



PIONEER

Pioneer Energy Services

DUAL COMP POROSITY LOG

Company BRITO OIL COMPANY, INC.

Well WERTH #1-35

Field WILDCAT

County GOVE State KANSAS

Location: API #: 15-063-22326-00-00

SEC 35 TWP 12S RGE 26W

Permanent Datum GROUND LEVEL Elevation 2579'

Log Measured From KELLY BUSHING

Drilling Measured From KELLY BUSHING

DIL/MEL
BHCS

Other Services

Elevation
K.B. 2589'
D.F. N/A
G.L. 2579'

Date 3/9/2018

Run Number ONE

Type Log CNL/CDL

Depth Driller 4570'

Depth Logger 4568'

Bottom Logged Interval 4539'

Top Logged Interval 3600'

Type Fluid In Hole CHEMICAL

Salinity, PPM CL 3400

Density 9.3

Level FULL

Max. Rec. Temp. F 122

Operating Rig Time 5 HOURS

Equipment -- Location 91 HAYS

Recorded By D. SCHMIDT

Witnessed By ROBERT HENDRIX

Run No. Bit From To Size Wgt. From To

ONE 12.25" 0' 224' 8.625" 23# 0' 224'

TWO 7.875" 224' TD

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

COLLYER,
SOUTH TO K RD, 1 WEST, 1 SOUTH, 2 WEST,
SOUTHWEST INTO

Log Measured From: KELLY BUSHING 10 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew

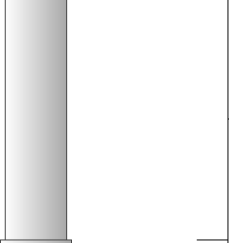
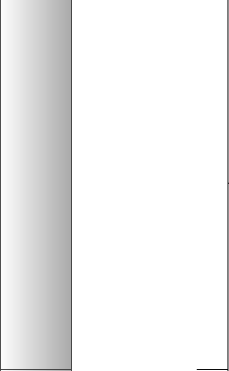
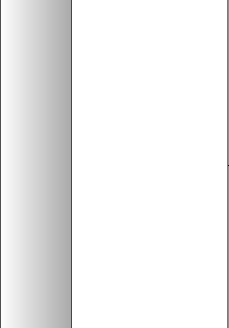
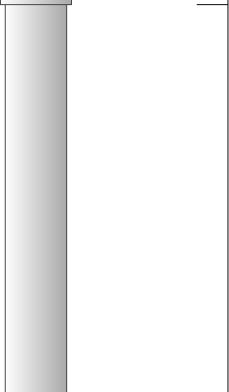
Engineer: D. SCHMIDT
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: ROBERT HENDRIX
Secondary Witness:
Secondary Witness:
Secondary Witness:

