



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Mike Kelso Oil, Inc.
 Well Thomas Farms C-4
 Field Chase-Silica
 County Barton
 State Kansas

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 Field Chase-Silica
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Location: API #: 15-009-26385-00-00
 886 FSL & 2017
 SEC 34 TWP 19S RGE 11W
 Permanent Datum Ground Level Elevation 1771
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing
 Other Services
 DIL/MEL
 K.B. 1779
 D.F.
 G.L. 1771

Date	3/13/2023						
Run Number	One						
Type Log	CNL/CDL						
Depth Driller	3420						
Depth Logger	3416						
Bottom Logged Interval	3387						
Top Logged Interval	2400						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	6800						
Density	8.9						
Level	Full						
Max. Rec. Temp. F	110						
Operating Rig Time	3 Hours						
Equipment -- Location	P-108 HAYS						
Recorded By	D. Schmidt						
Witnessed By	Mike Kelso						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	250	8.625	23	0	250
Two	7.875	250	TD				
Casing Record							

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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.

Ellinwood,
 East to 130 Rd, 1/4 North,
 East into

Log Measured From: Kelly Bushing 8 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: D. Schmidt
 Operator:
 Operator:
 Operator:

This Log Record Was Witnessed By

Primary Witness: Mike Kelso
 Secondary Witness:
 Secondary Witness:
 Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.33		GR-M&W (103)	3.00	3.50	50.00
CNLSC CNSSC	37.23 36.48		CNT-M&W (210)	5.00	3.50	100.00
LSD DCAL SSD	28.18 28.17 27.68		CDL-M&W (303-03)	8.50	4.00	250.00
ML-PSI STKBL ML (402)			ML-PSI STKBL ML (402)	7.58	4.00	65.00
MCAL MI MN	19.58 19.58 19.58		DIL-M&W (505 HT)	18.25	3.50	220.00
RLL3F RLL3	15.50 15.50					
CILD	8.33					
CILM	4.50					
SP	0.20					

Dataset: mike kelso_thomas farms c-4.db: field/well/stkml/pass4.5
 Total length: 42.33 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrrior\Data\mike kelso_thomas farms c-4.db
 Dataset field/well/stkml/pass4.5/_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	0	220	40	Off	3416

