MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Alan Vonfeldt Oil
Well Boxberger H #17
Field Hall-Gurney
County Russell
State Kansas

Location: API # : 15-167-24137-00-00
E2 NW NW SW
2310 FSL & 360 FWL
SEC 3 TWP 14S RGE 14W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 1829
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation
K.B. 1837
D.F.
G.L. 1829

Date	12/10/2023						
Run Number	One						
Type Log	CNL/CDL						
Depth Driller	3220						
Depth Logger	3216						
Bottom Logged Interval	3215						
Top Logged Interval	2300						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	6300						
Density	9.0						
Level	190						
Max. Rec. Temp. F	108						
Operating Rig Time	3 Hours						
Equipment -- Location	P-108 HAYS						
Recorded By	Justin Trout						
Witnessed By	Herb Deines						

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	440	8.625	23	0	440
Two	7.875	440	TD				

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

Russell, Ks South on 283 to I 70 Rd, West to 184th,
North 1/4 East into

Log Measured From: Kelly Bushing Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew	This Log Record Was Witnessed By
Engineer: Justin Trout	Primary Witness: Herb Deines
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
GR	40.33		GR-M&W (105)	3.00	3.50	50.00
CNLSC	37.23		CNT-M&W (210)	5.00	3.50	100.00
CNSSC	36.48					
			CDL-M&W (303-03)	8.50	4.00	250.00
LSD	28.18					
DCAL	28.17					
SSD	27.68					
			ML-PSI STKBL ML (402)	7.58	4.00	65.00
MCAL	19.58					
MI	19.58					
MN	19.58					
RLL3F	15.50					
RLL3	15.50					
			DIL-M&W (504 HT)	18.25	3.50	220.00
CILD	8.33					
CILM	4.50					
SP	0.20					

Dataset: alan vonfeldt oil_boxberger h #17.db: field/well/STKML/pass3.3
Total length: 42.33 ft
Total weight: 685.00 lb
O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\alan vonfeldt oil_boxberger h #17.db
Dataset field/well/STKML/pass3.3/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	108	5.5	0	1	2	2.71

NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	No	0	4	580	50	Off	3216

Variable Description

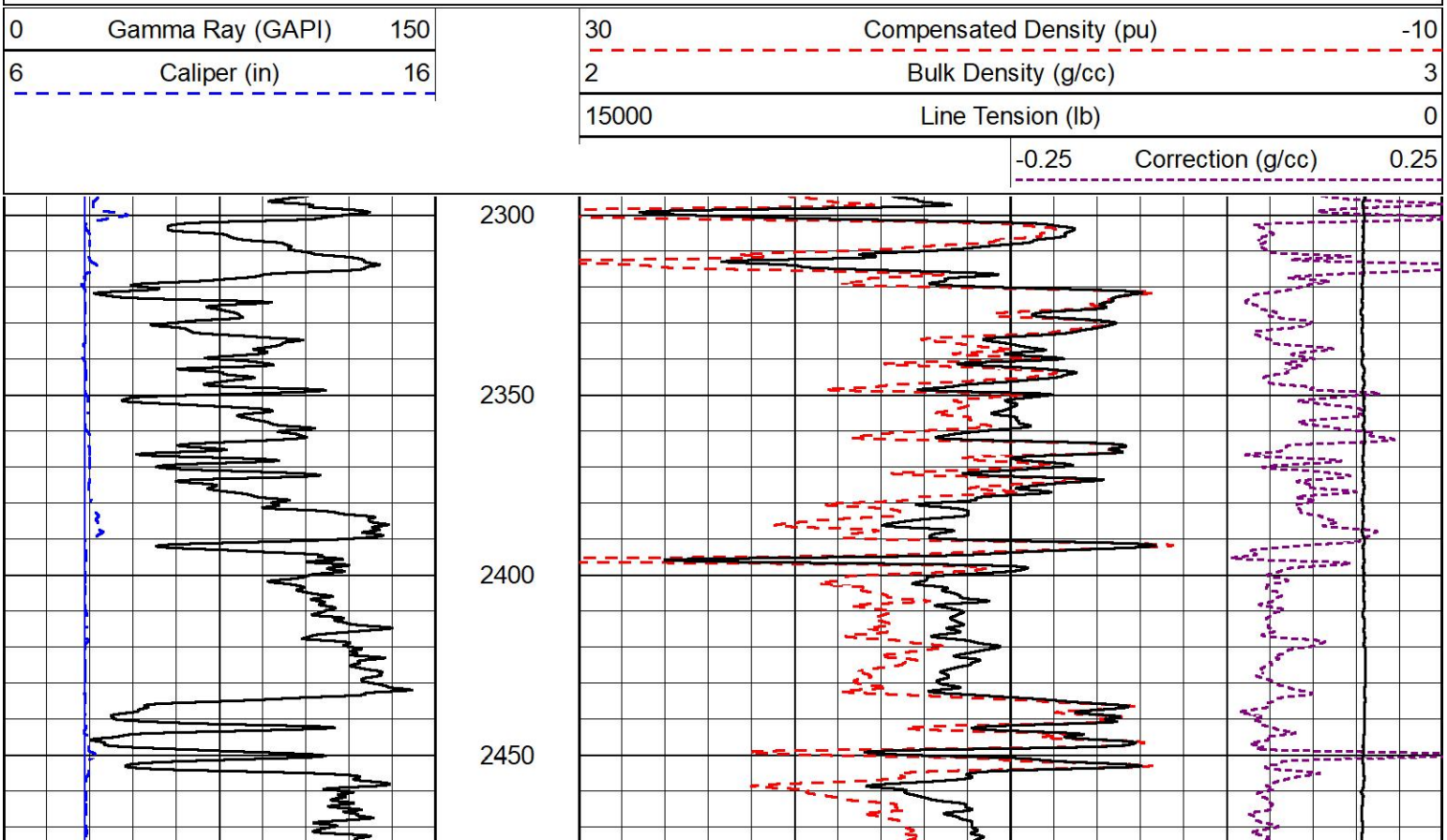
A : Cement Factor (a)
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
M : Cement Exp (m)
MATRXDEN : Matrix Density
NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