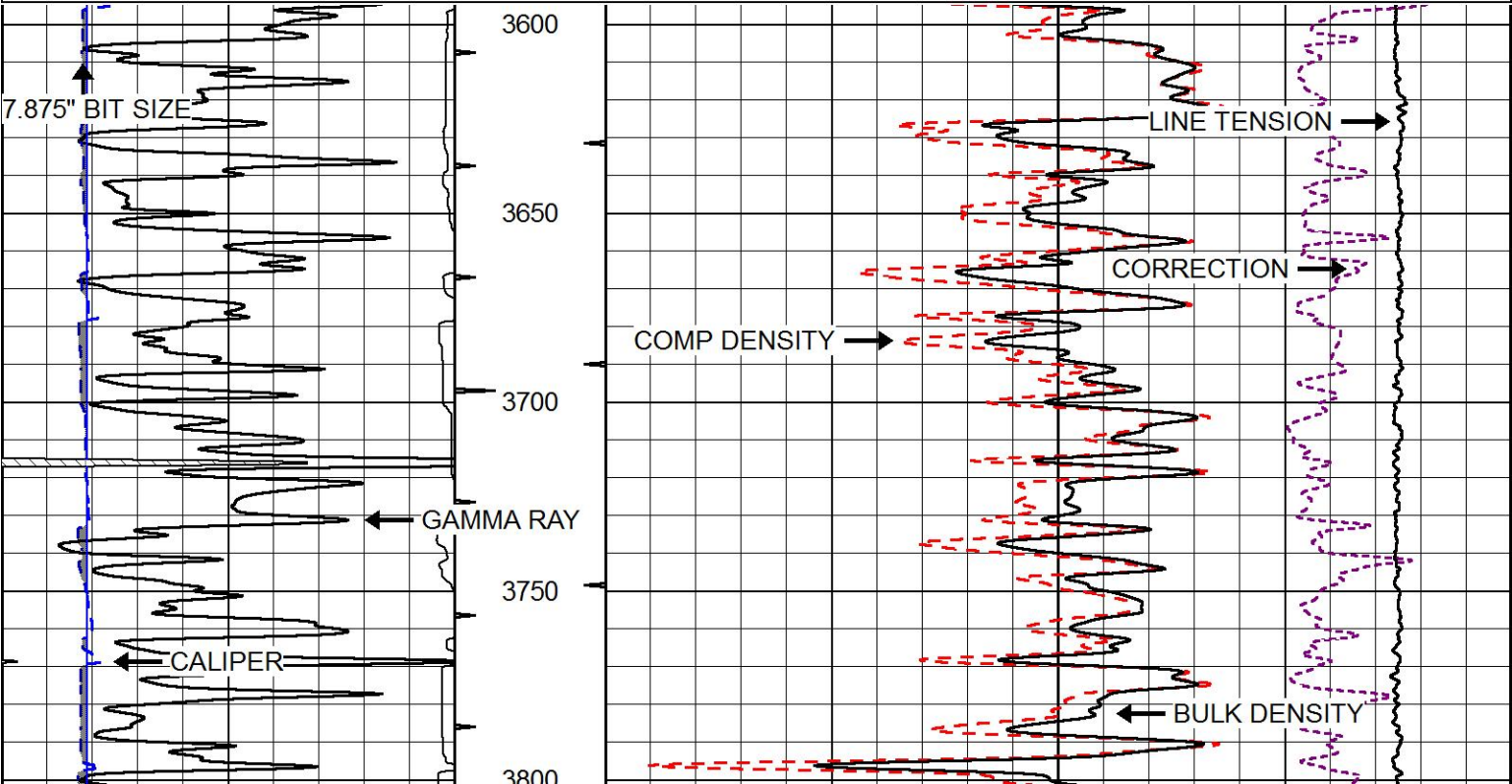
Top - Bottom

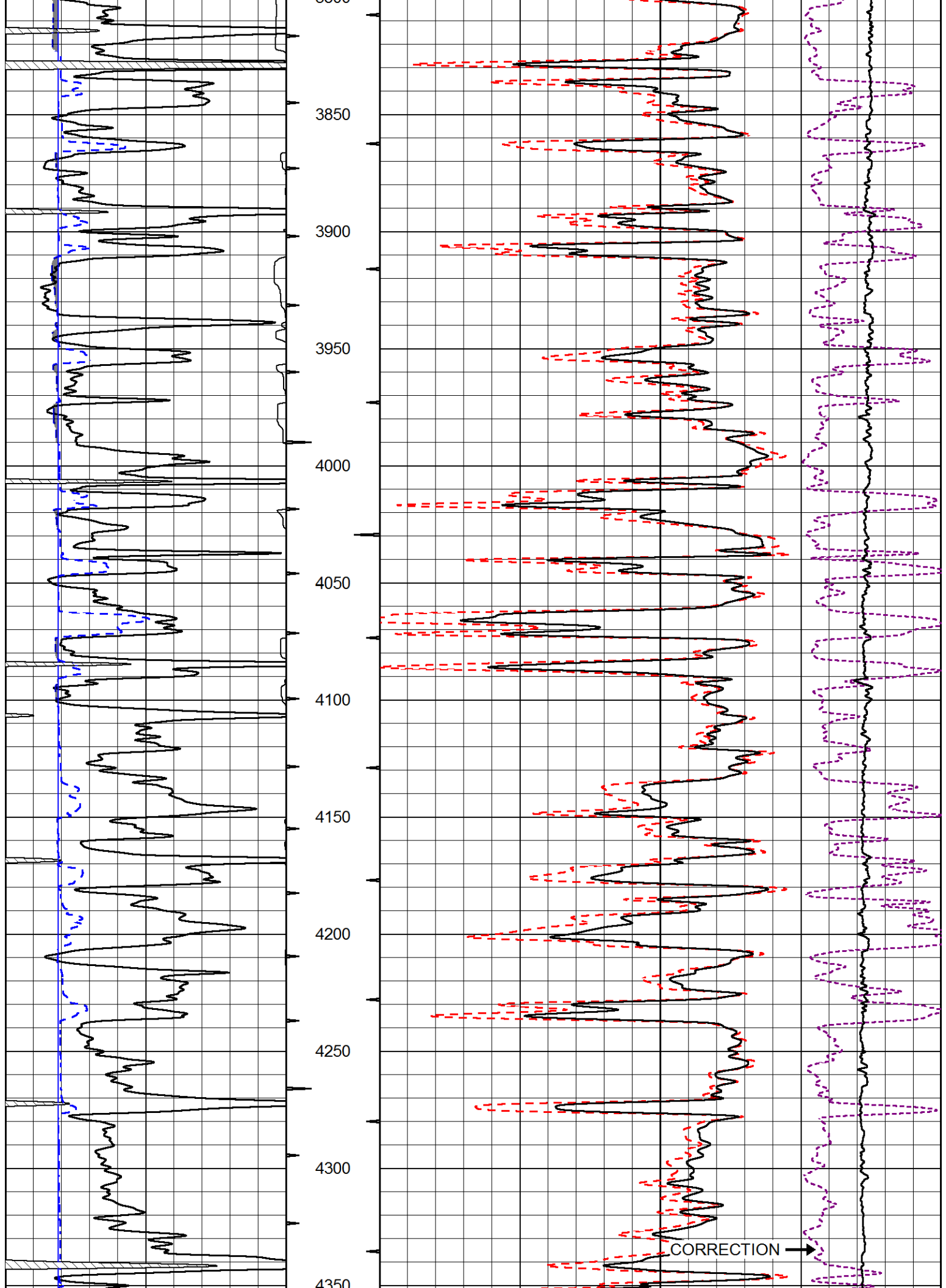
M	A	SZCOR	NPORSEL	FLUIDDEN g/cc	MATRXDEN g/cc	SPSHIFT mV	SNDERRM mmho/m
2	1	Off	Limestone	1	2.71	20	0
SNDERR mmho/m	SRFTEMP degF	CASETHCK in	CASEOD in	PERFS	TDEPTH ft	BOTTEMP degF	BOREID in
0	50	0	5.5	0	4568	122	7.875