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

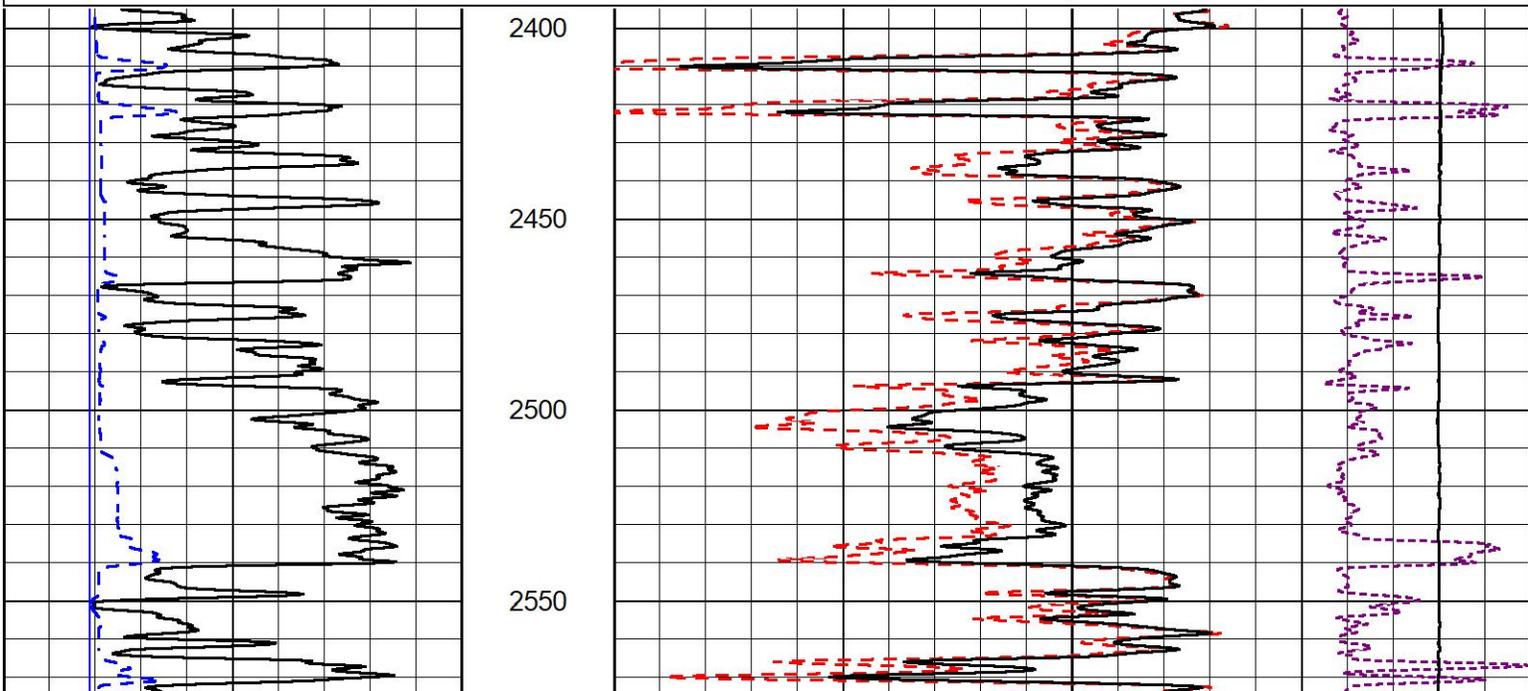


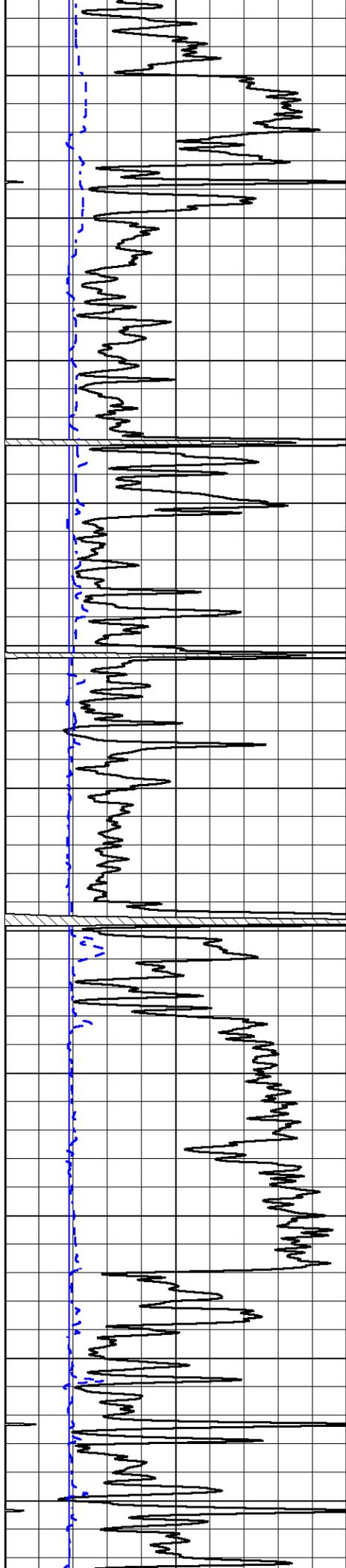
2" SCALE BULK DENSITY

MAIN PASS

Database File mike kelso_thomas farms c-4.db
 Dataset Pathname stkml/pass4.2
 Presentation Format _cdl
 Dataset Creation Mon Mar 13 15:08:03 2023
 Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	30	Compensated Density (pu)	-10
6	Caliper (in)	16	2	Bulk Density (g/cc)	3
			15000	Line Tension (lb)	0
				-0.25 Correction (g/cc)	0.25