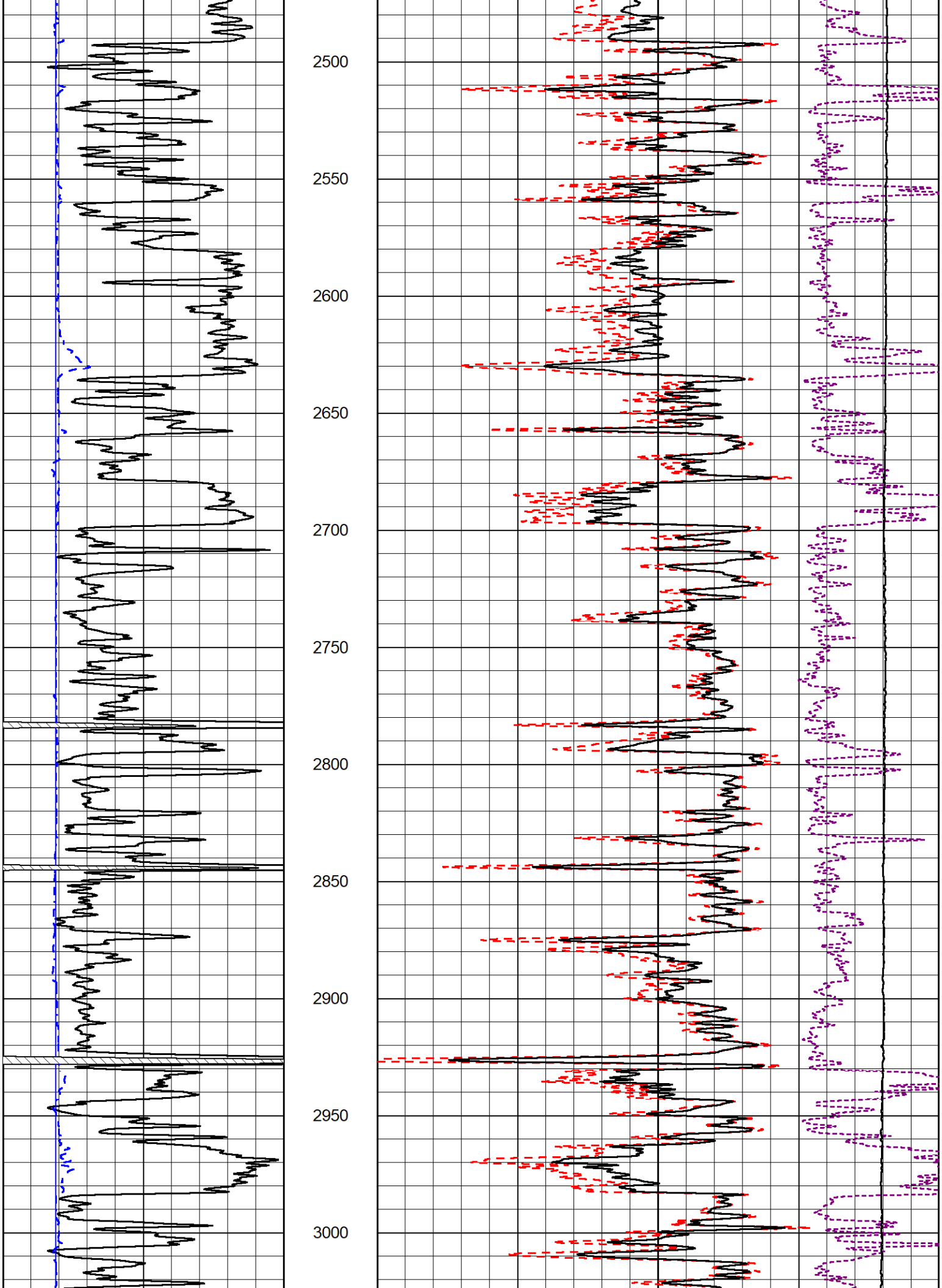
MIDWEST WIRELINE

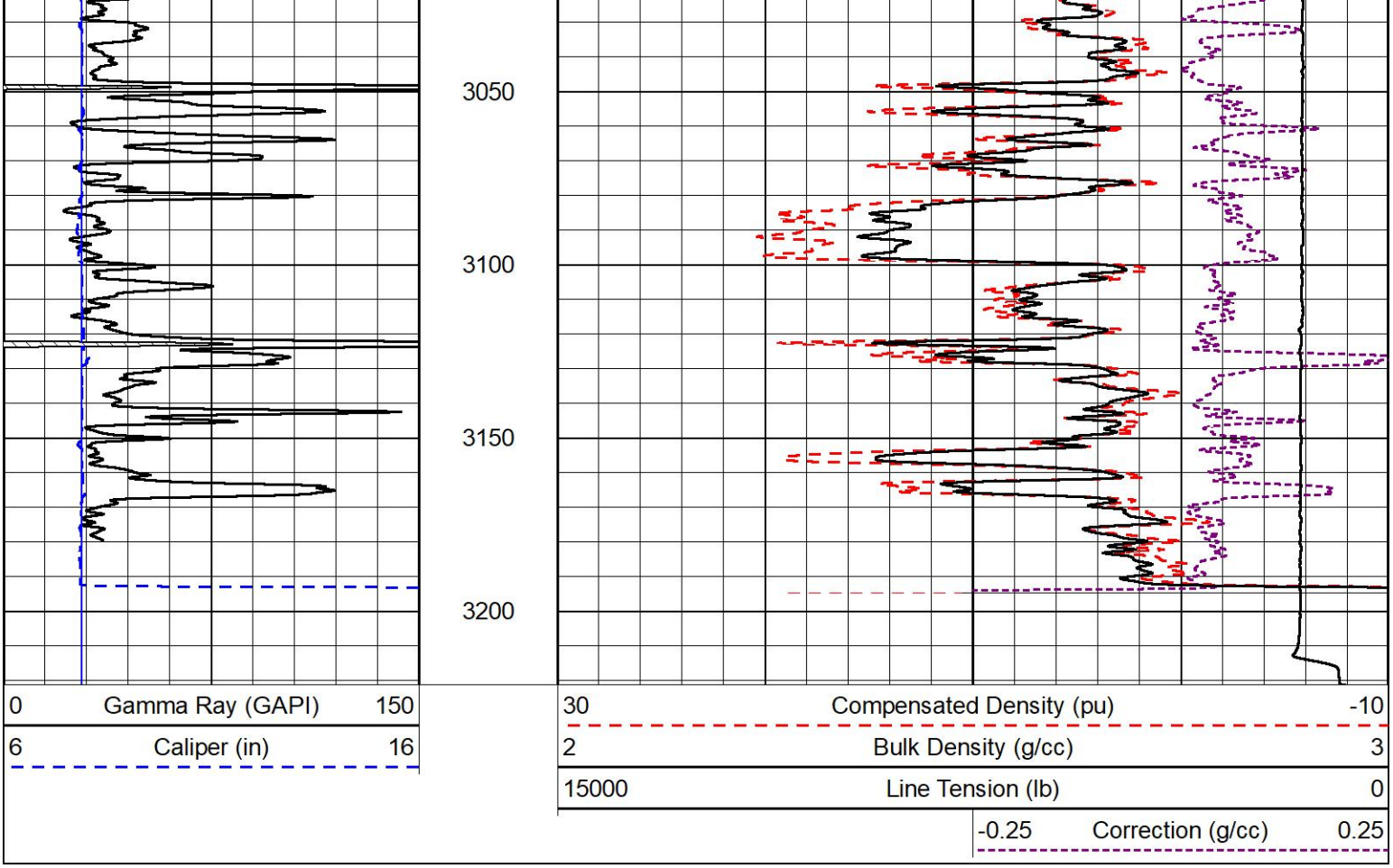
2" SCALE BULK DENSITY

MAIN PASS

Database File	alan vonfeldt oil_boxberger h #17.db
Dataset Pathname	STKML/pass3.3
Presentation Format	_cdl
Dataset Creation	Sun Dec 10 17:31:30 2023
Charted by	Depth in Feet scaled 1:600




