



# DUAL COMP POROSITY LOG

Company CHIZUM OIL, LLC  
 Well GASKILL #2-35  
 Field UNKNOWN  
 County SHERMAN  
 State KANSAS

Company CHIZUM OIL, LLC  
 Well GASKILL #2-35  
 Field UNKNOWN  
 County SHERMAN State KANSAS

Location: 335' FSL & 1382' FEL  
 SEC 35 TWP 7S RGE 37W  
 Permanent Datum GROUND LEVEL Elevation 3462'  
 Log Measured From KELLY BUSHING  
 Drilling Measured From KELLY BUSHING  
 Other Services DIL  
 Elevation K.B. 3467', D.F. N/A, G.L. 3462'

Date	4/19/2019
Run Number	ONE
Type Log	CNL/CDL
Depth Driller	5034'
Depth Logger	5034'
Bottom Logged Interval	5013'
Top Logged Interval	4000'
Type Fluid In Hole	CHEMICAL
Salinity, PPM CL	8000
Density	9.5
Level	FULL
Max. Rec. Temp. F	126
Operating Rig Time	4 HOURS
Equipment -- Location	P-24 HAYS
Recorded By	D. SCHMIDT
Witnessed By	TIM PRIEST

Run No.	Bit	Borehole Record			Casing Record		
		From	To	Size	Wgt.	From	To
ONE	12.25"	0'	345'	8.625"	23#	0'	345'
TWO	7.875"	345'					

<<< 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.

BREWSTER,  
NORTH TO S RD, 2 WEST,  
NORTH INTO

Log Measured From: KELLY BUSHING      5 Ft. Above Permanent Datum

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

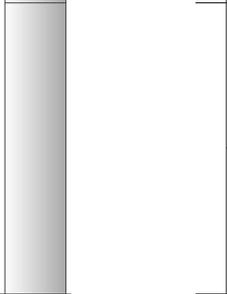
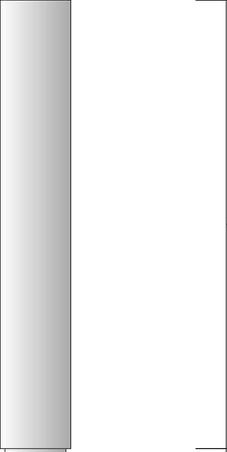
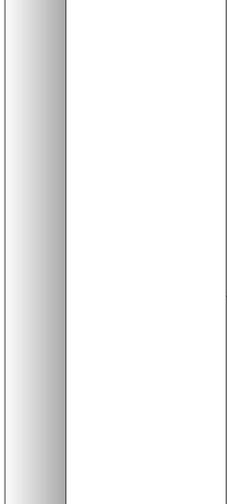
Your Pioneer Energy Services Crew Engineer: D. SCHMIDT Operator: Operator: Operator:	This Log Record Was Witnessed By Primary Witness: TIM PRIEST Secondary Witness: Secondary Witness: Secondary Witness:
--	---

# Log Variables

DatabaseC:\ProgramData\Warrior\Data\chizum\_gaskill 2-35.db  
 Dataset field/well/STKML/pass99/\_vars\_

## Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	100	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	400	0	Off	0

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	33.00		GR-M&W (89)	3.00	3.50	50.00
CNLSC CNSSC	29.90 29.15		CNT-M&W (207-MW)	5.50	3.50	100.00
LSD DCAL SSD	20.85 20.83 20.35		CDL-M&W (96-916)	8.50	4.00	250.00
RLL3F RLL3	15.80 15.80					
CILD	8.00		DIL-PSI HIGH TEMP (967 (HT))	18.50	3.50	220.00

CILM 4.70

SP 0.20

Dataset: chizum\_gaskill 2-35.db: field/well/STKML/pass99  
 Total length: 35.50 ft  
 Total weight: 620.00 lb  
 O.D.: 4.00 in