2600

2650

2700

2750

2800

2850

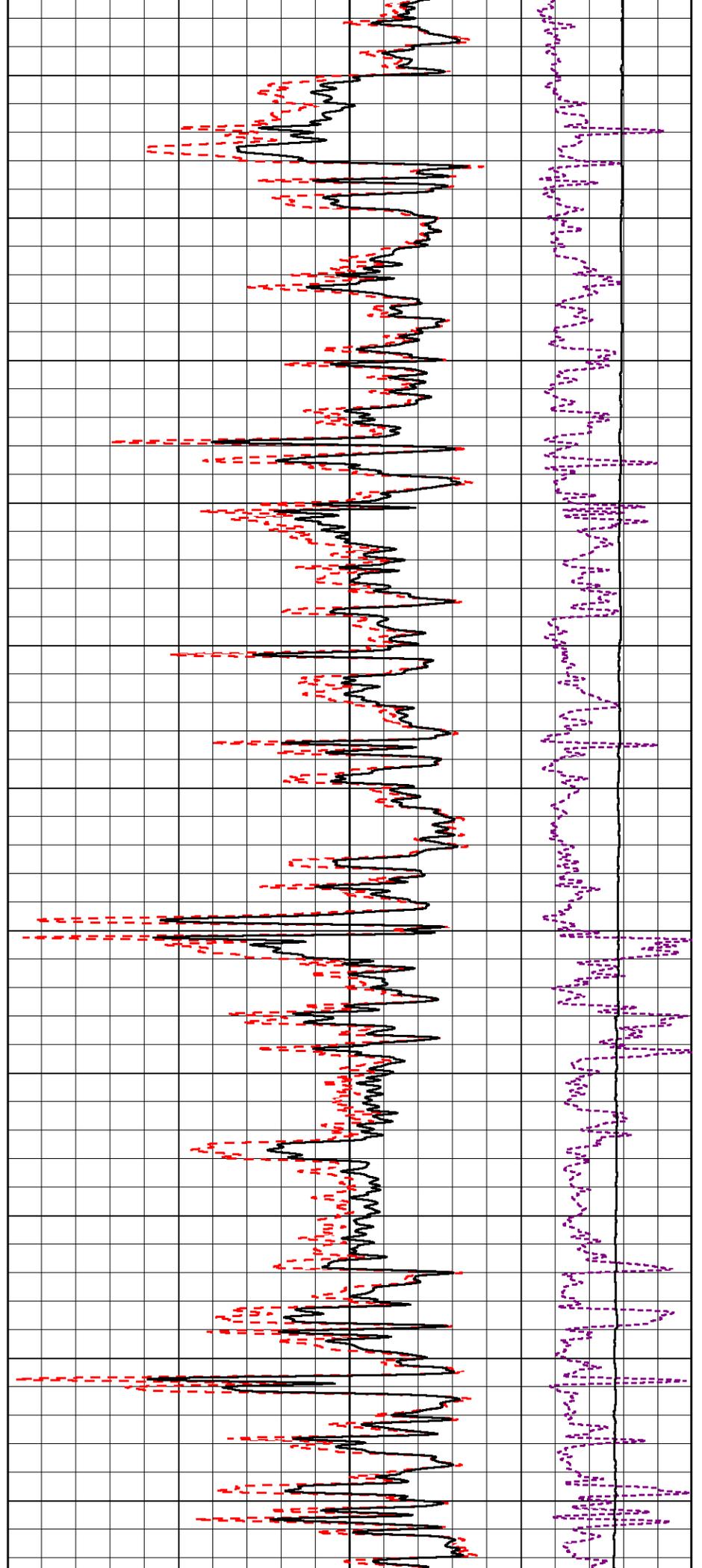
2900