2500
2550
2600
2650
2700
2750
2800
2850
2900
2950
3000

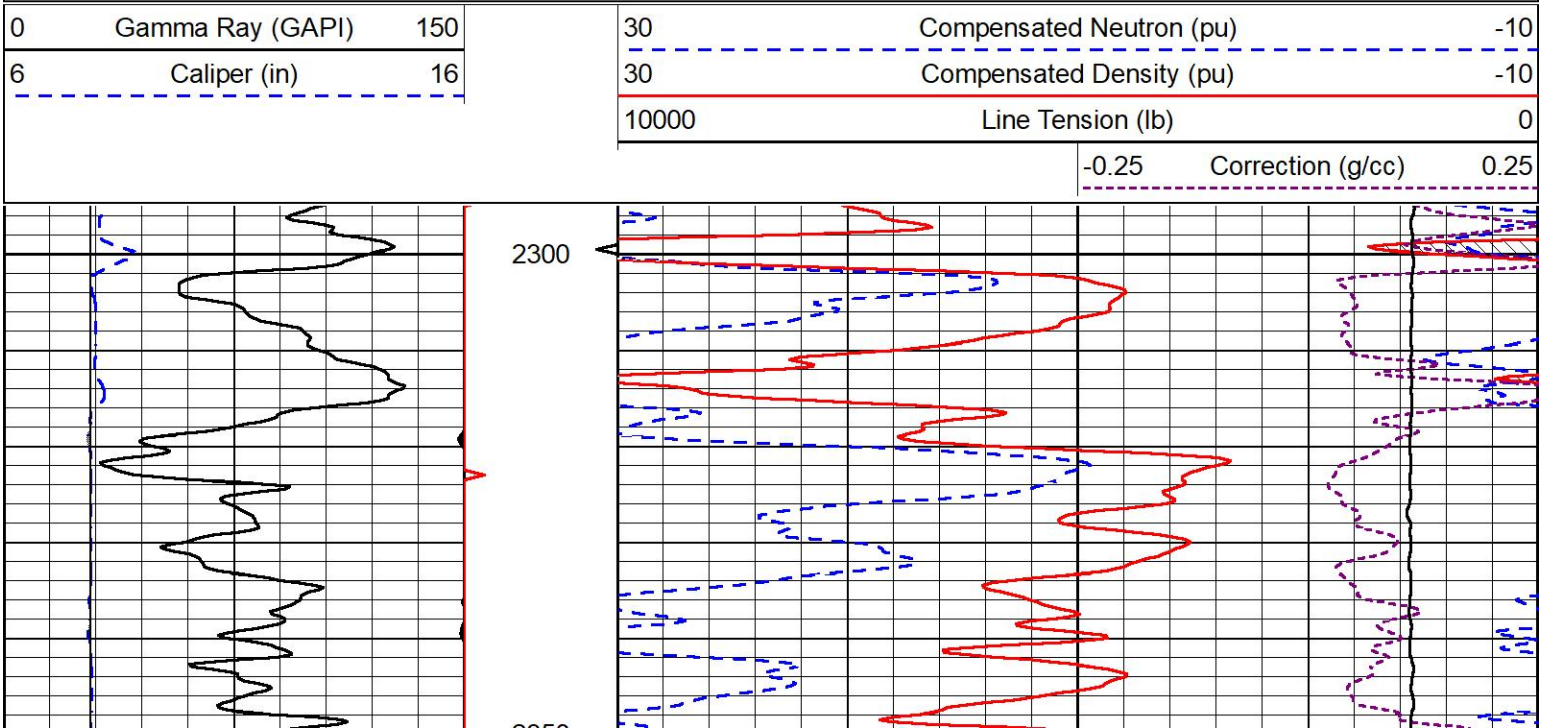


