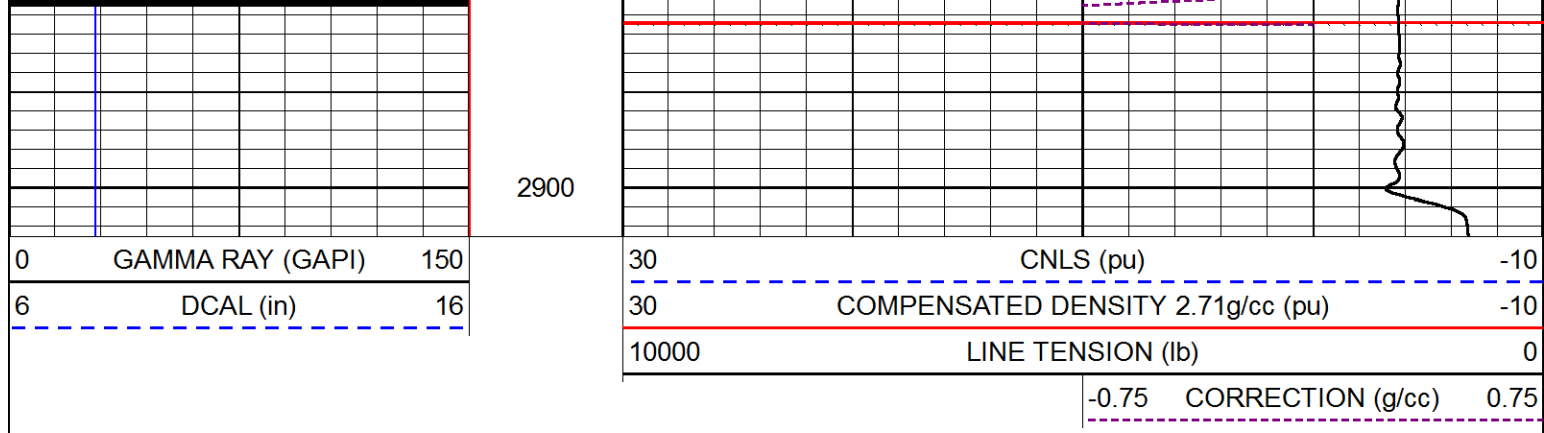


REPEAT SECTION

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

30	CNLS (pu)	-10
30	COMPENSATED DENSITY 2.71g/cc (pu)	-10
10000	LINE TENSION (lb)	0
-0.75	CORRECTION (g/cc)	0.75





Calibration Report	
Database File	bruce_thibault 3.db
Dataset Pathname	STKML/pass3.5
Dataset Creation	Sat May 26 18:26:36 2018

Dual Induction Calibration Report

Serial-Model:	PSI 971 HT-PSI HIGH TEMP
Calibration Performed:	Tue May 22 18:36:42 2018

Readings		References		Results	
Loop:	Air	Loop	Air	Loop	Gain
Deep	167.000	835.000	0.000	255.800 mmho/m	0.425
Medium	0.000	1348.000	142.000	255.800 mmho/m	0.370
					Offset
					-30.000
					-30.000

Microlog Calibration Report

Serial-Model:	PSI-01-PSIML
Performed:	Mon Apr 16 11:11:21 2018

Readings		References		Results	
	Zero	Cal	Zero	Cal	m
Normal	0.0000	1.0000	0.0000	1.0000 Ohm-m	45000.0000
Inverse	0.0000	1.0000	0.0000	1.0000 Ohm-m	40000.0000
Caliper	1.0001	1.1397	6.5000	18.5000 in	70.0000
					b
					-1.3000
					-0.6000
					-65.8500

Compensated Density Calibration Report
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Serial-Model:	817-947-M&W
Source / Verifier:	16955B / 2ci
Master Calibration Performed:	Tue May 01 14:00:17 2018

Master Calibration					
	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	6127.15	5922.31	cps
Aluminum	2.650	g/cc	1141.85	3762.09	cps
Spine Angle = 74.89			Density/Spine Ratio = 0.514		
	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:		MON APR 16 10:30:30 2018	
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:		89	
Tool Model:		M&W	
Calibration Performed:		Mon Jan 15 11:20:44 2018	
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.6000	GAPI/cps	

	Company	BRUCE OIL COMPANY, LLC
	Well	THIBAUT #3
	Field	KILL CREEK
	County	OSBORNE
	State	KANSAS