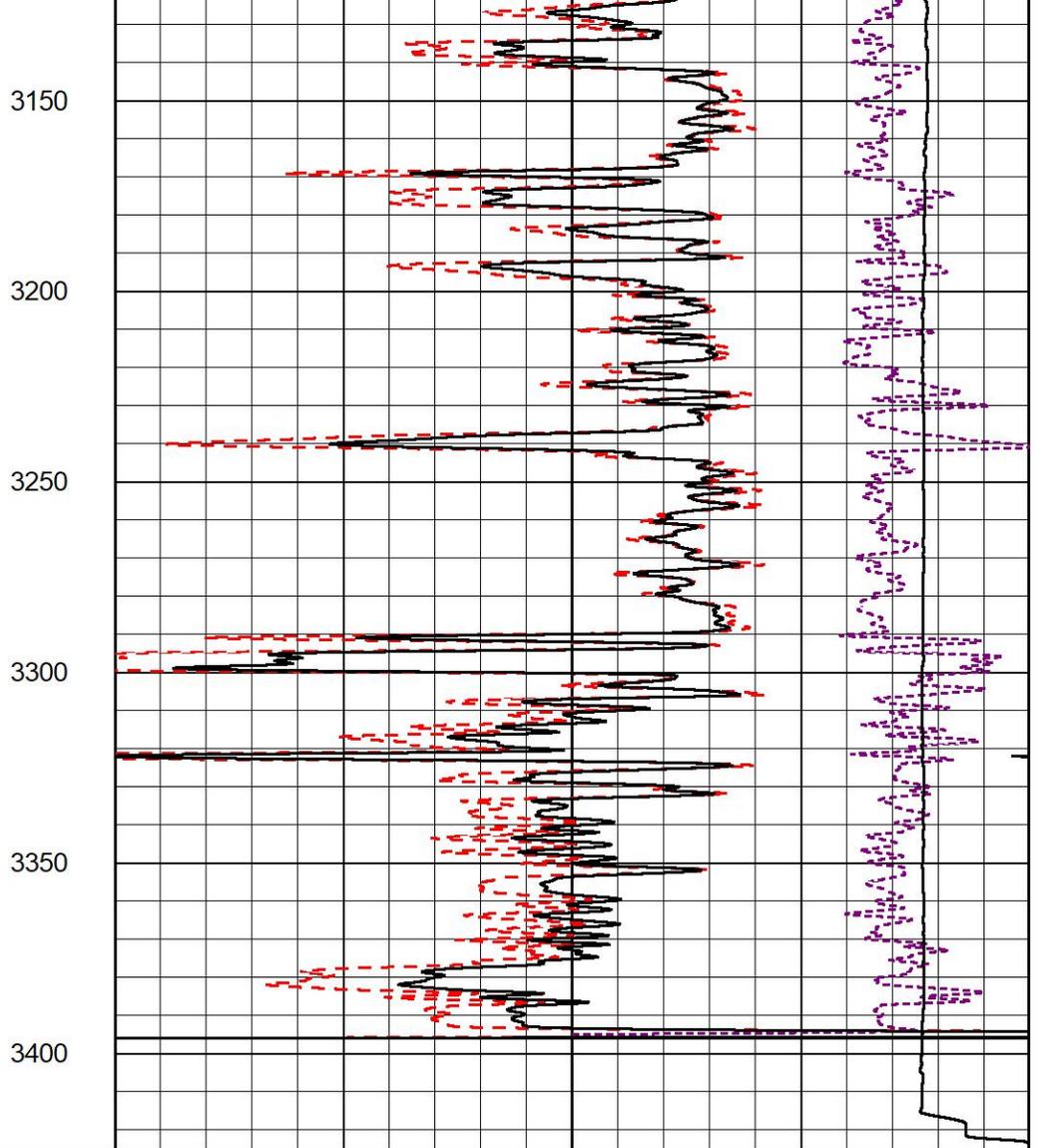
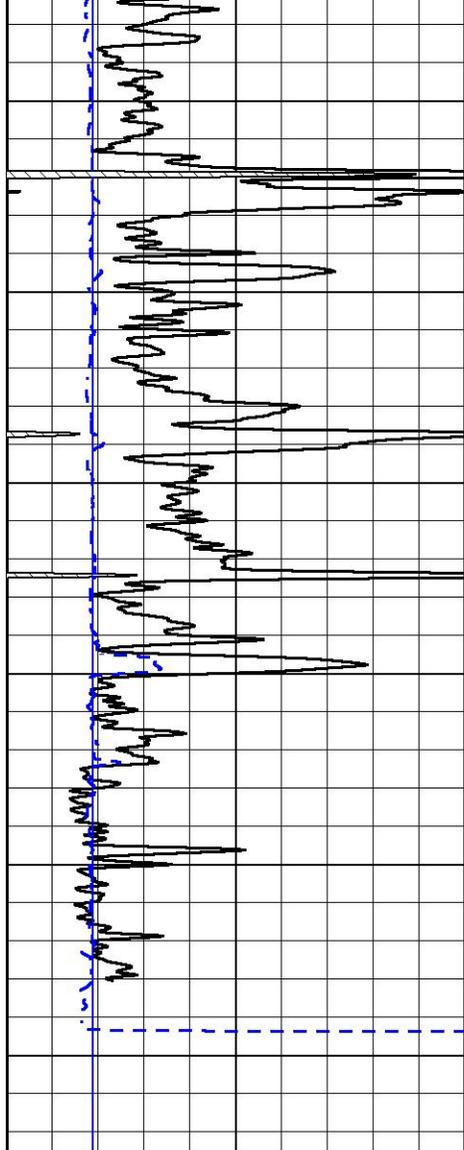
2950