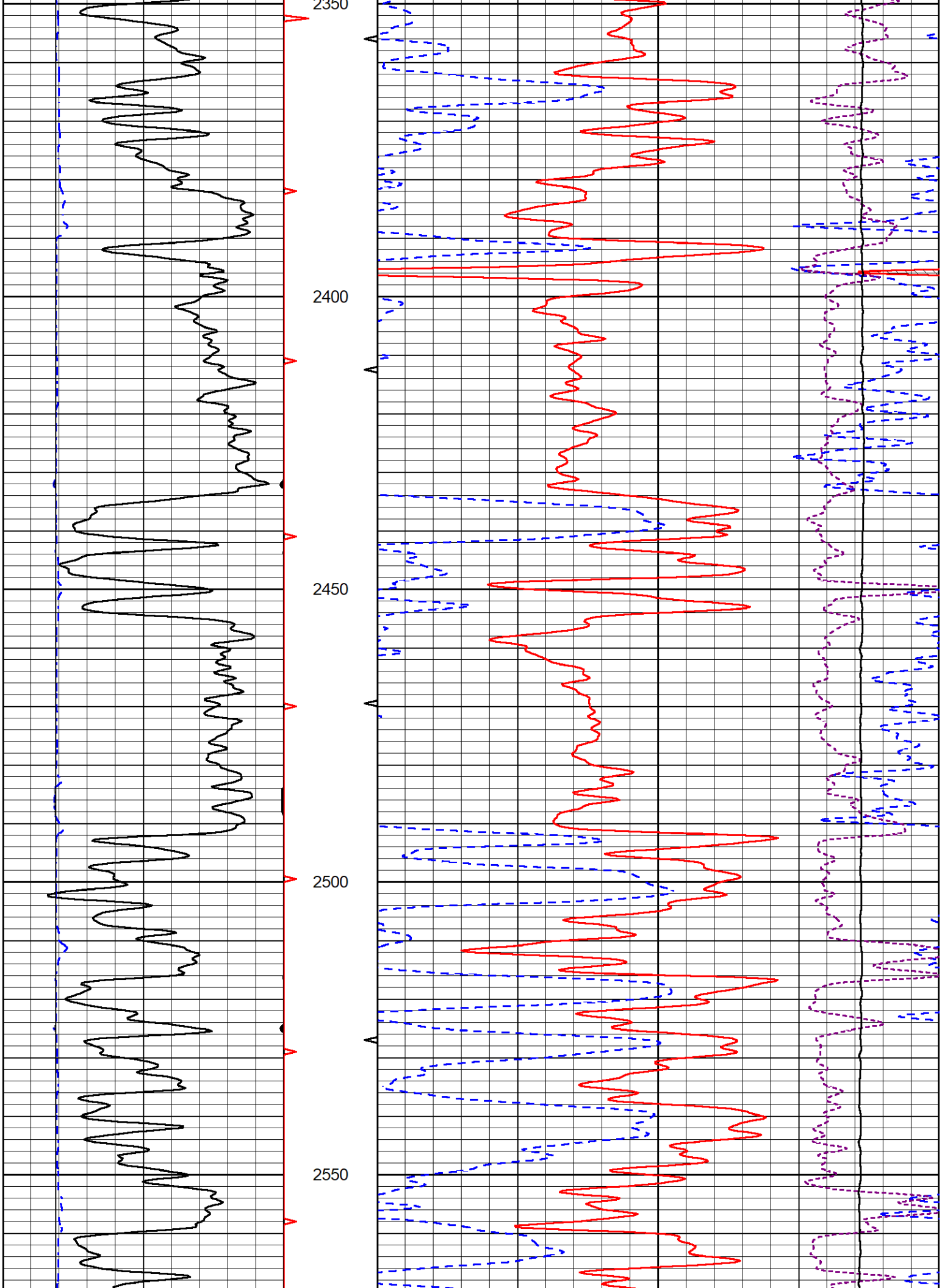
MIDWEST WIRELINE

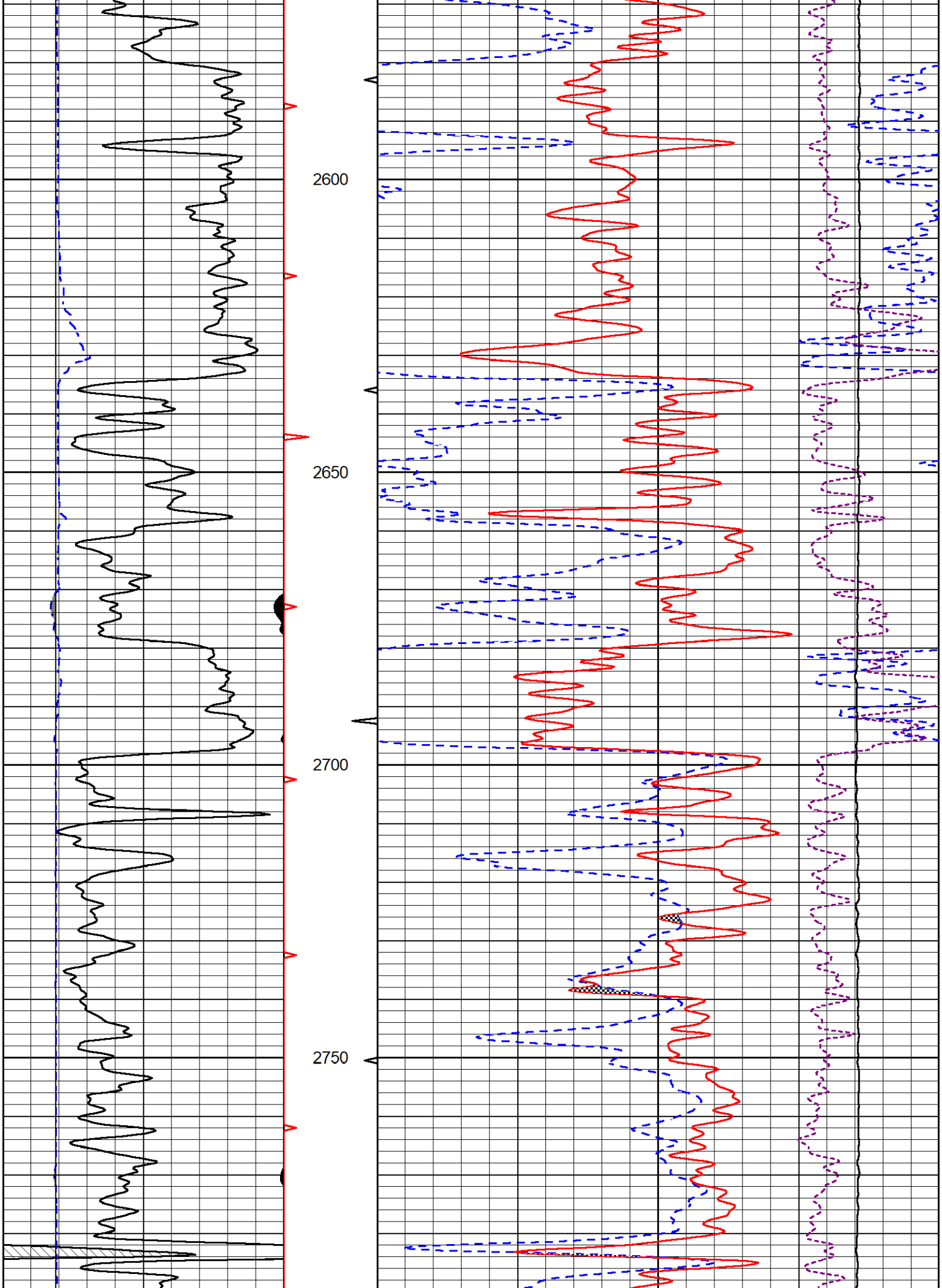