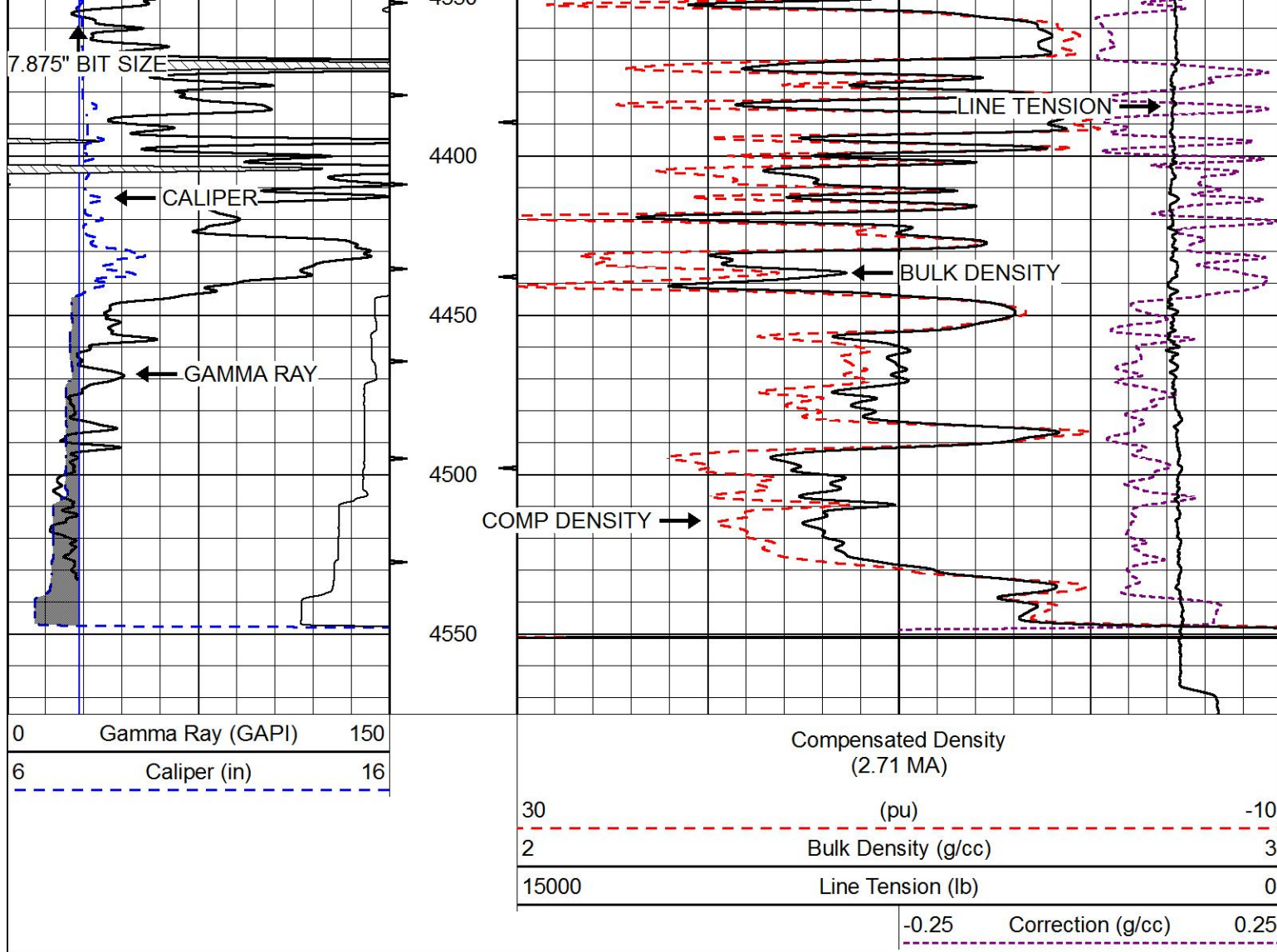
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58		GR-M&W (89)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73		CNT-M&W (207-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93		CDL-M&W (227-771)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83		ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00
RLL3F RLL3	15.80 15.80					

			DIL-PSI HIGH TEMP (967 (HT))	18.50	3.50	220.00
CILD	8.00					
CILM	4.70					
SP	0.20					
Dataset: brito_werth 1-35.db: field/well/STKML/pass4.1 Total length: 43.08 ft Total weight: 685.00 lb O.D.: 4.00 in						

 PIONEER Pioneer Energy Services			MAIN PASS		
Database File			brito_werth 1-35.db		
Dataset Pathname			STKML/pass4.1		
Presentation Format			cdl		
Dataset Creation			Fri Mar 09 23:38:32 2018		
Charted by			Depth in Feet scaled 1:600		
0	Gamma Ray (GAPI)	150	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		
6	Caliper (in)	16			

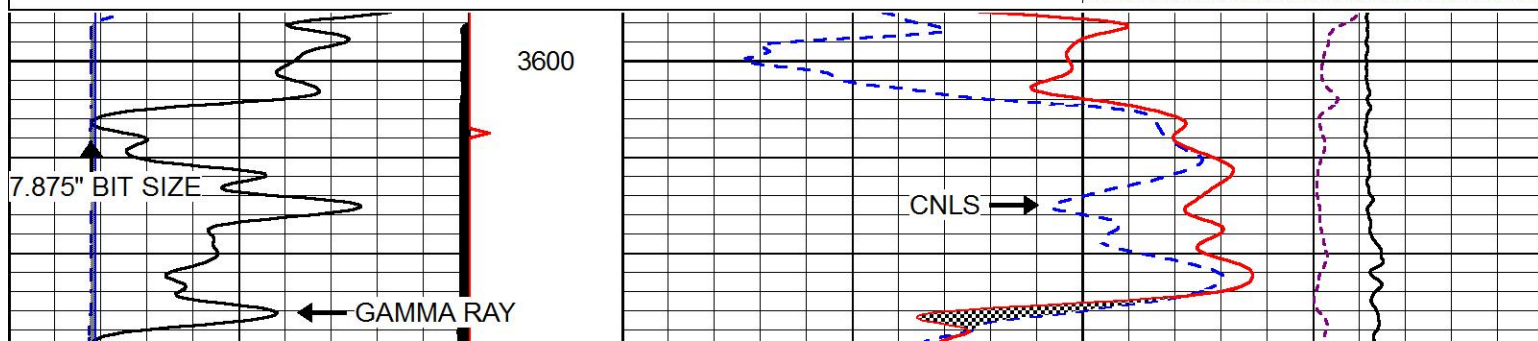
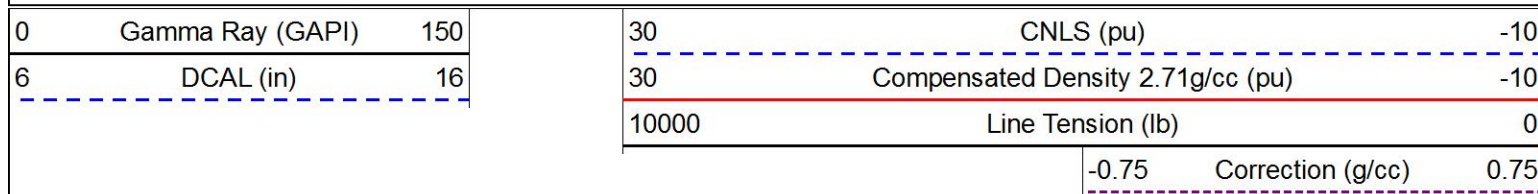