3000

3050

3100





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



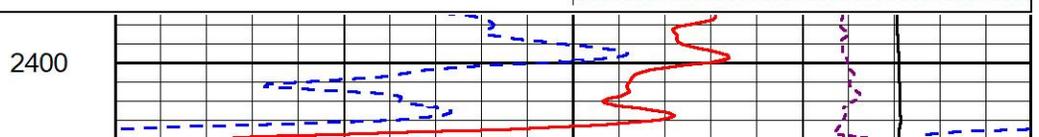
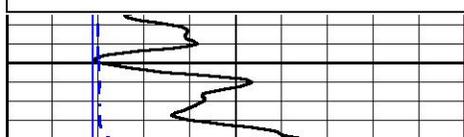
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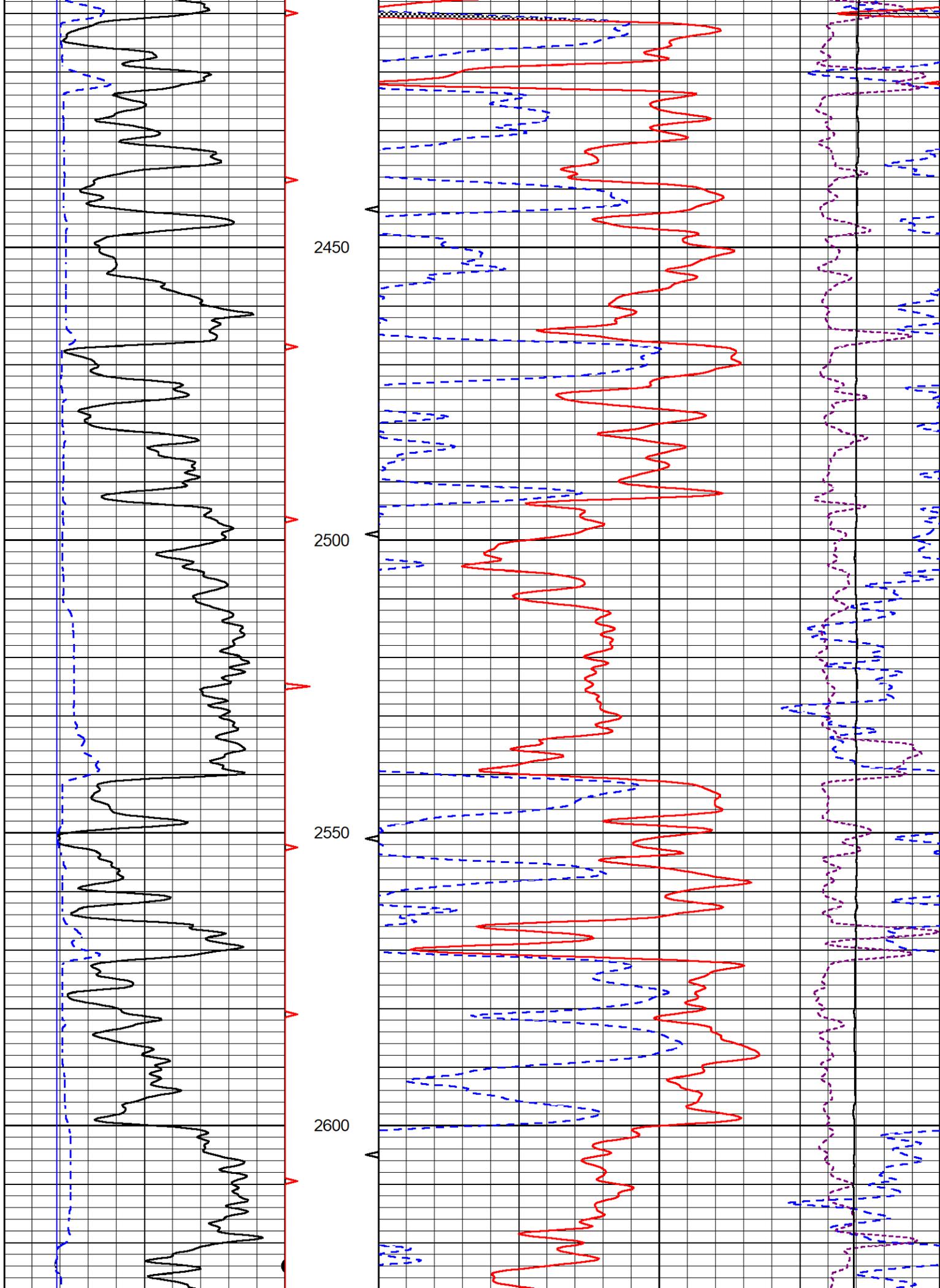