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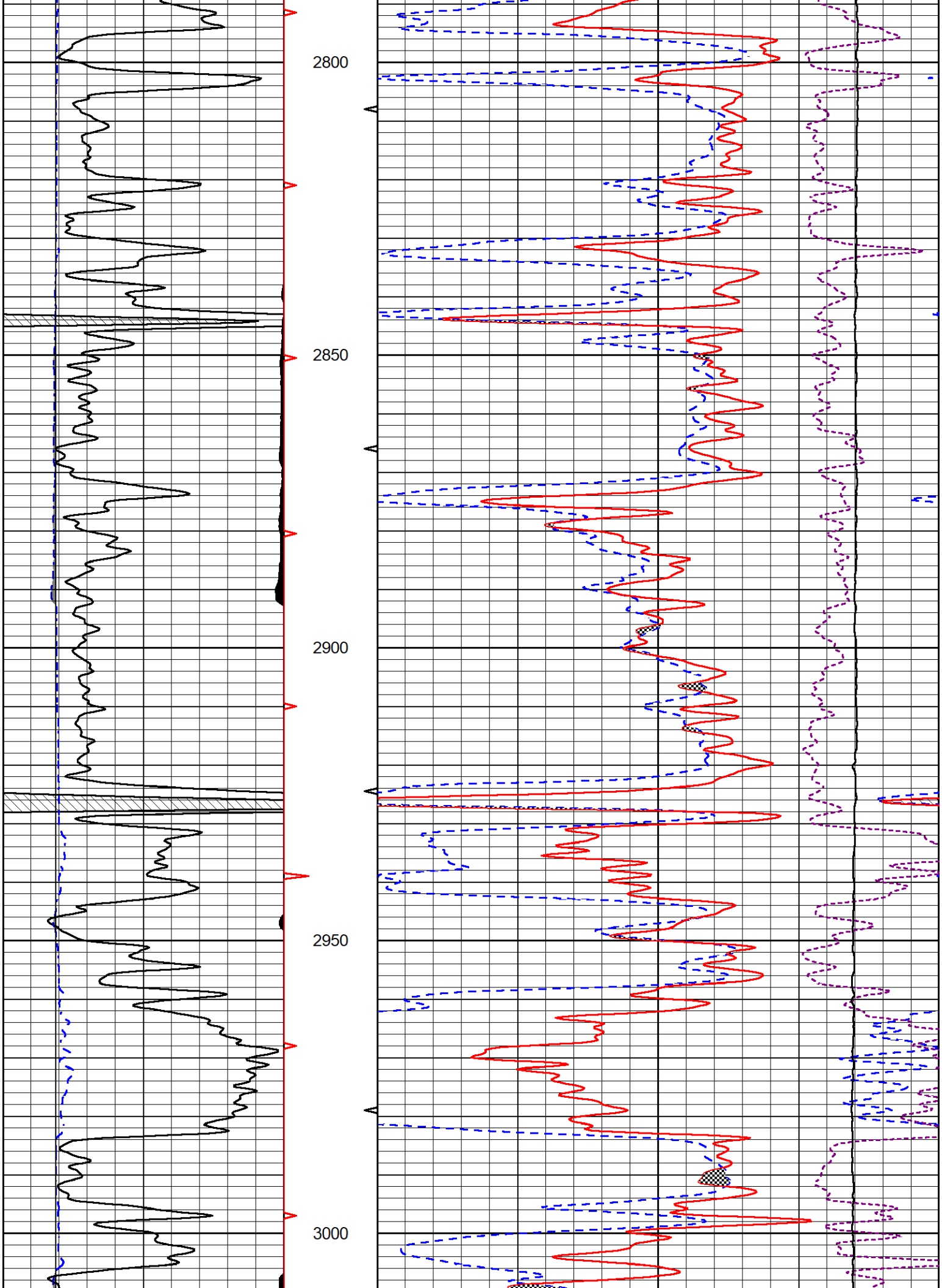
MAIN PASS

