



PIONEER

Pioneer Energy Services

DUAL COMP POROSITY LOG

Company PICKRELL DRILLING COMPANY, NC.
Well ALBIN "I" NO. 3
Field CASTLE ROCK
County GOVE
State KANSAS

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Location: API #: 15-063-22296-00-00
1,505' FSL & 1,675' FWL
SEC 28 TWP 14S RGE 27W
Permanent Datum GROUND LEVEL Elevation 2470'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING
Other Services
DIL
MEL
Elevation
K.B. 2477'
D.F. N/A
G.L. 2470'

Date 11/11/2016

Run Number ONE
Type Log CNL/CDL
Depth Driller 4305'
Depth Logger 4303'
Bottom Logged Interval 4300'
Top Logged Interval 3400'
Type Fluid In Hole CHEMICAL
Salinity, PPM CL 3000
Density 9.5
Level FULL
Max. Rec. Temp. F 119 DEG F.
Operating Rig Time 2 1/2 HOURS
Equipment -- Location 108 COLBY
Recorded By J. LONG
Witnessed By AARON YOUNG

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	12.25"	00'	207'	8.625"	23#	00'	207'
TWO	7.875"	207'	TD				

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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.

PARK (I-70 PARK EXIT), 2 1/2 SOUTH, 2 EAST, 18 1/4 SOUTH, EAST INTO

Log Measured From: KELLY BUSHING 7 Ft. Above Permanent Datum

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

Your Pioneer Energy Services Crew

Engineer: J. LONG
Operator: M. HISS
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: AARON YOUNG
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 119	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV -245	degF 58	Off	ft 4303

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58			GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC	37.48			CNT-M&W (tk10-MW)	5.50	3.50	100.00
CNSSC	36.73						
LSD	28.43			CDL-M&W (168-986)	8.50	4.00	250.00
	DCAL						
	SSD						
MCAL	19.83			ML-PSI STKBL ML (PSI-02) Stackable Microlog Tools	7.58	4.00	65.00
	MI						
	MN						
RLL3	15.80						
RLL3F	15.79						
CILD	8.00			DIL-M&W (1987)	18.50	3.50	220.00

CILM

4.70

SP

0.20

Dataset: pickrelldrilling_albin_i_3.db: field/well/stackmel/pass3
Total length: 43.08 ft
Total weight: 685.00 lb
O.D.: 4.00 in

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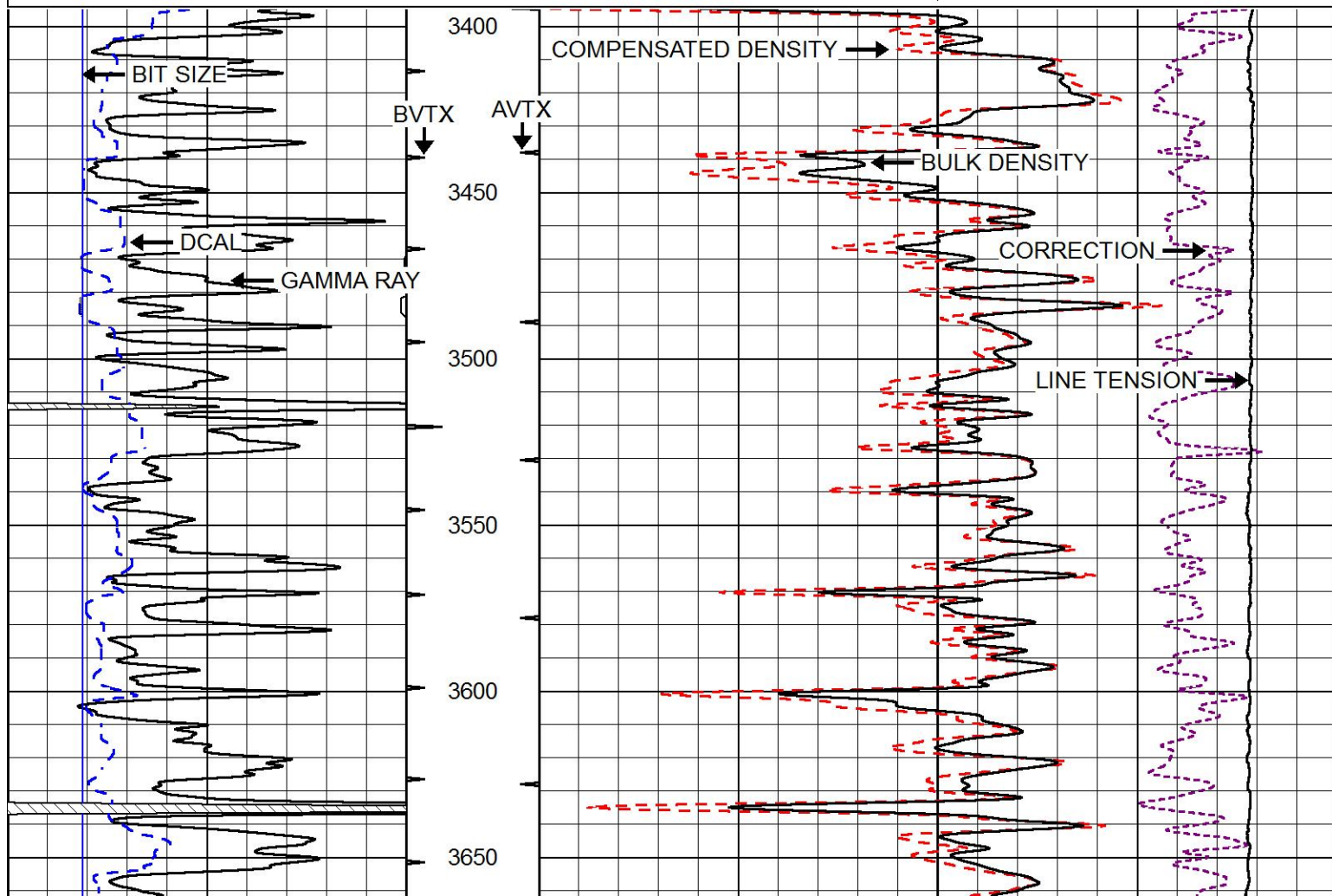
2" SCALE BULK DENSITY