MAIN PASS

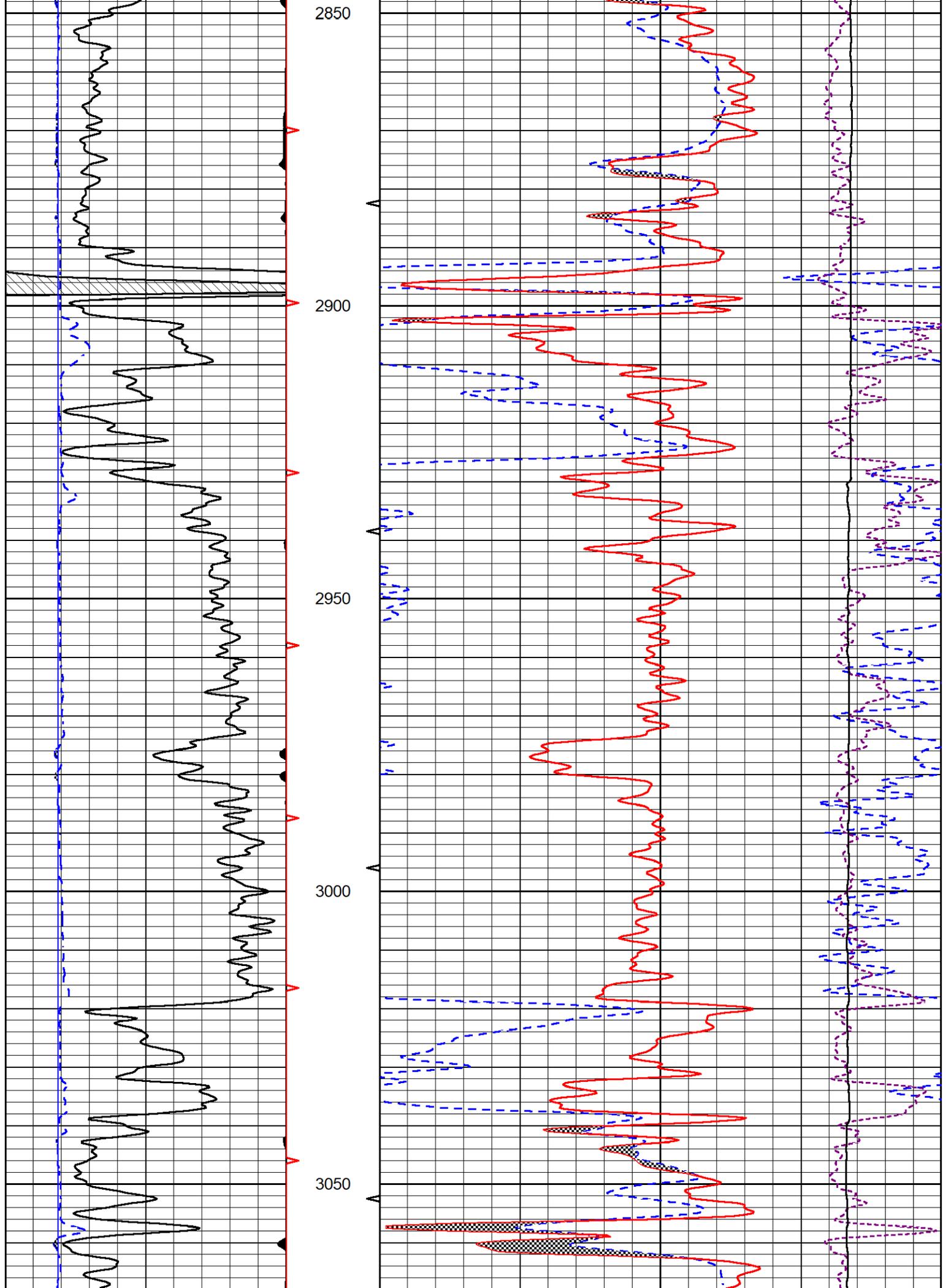
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 Dataset Pathname stkml/pass4.5
 Presentation Format _CNDLS~1
 Dataset Creation Mon Mar 13 15:08:12 2023
 Charted by Depth in Feet scaled 1:240