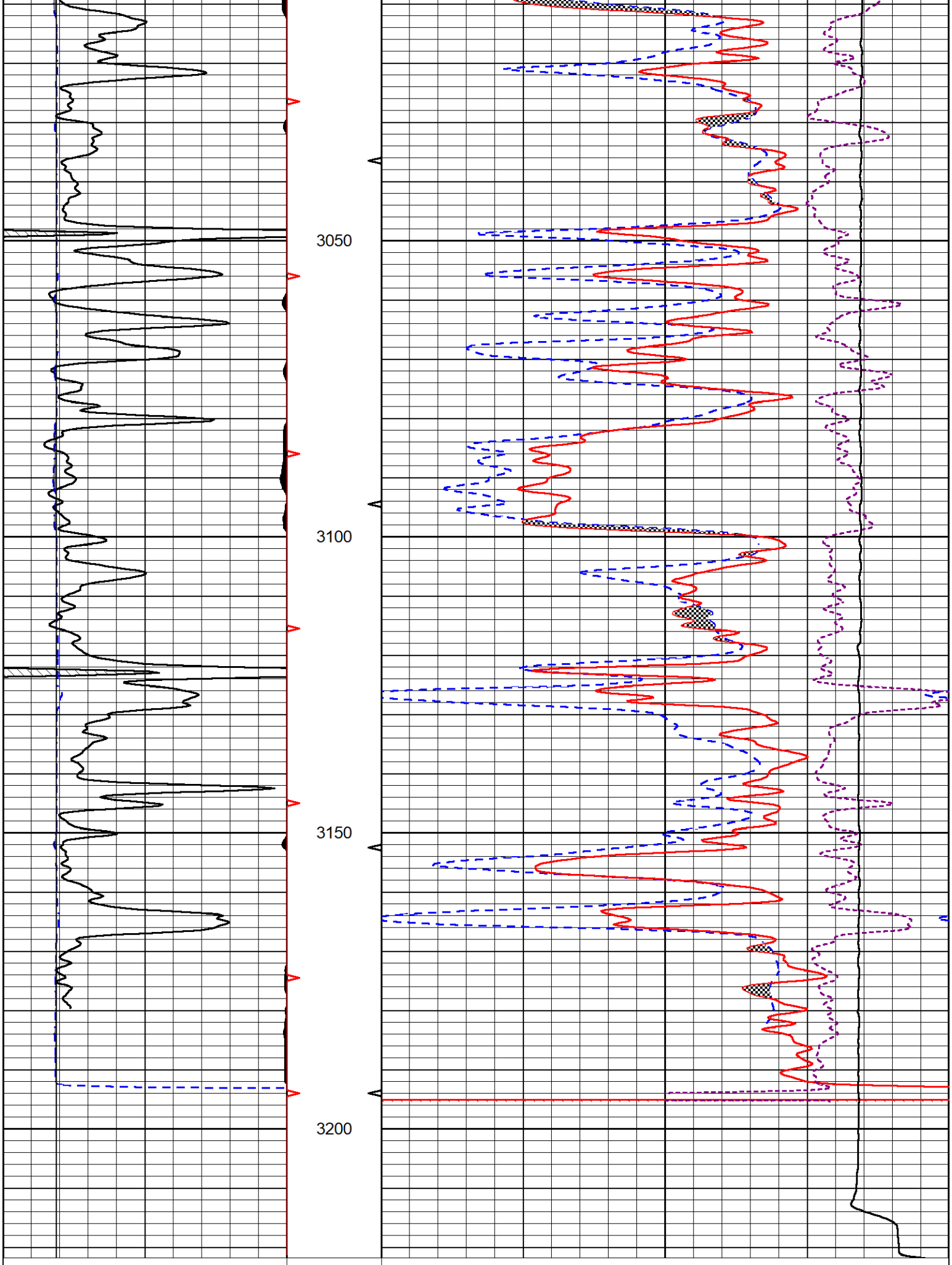
Database File	alan vonfeldt oil_boxberger h #17.db
Dataset Pathname	STKML/pass3.1
Presentation Format	_CNDLS~1
Dataset Creation	Sun Dec 10 18:01:00 2023
Charted by	Depth in Feet scaled 1:240