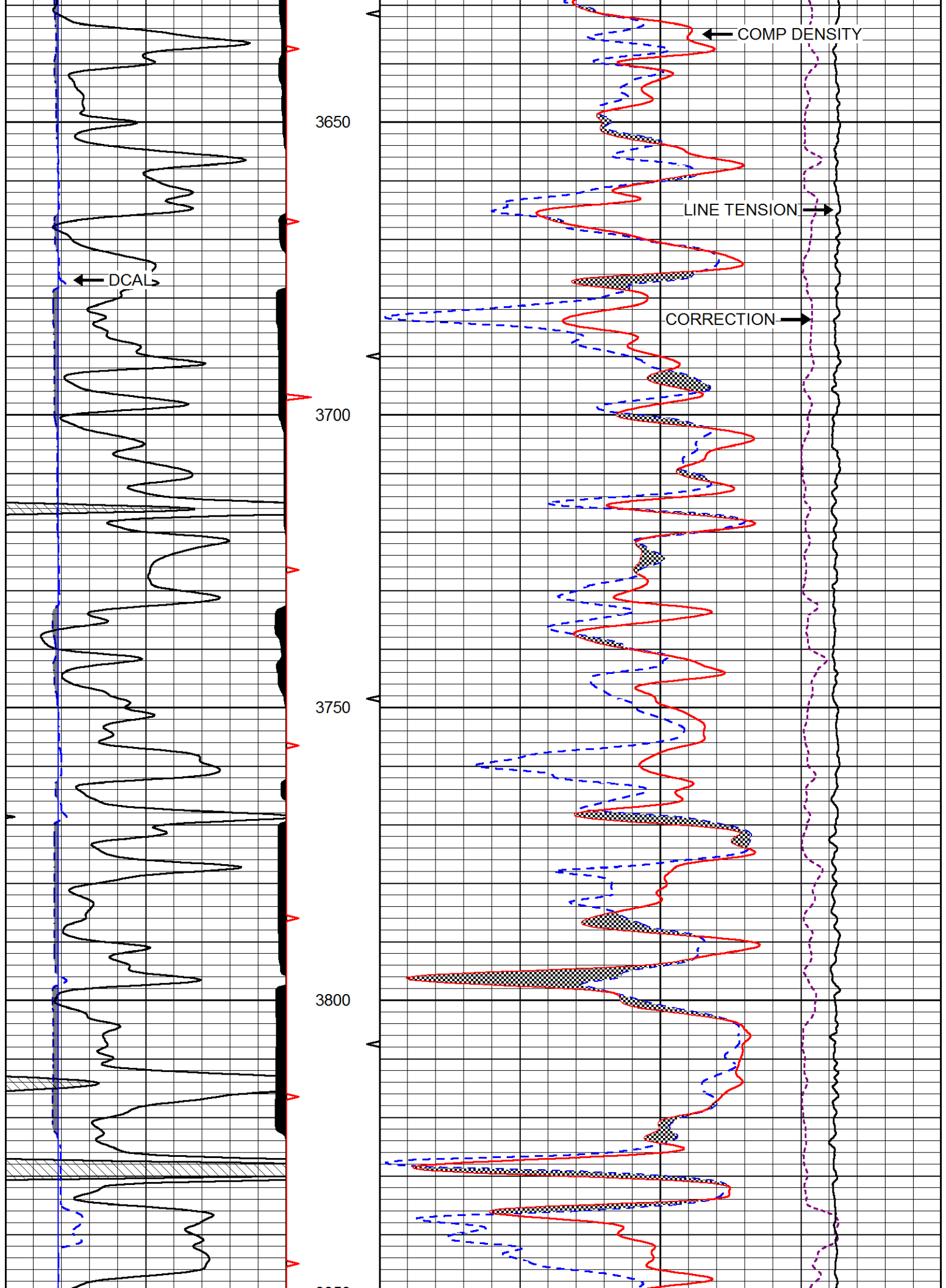


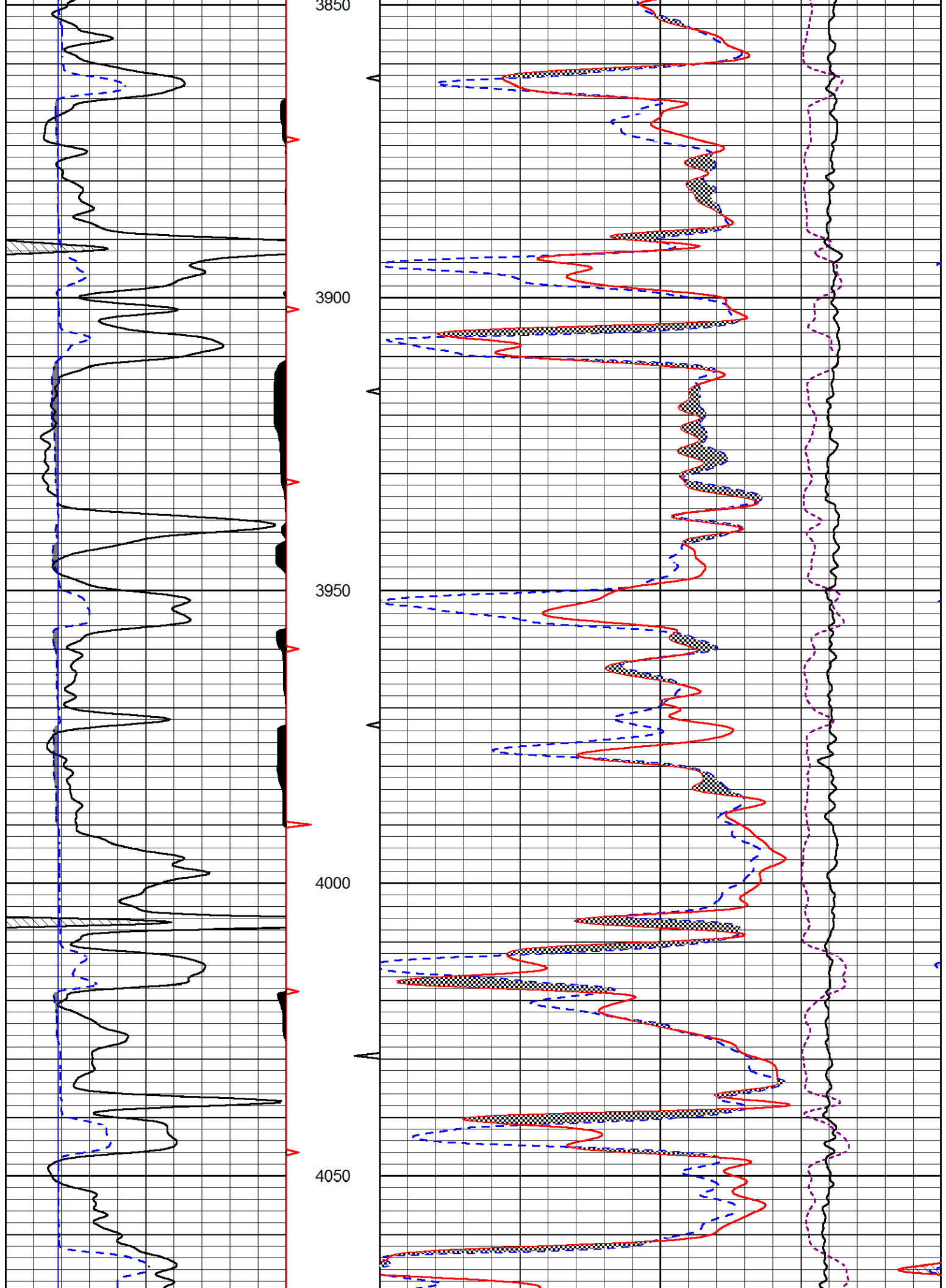


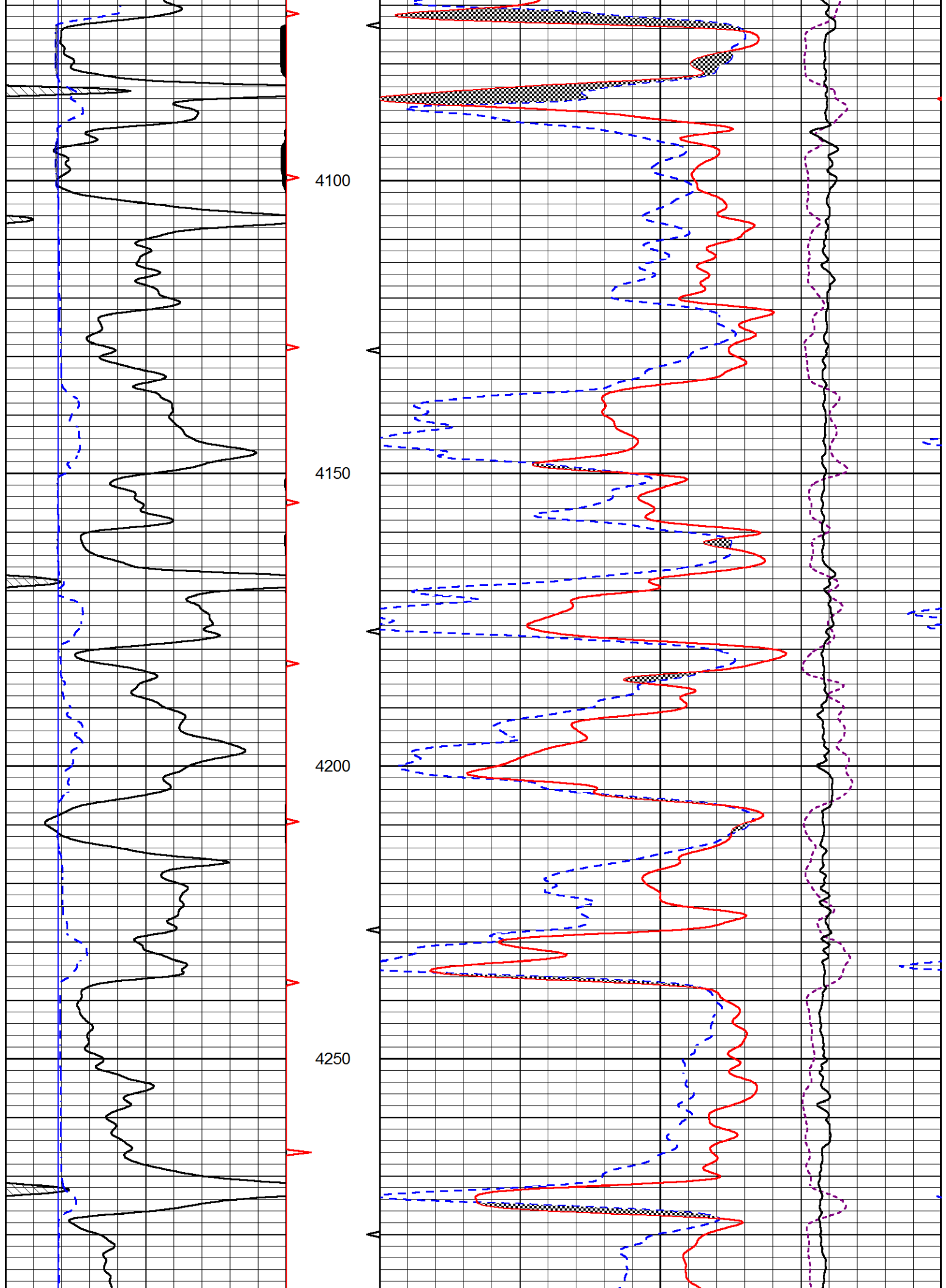