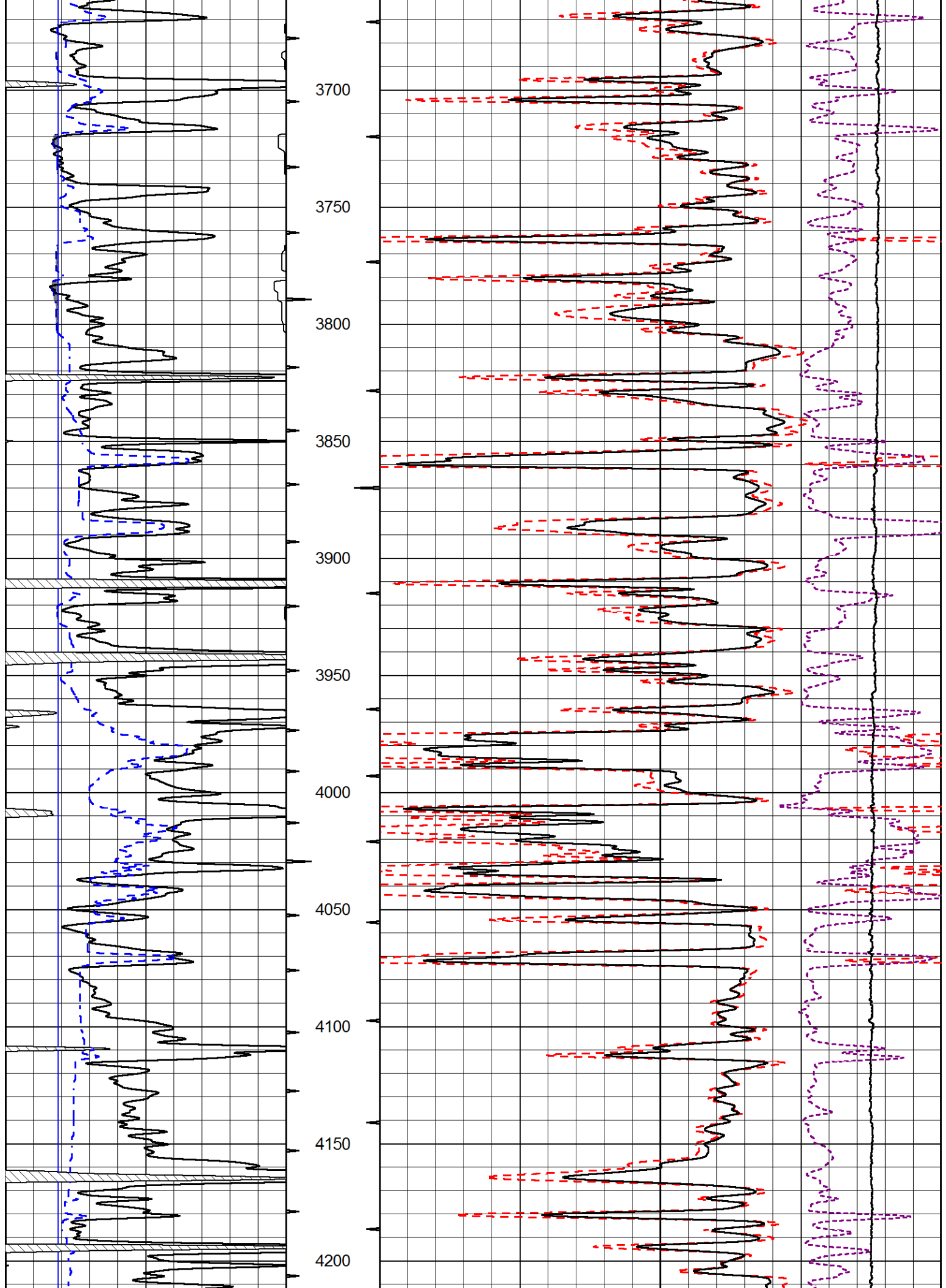
MAIN PASS

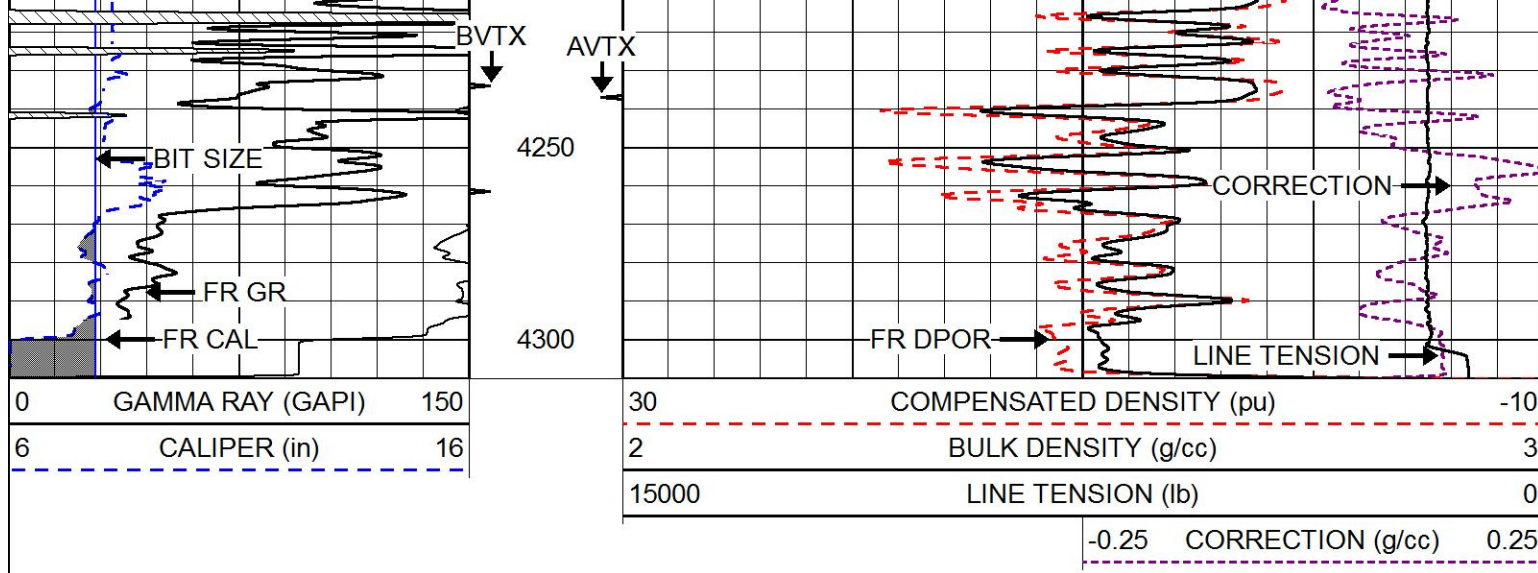
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Dataset Pathname stackmel/pass3.3
Presentation Format cdl
Dataset Creation Fri Nov 11 15:46:35 2016
Charted by Depth in Feet scaled 1:600