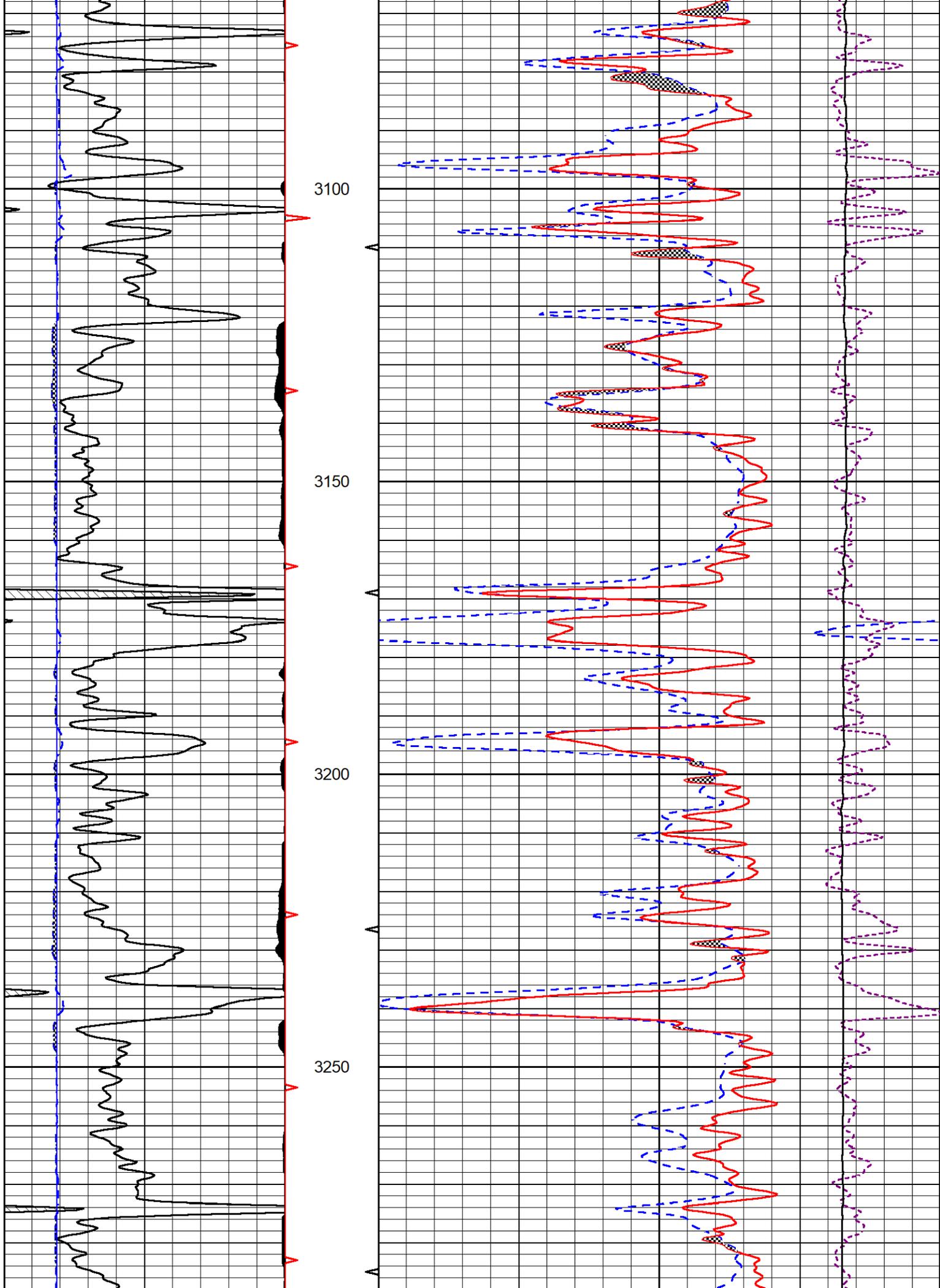
0	GR (GAPI)	150
6	DCAL (in)	16

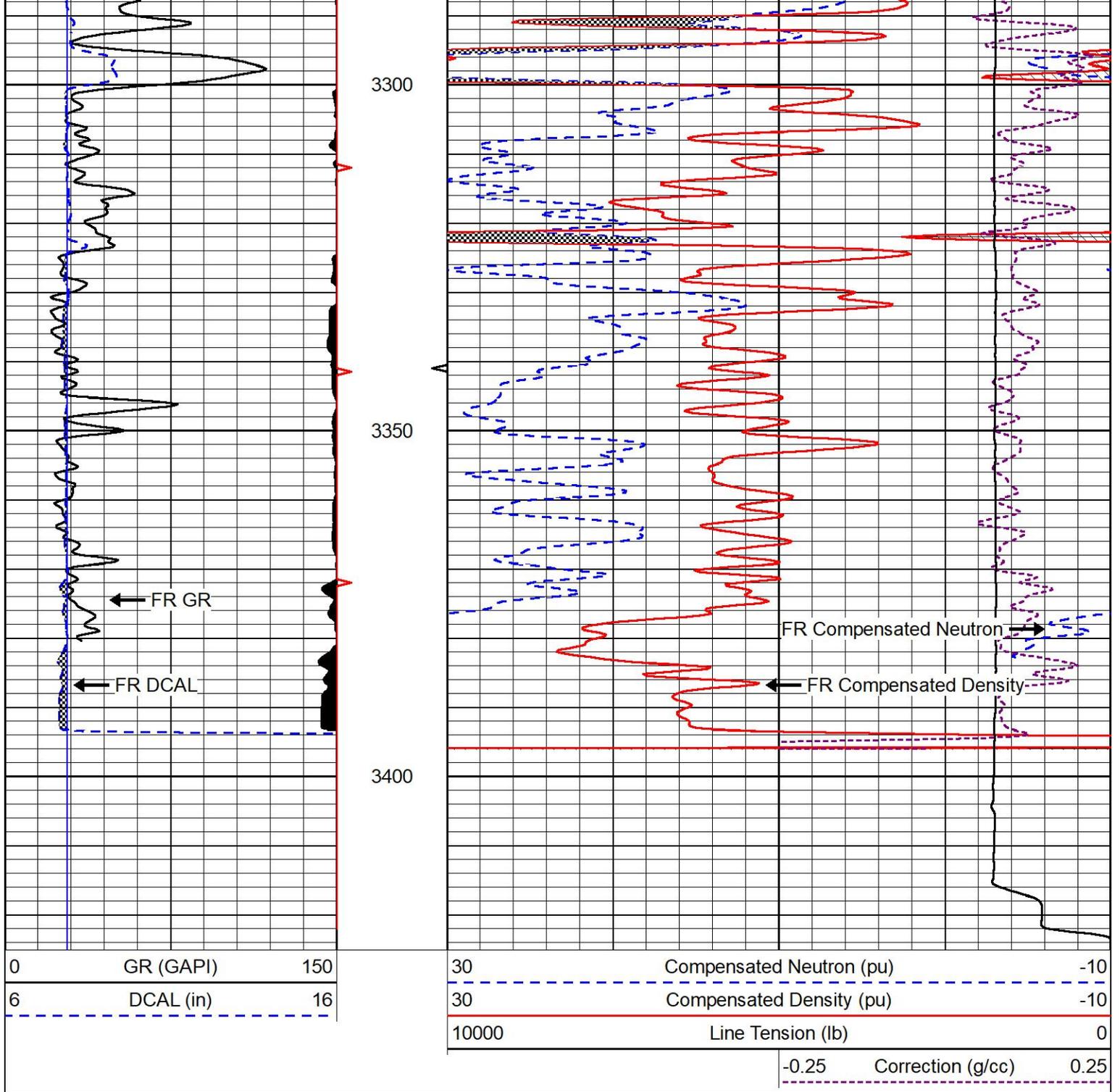
30	Compensated Neutron (pu)	-10
30	Compensated Density (pu)	-10
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25