MAIN PASS

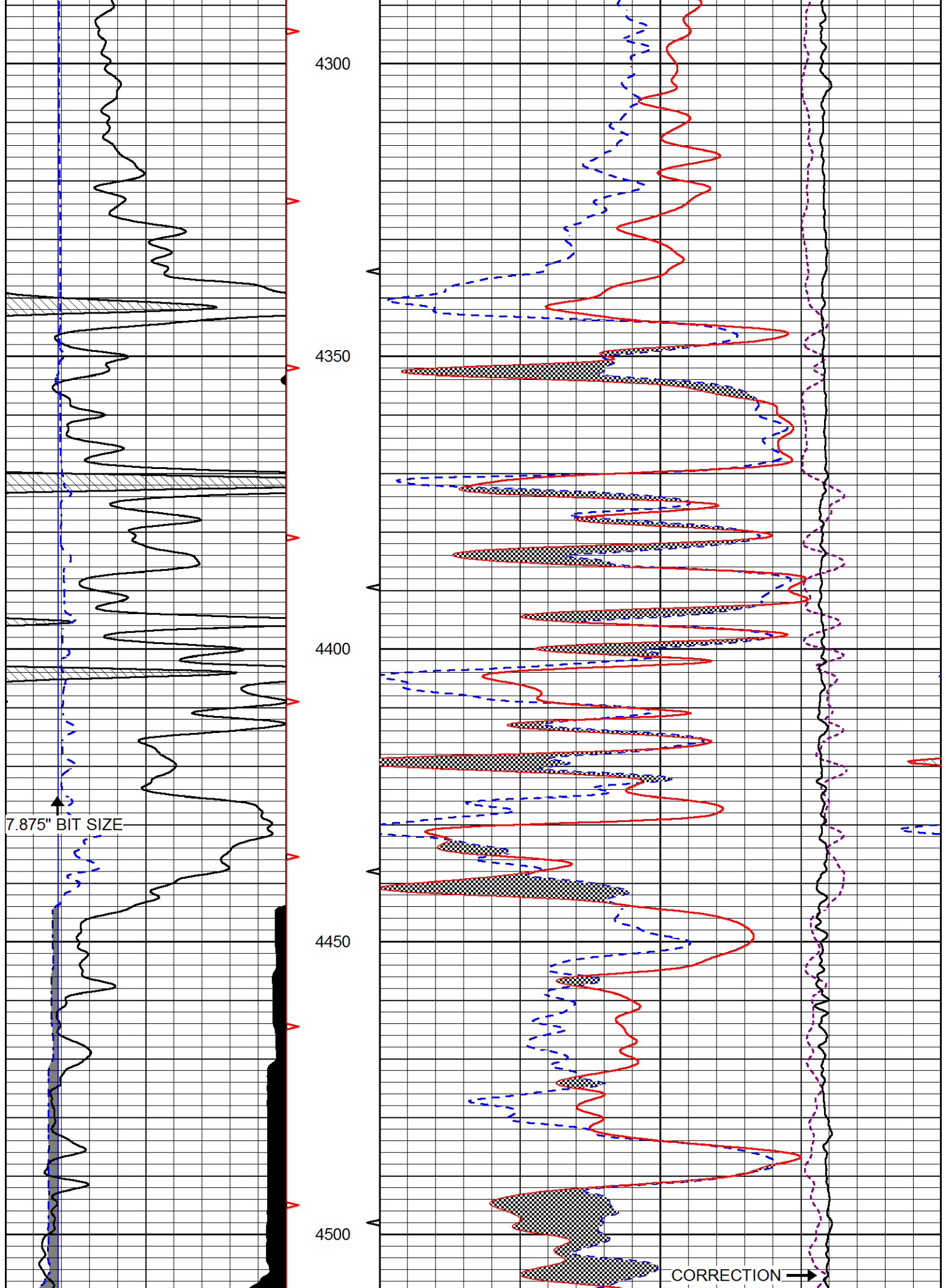
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 Dataset Pathname STKML/pass4.1
 Presentation Format cndlspec
 Dataset Creation Fri Mar 09 23:38:32 2018
 Charted by Depth in Feet scaled 1:240