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

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

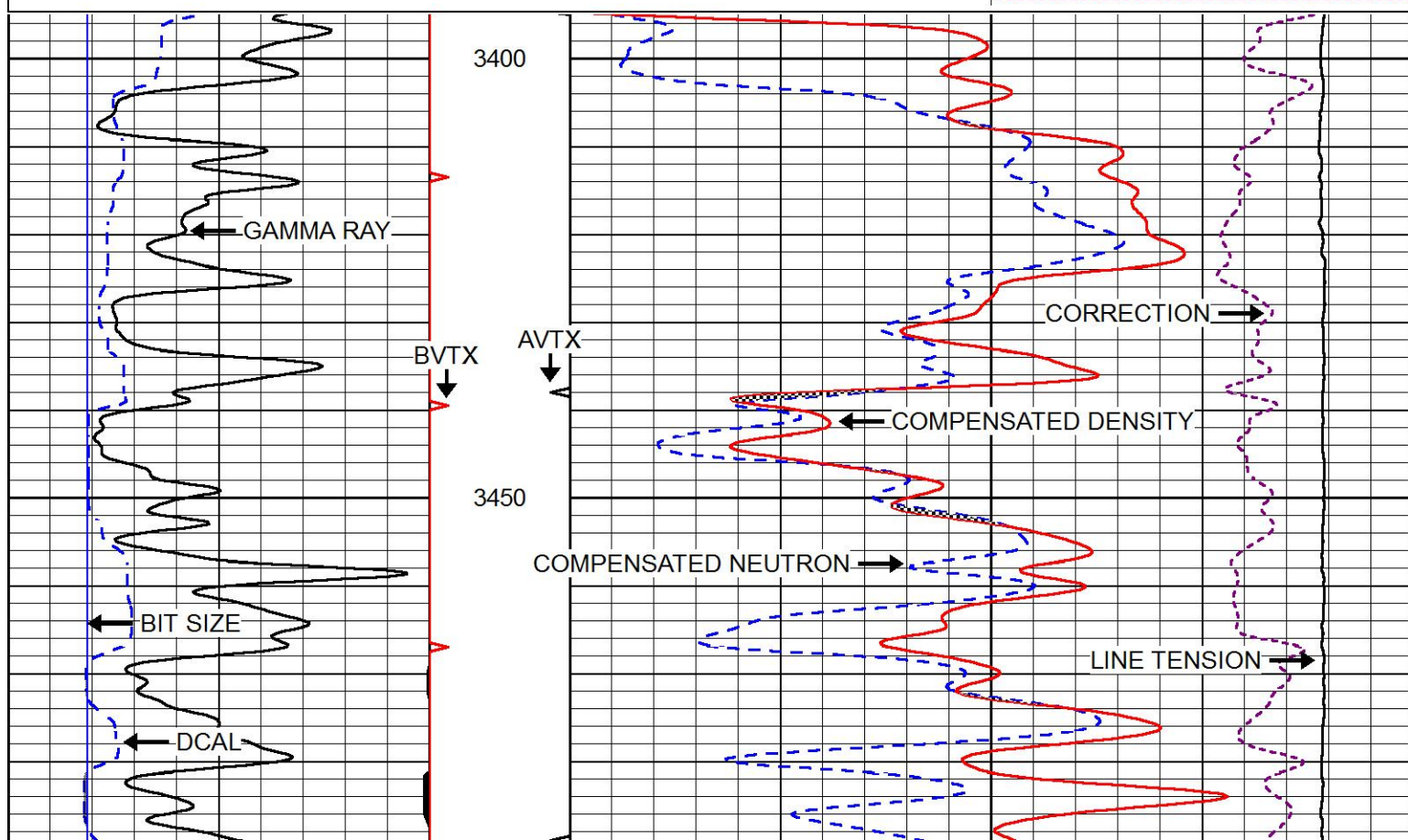
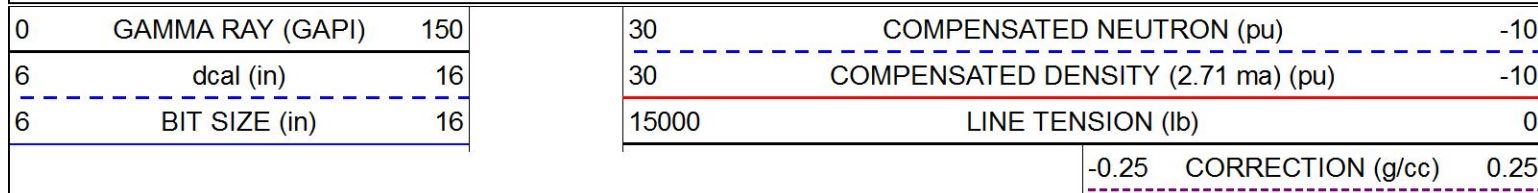