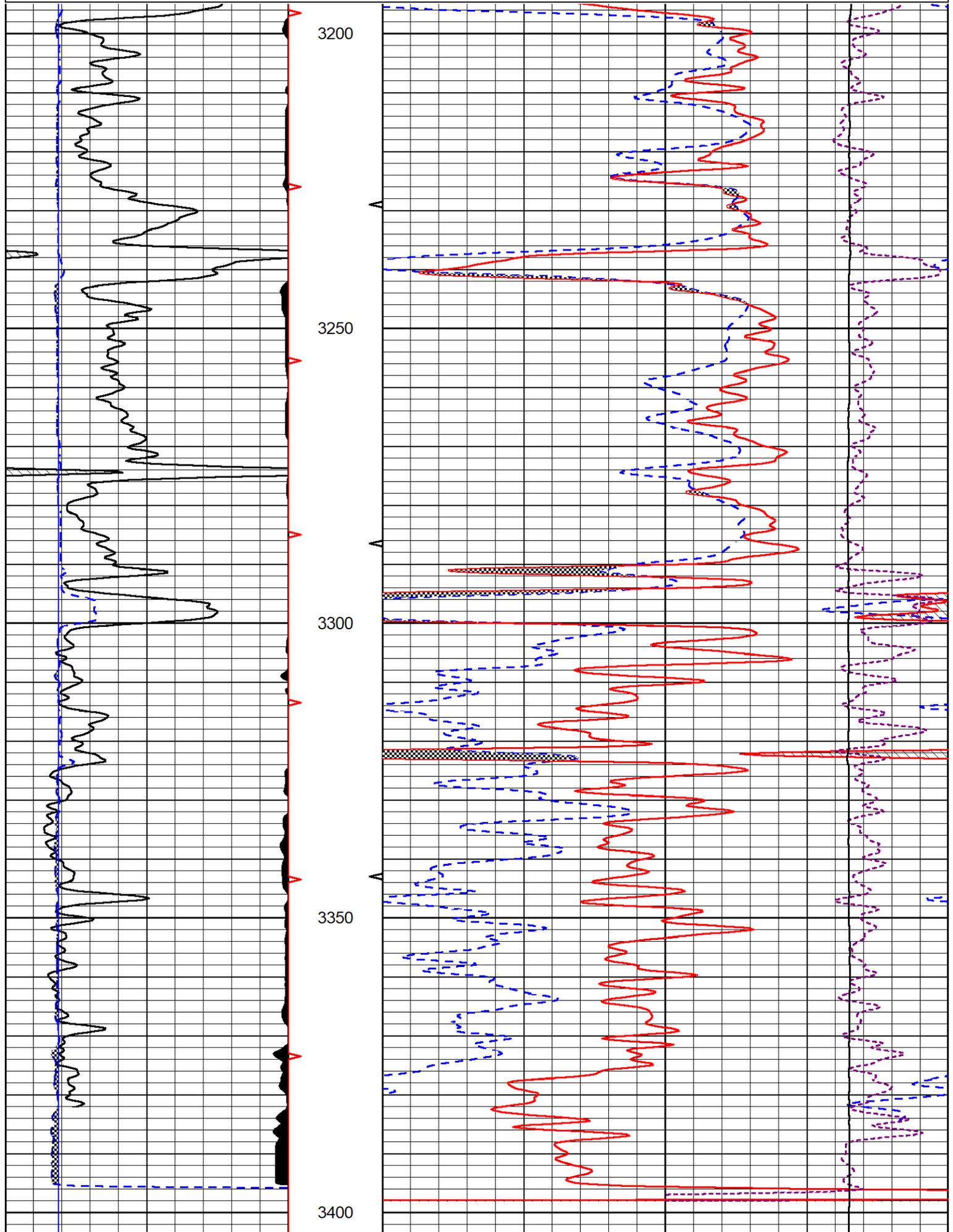


REPEAT SECTION

REPEAT PASS

Database File mike kelso_thomas farms c-4.db
 Dataset Pathname stkml/pass3.1
 Presentation Format _CNDLS~1
 Dataset Creation Mon Mar 13 15:13:04 2023
 Charted by Depth in Feet scaled 1:240

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



Compensated Neutron Calibration Report

Serial-Model:	210-M&W
Source #:	N-1238
Master Calibration Performed:	Fri Dec 3 09:16:24 2021

Master 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:	103	
Tool Model:	M&W	
Performed:	Wed Jan 25 21:25:33 2023	
Calibrator Value:	500.0	GAPI
Background Reading:	28.0	cps
Calibrator Reading:	986.0	cps
Sensitivity:	0.5700	GAPI/cps



Company	Mike Kelso Oil, Inc.
Well	Thomas Farms C-4
Field	Chase-Silica
County	Barton
State	Kansas