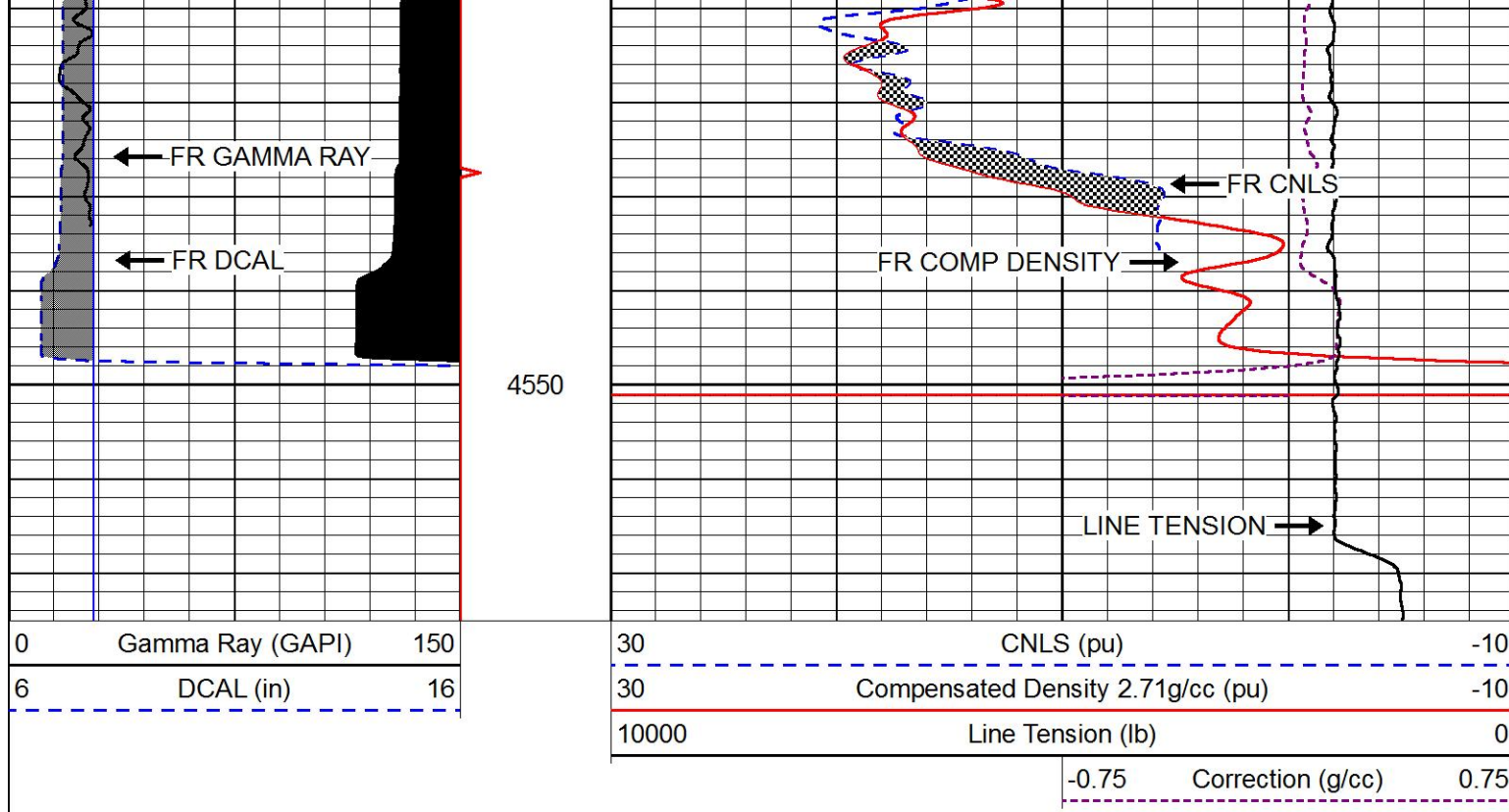






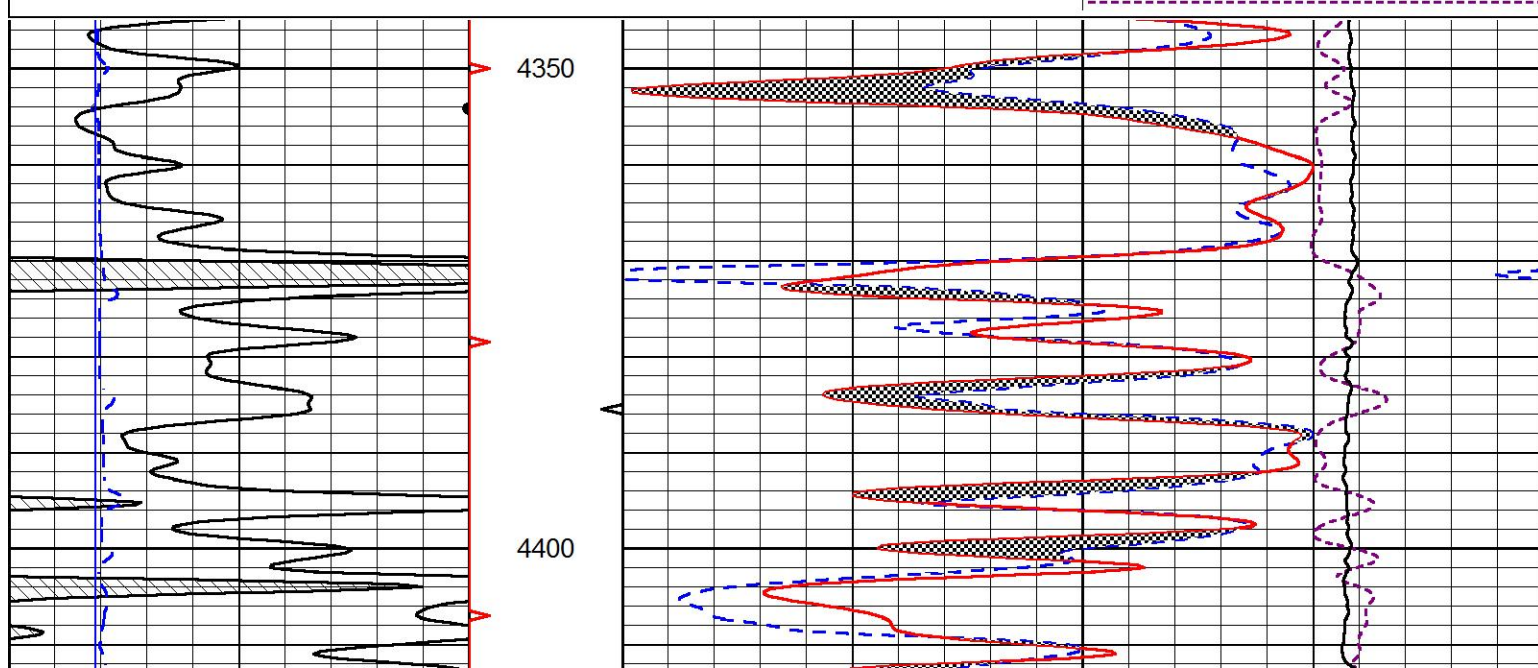
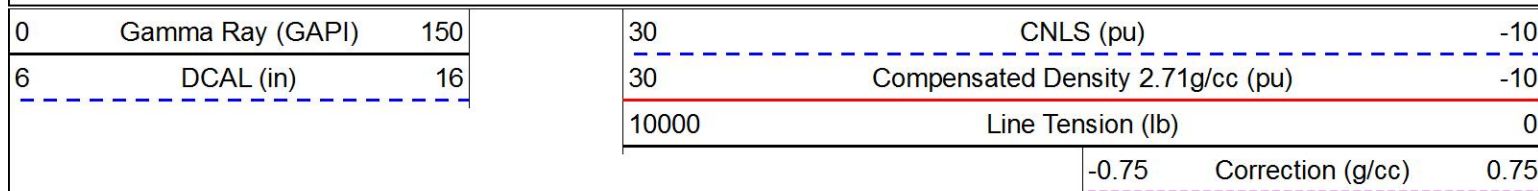