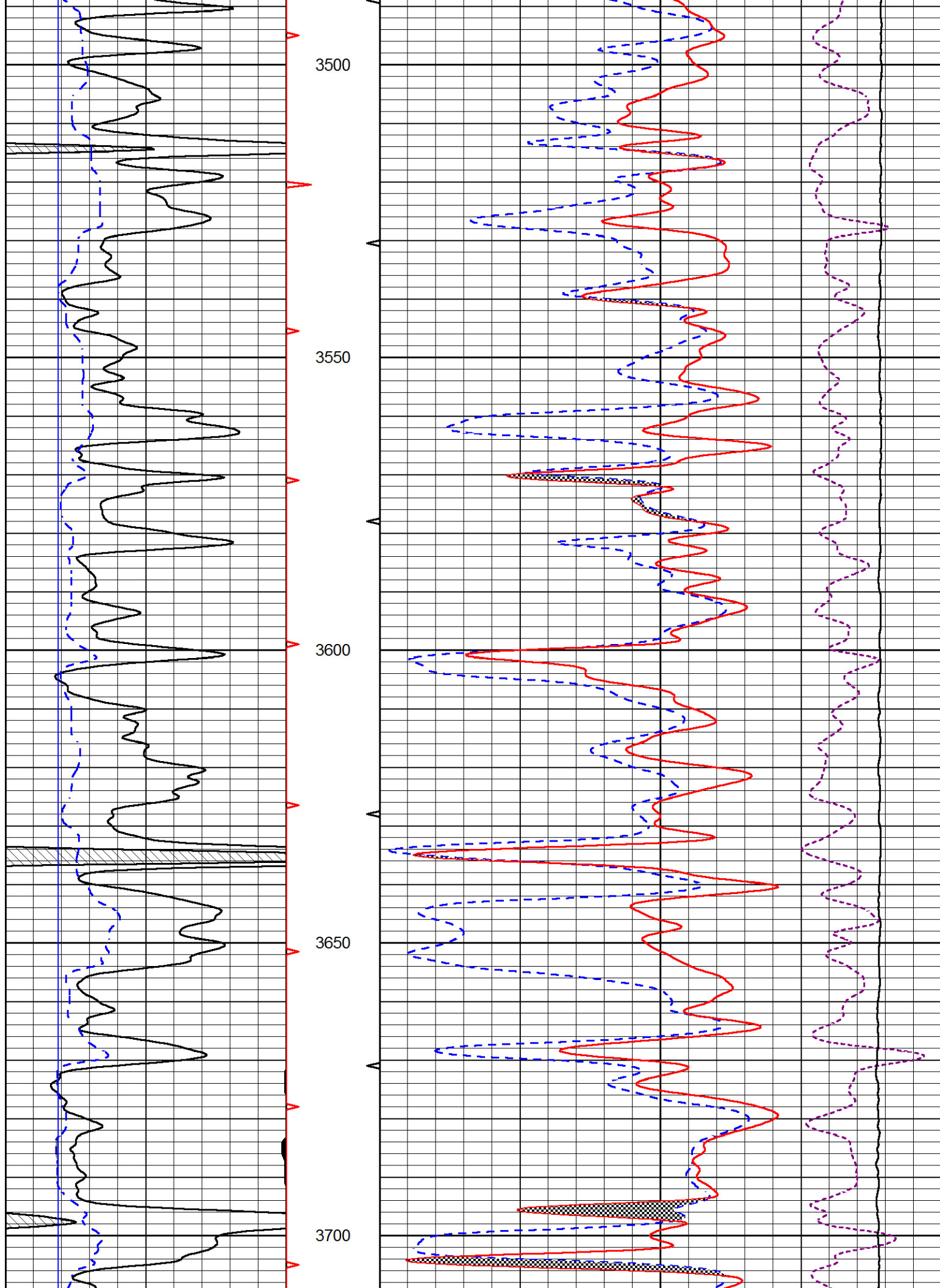


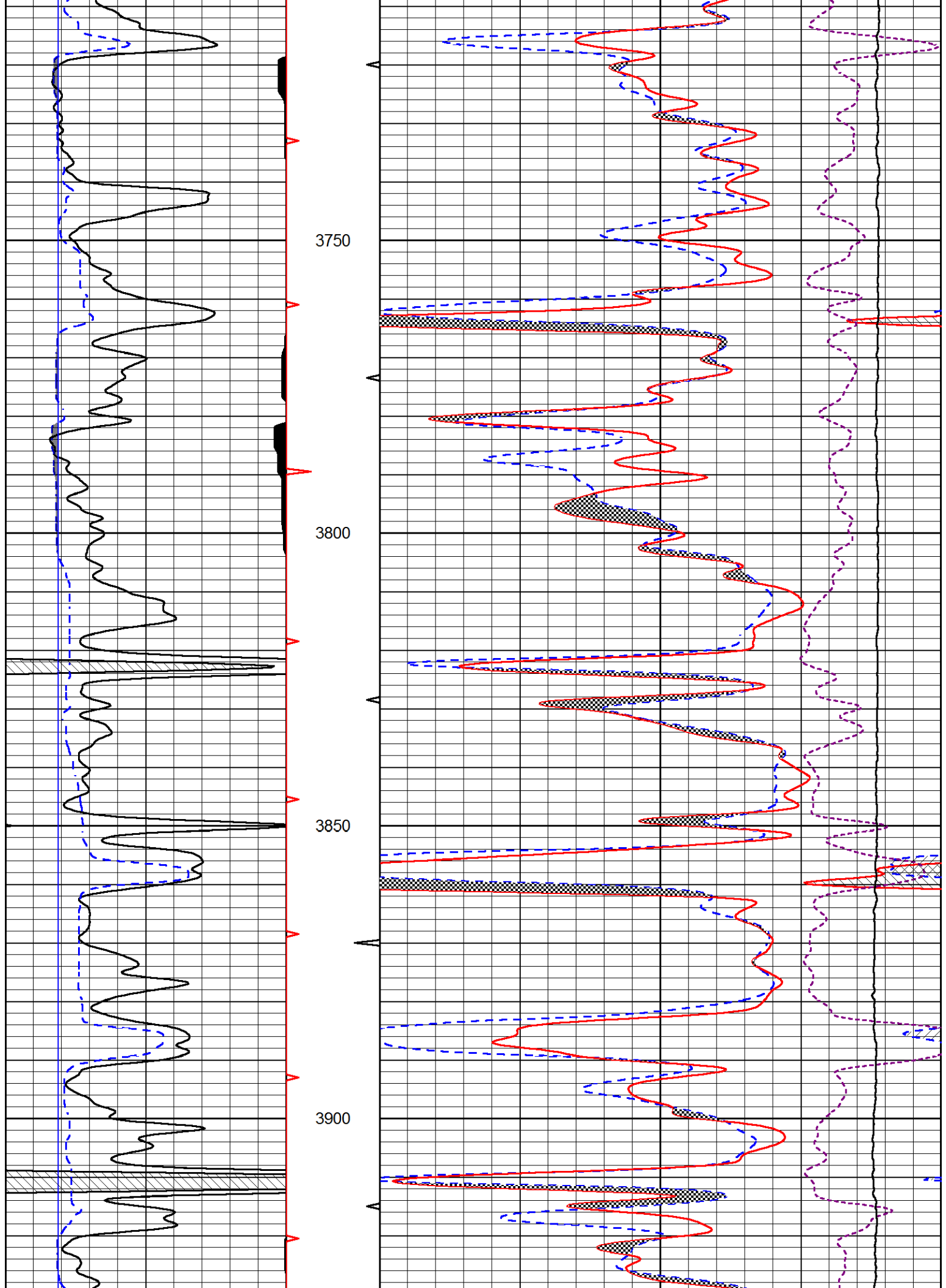


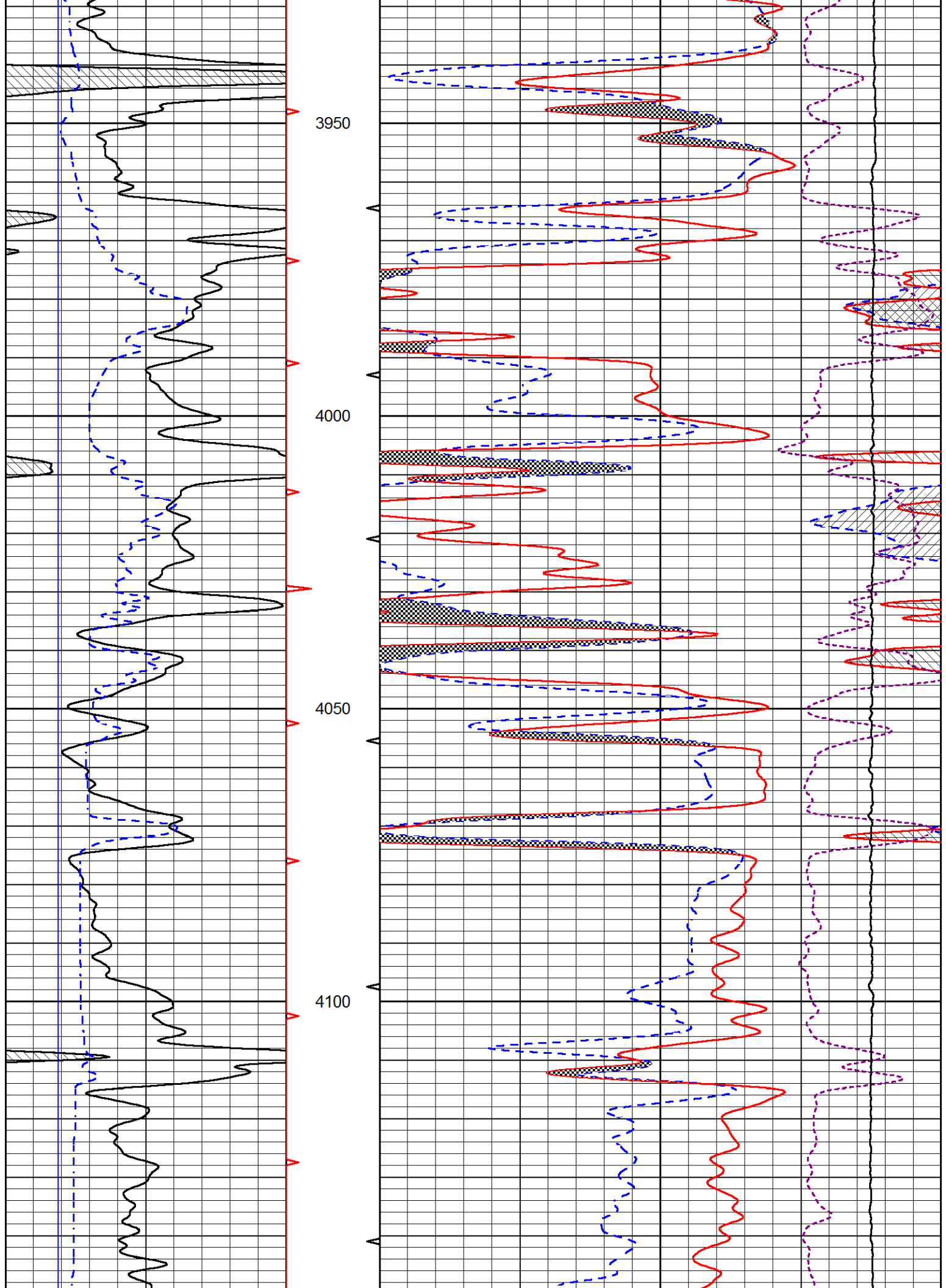