2350
2400
2450
2500
2550


2600
2650
2700
2750


2800
2850
2900
2950
3000


3050
3100
3150
3200
0
Gamma Ray (GAPI)
150
6
Caliper (in)
16
30
Compensated Neutron (pu)
-10
30
Compensated Density (pu)
-10

10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25

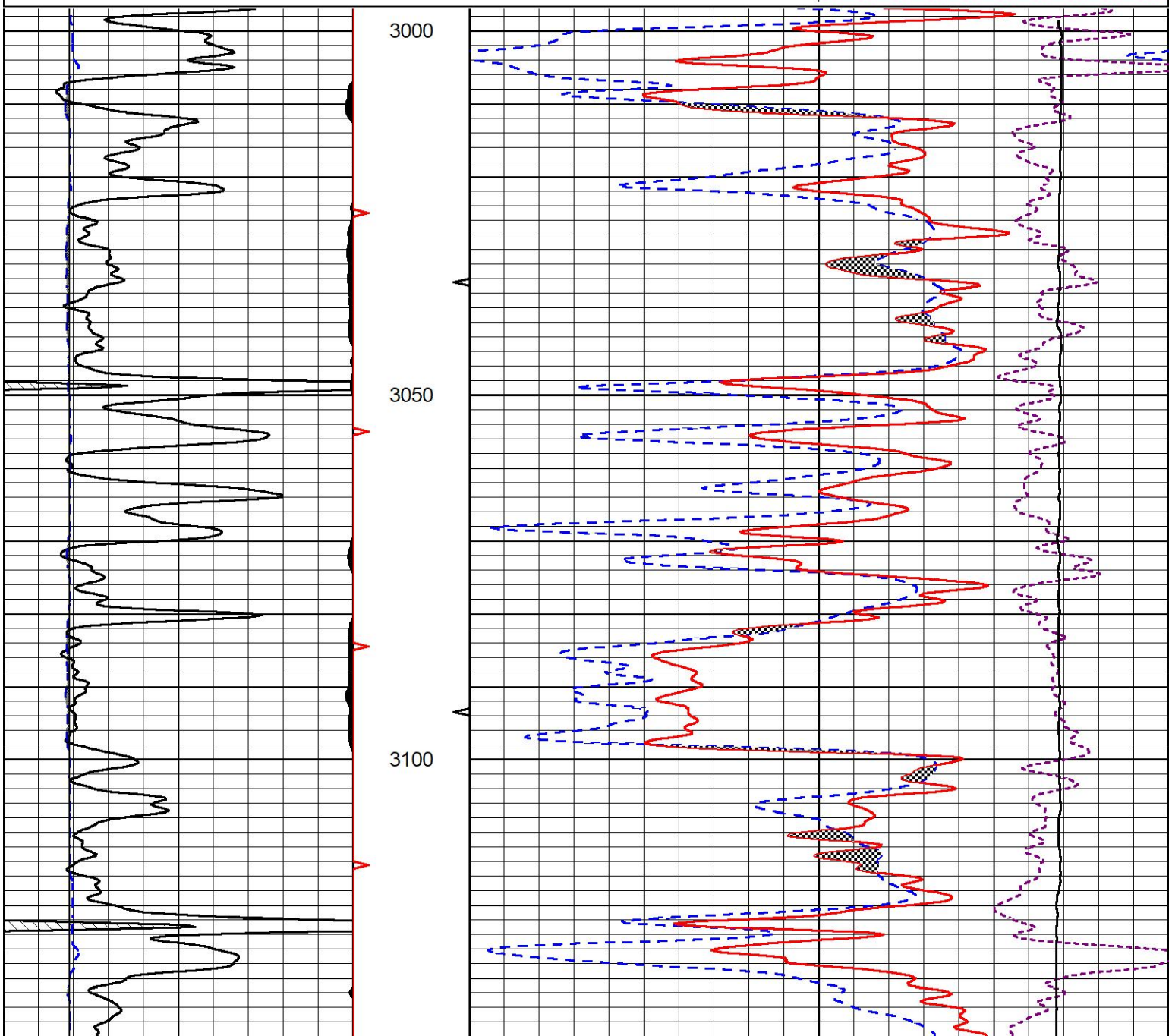
MIDWEST WIRELINE

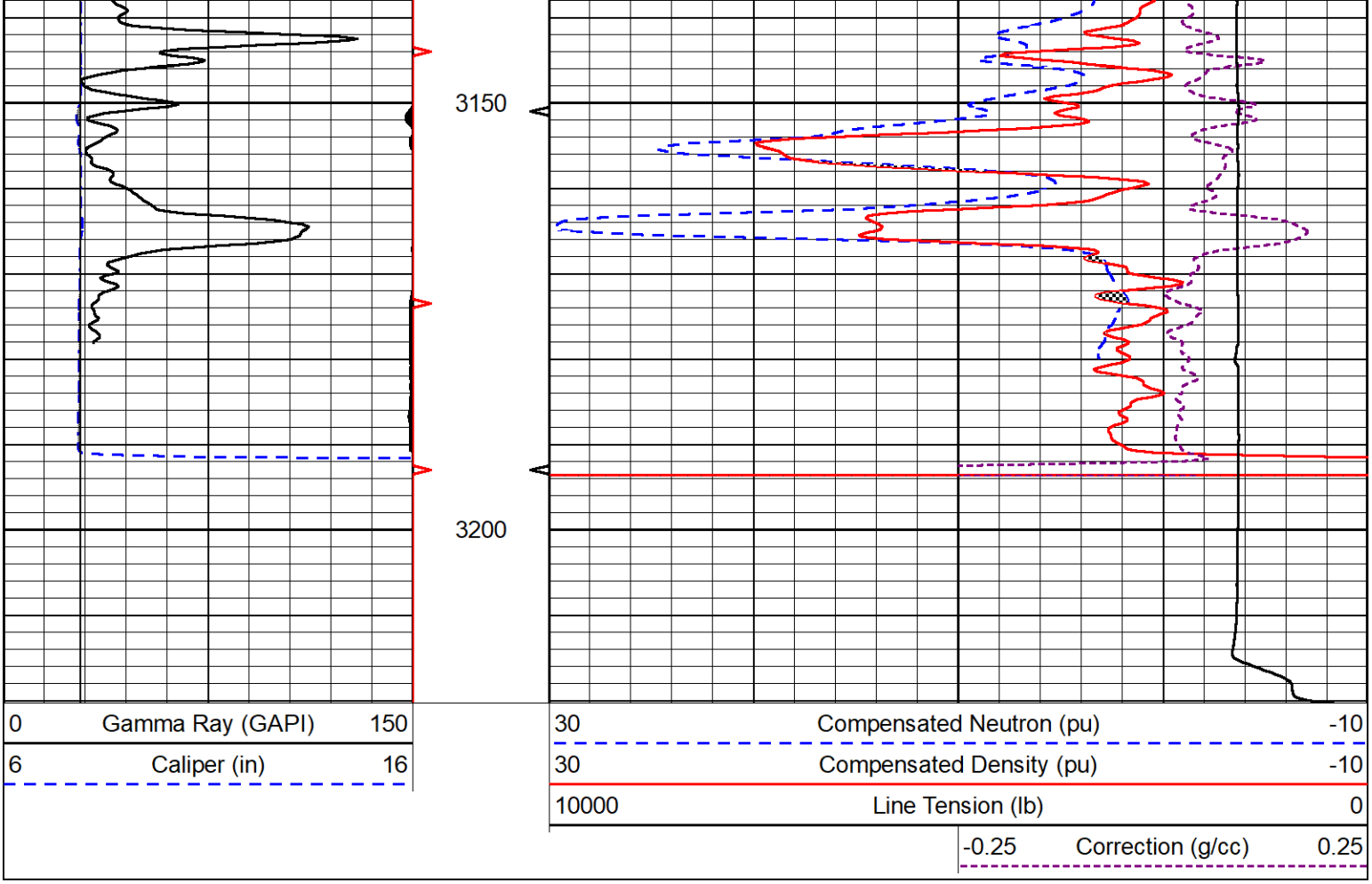
REPEAT SECTION

REPEAT PASS

Database File	alan vonfeldt oil_boxberger h #17.db
Dataset Pathname	STKML/pass2.1
Presentation Format	_CNDLS~1
Dataset Creation	Sun Dec 10 17:25:35 2023
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
30	Compensated Neutron (pu)	-10
30	Compensated Density (pu)	-10
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25





Calibration Report

Database File	alan vonfeldt oil_boxberger h #17.db
Dataset Pathname	STKML/pass3.3
Dataset Creation	Sun Dec 10 17:31:30 2023

Dual Induction Calibration Report

Serial-Model:	504 HT-M&W
Surface Cal Performed:	Wed Jun 7 06:28:44 2023

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	178.615	710.235	0.000	255.800	mmho/m	1.100	-4.500
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.750	-35.000

Microlog Calibration Report

Serial-Model:	402-PSI STKBL ML
Performed:	Sat Dec 2 02:32:23 2023

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m	21500.0000	-0.5000
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m	21000.0000	0.0000
Caliper	1.0046	1.1419	5.5000	20.0000	in	50.0000	-44.5250

Compensated Density Calibration Report

Serial-Model:	303-03-M&W
Source #:	21170B
Master Calibration Performed:	Sat Oct 21 23:47:58 2023

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.680	g/cc	4197.87	5510.19	cps
Aluminum	2.585	g/cc	938.23	3815.19	cps

Spine Angle = 76.22 Density/Spine Ratio = 0.587

	Size		Reading
Small Ring	4.00	in	1.17
Large Ring	14.00	in	1.07

Compensated Neutron Calibration Report

Serial Number:	210
Tool Model:	M&W

CALIBRATION

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:	105	
Tool Model:	M&W	
Performed:	Sat Oct 21 23:48:19 2023	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.5400	GAPI/cps

MIDWEST WIRELINE

Company	Alan Vonfeldt Oil
Well	Boxberger H #19
Field	Hall-Gurney
County	Russell
State	Kansas