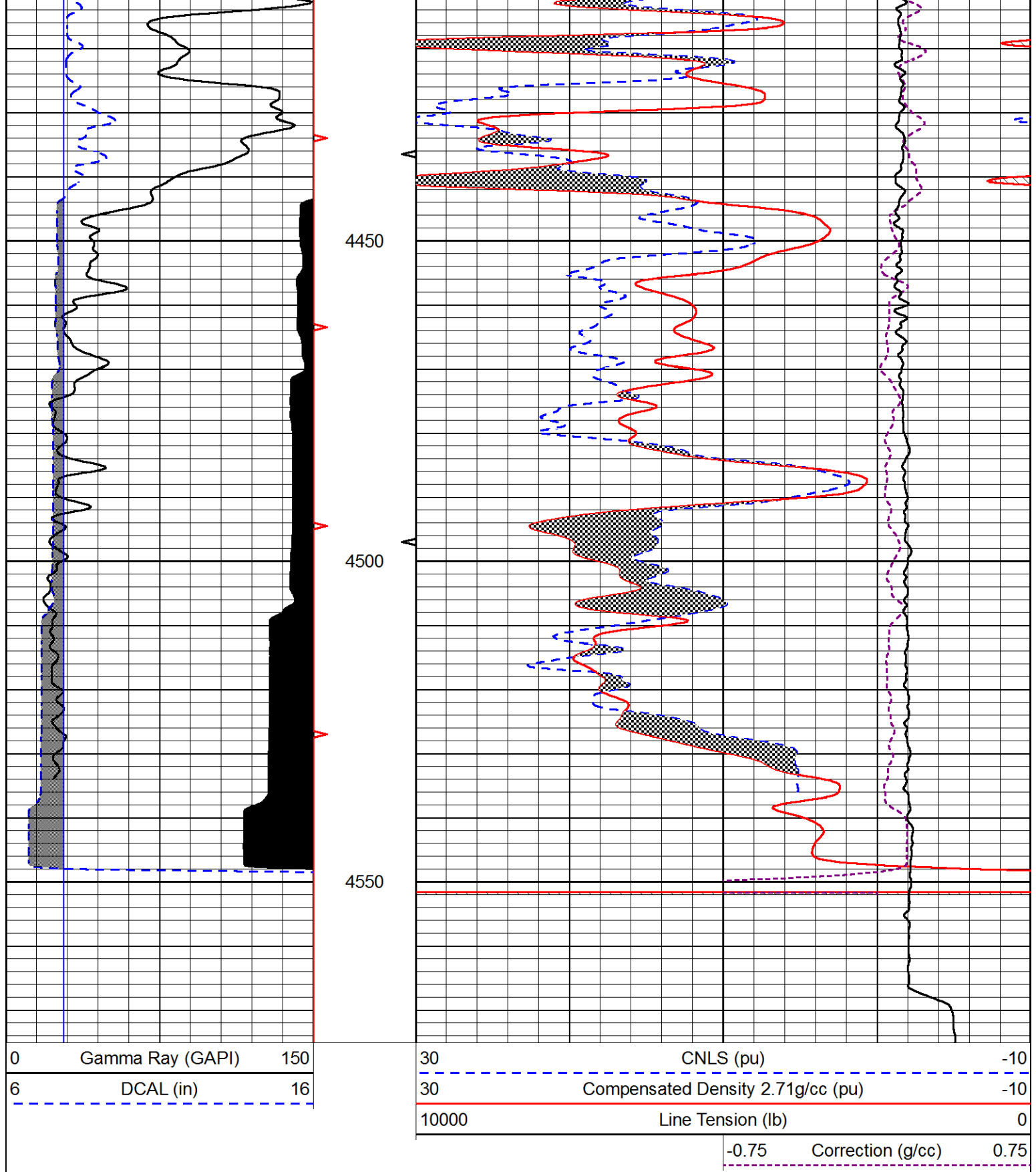




REPEAT SECTION

Database File	brito_werth 1-35.db
Dataset Pathname	STKML/pass3.1
Presentation Format	cnlspec
Dataset Creation	Fri Mar 09 23:40:09 2018
Charted by	Depth in Feet scaled 1:240





Calibration Report

Database File brito_werth 1-35.db
Dataset Pathname STKML/pass4.1
Dataset Creation Fri Mar 09 23:38:32 2018

Dual Induction Calibration Report

Serial-Model: 967 (HT)-PSI HIGH TEMP
Calibration Performed: Fri Mar 09 21:20:21 2018

Calibrator Reading:

1.0

cps

Sensitivity:

0.6000

GAPI/cps



Company	BRITO OIL COMPANY, INC.
Well	WERTH #1-35
Field	WILDCAT
County	GOVE
State	KANSAS