MAIN PASS

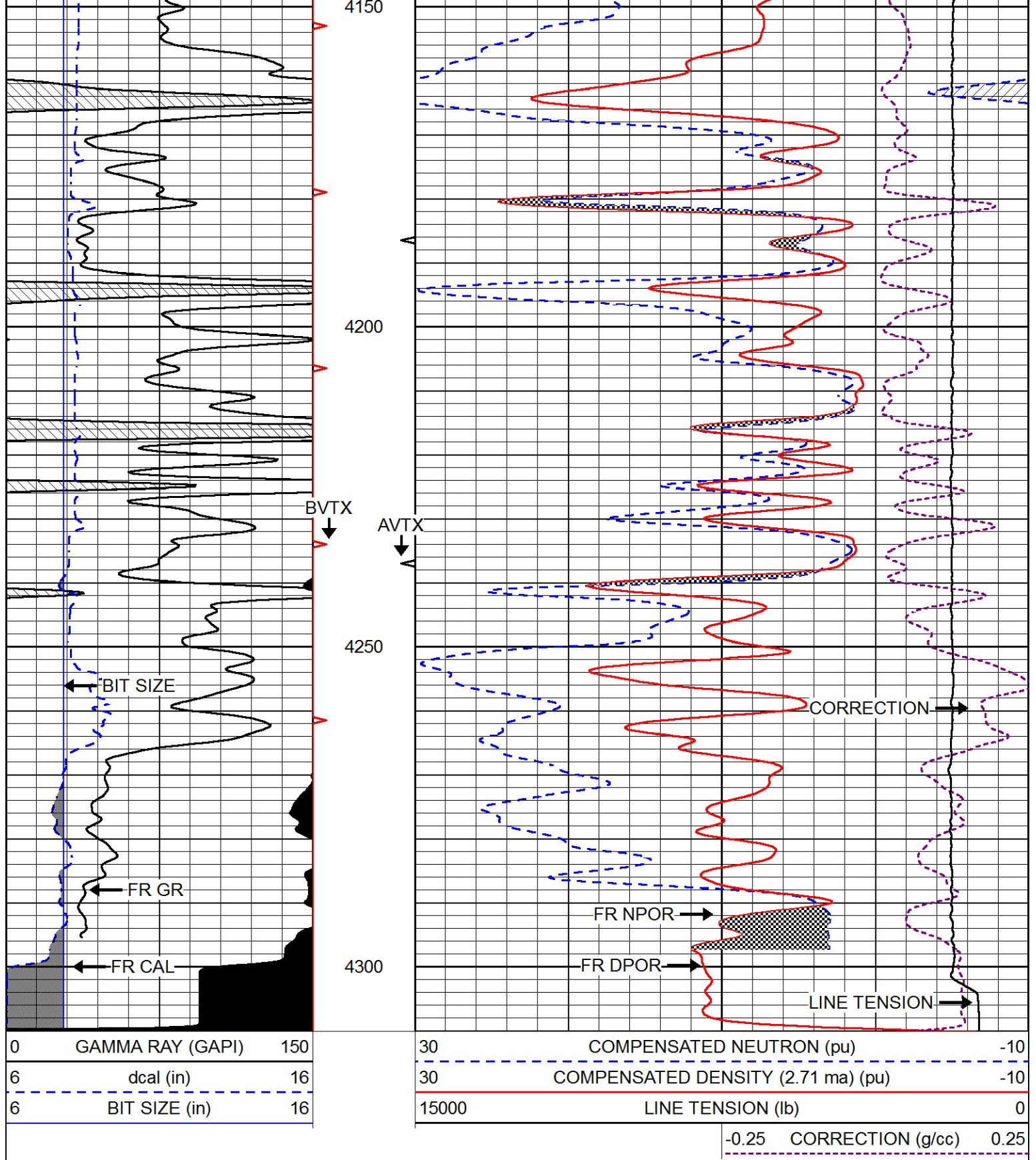
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 Dataset Creation Fri Nov 11 15:46:09 2016
 Charted by Depth in Feet scaled 1:240









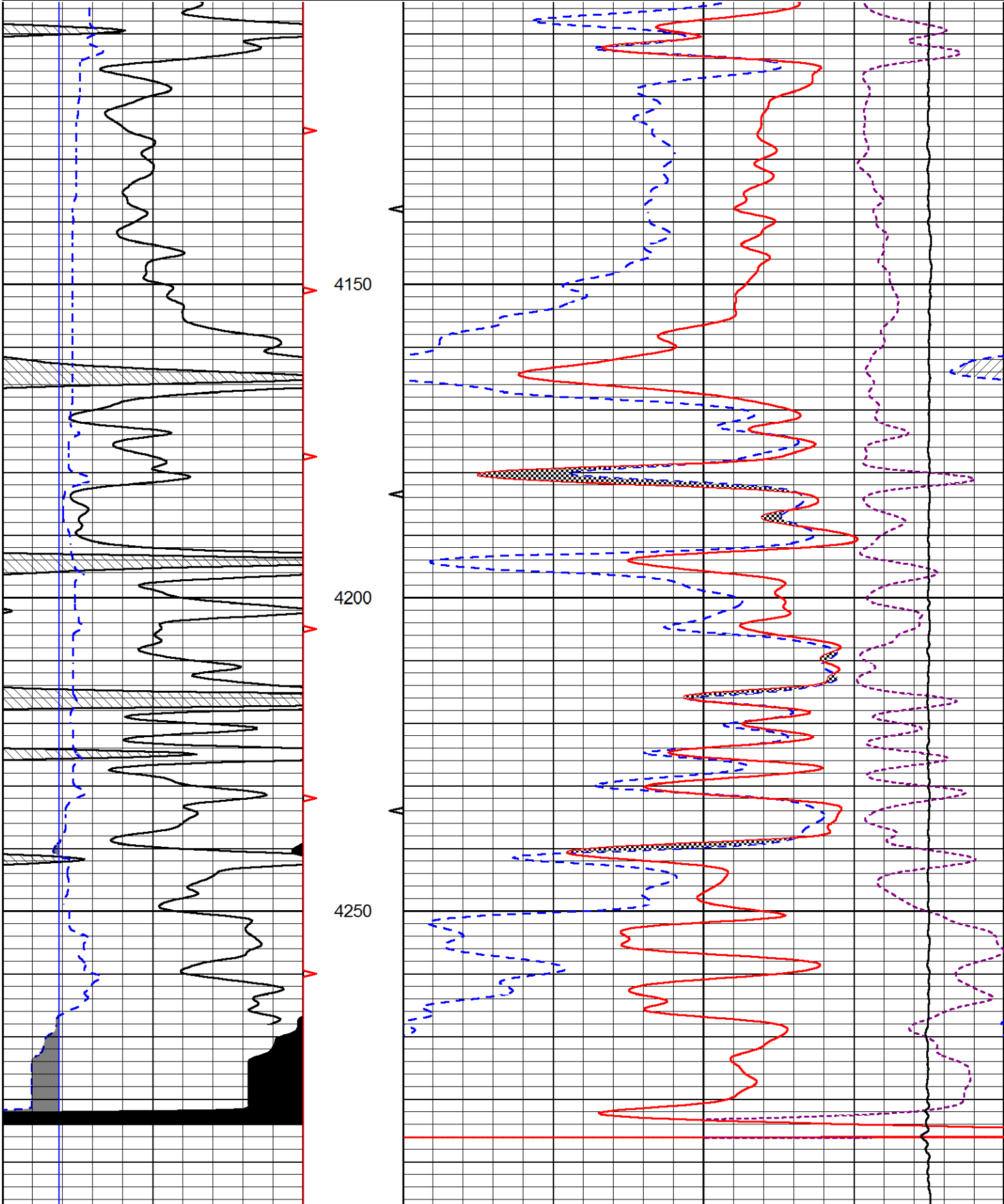


REPEAT SECTION

Database File: pickrelldrilling_albin_i_3.db
 Dataset Pathname: stackmel/pass2.1
 Presentation Format: cndlspec
 Dataset Creation: Fri Nov 11 15:45:46 2016

0	GAMMA RAY (GAPI)	150
6	dcal (in)	16
6	BIT SIZE (in)	16

30	COMPENSATED NEUTRON (pu)	-10
30	COMPENSATED DENSITY (2.71 ma) (pu)	-10
15000	LINE TENSION (lb)	0
-0.25 CORRECTION (g/cc) 0.25		



Gamma Ray Calibration Report

Serial Number:	89-M&W	
Tool Model:	M&W	
Calibration Performed:	Fri Sep 30 22:06:47 2016	
Calibrator Value:	1000.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	6.2	cps
Sensitivity:	0.5200	GAPI/cps



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