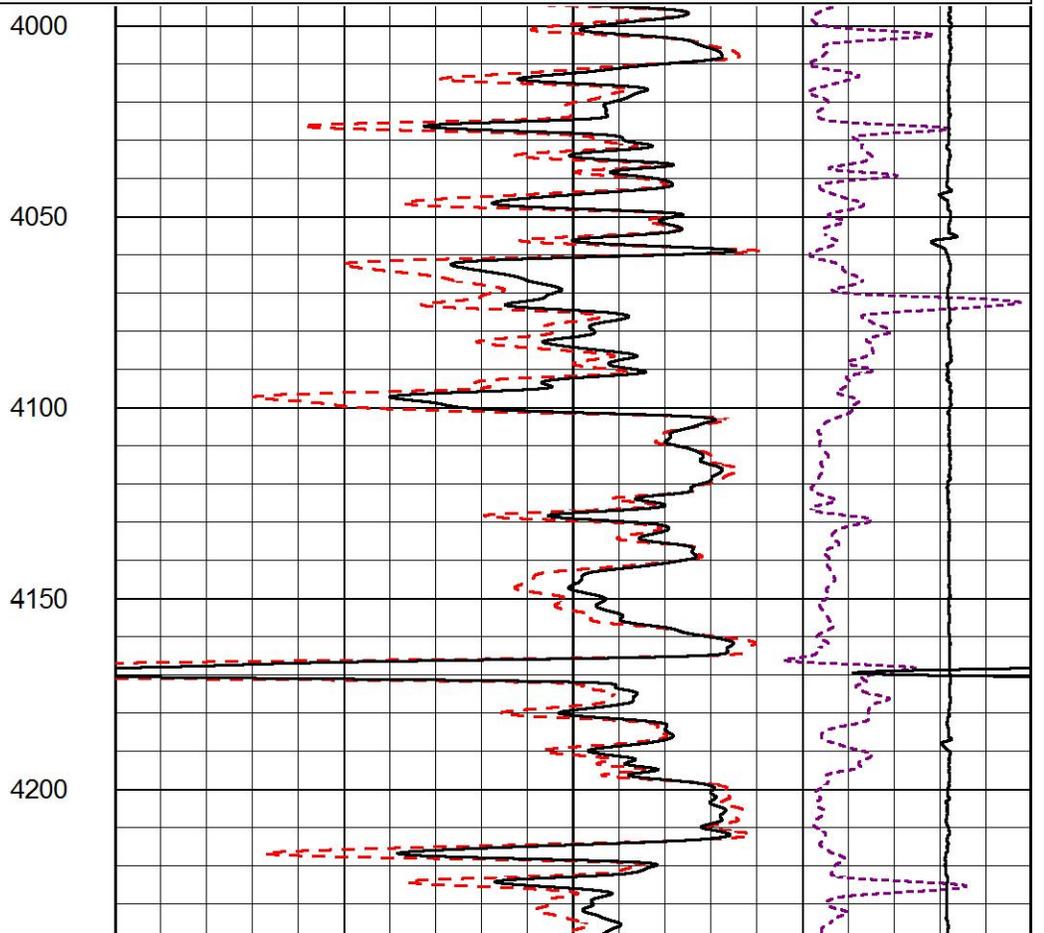
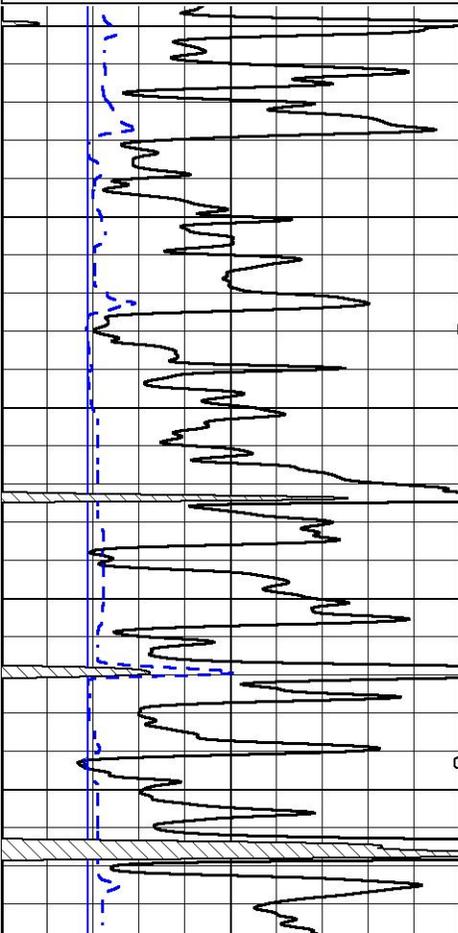


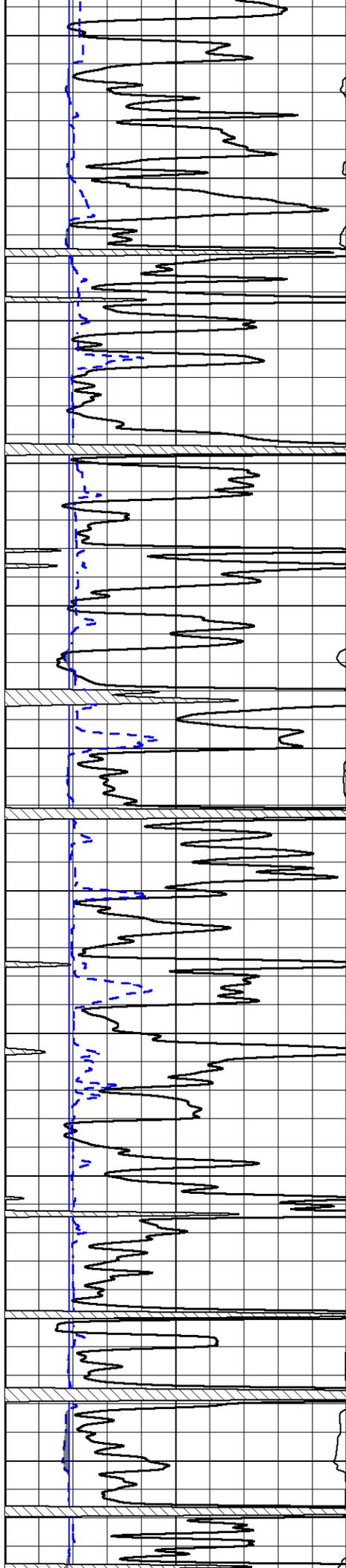
# MAIN PASS

Database File chizum\_gaskill 2-35.db  
 Dataset Pathname STKML/pass99  
 Presentation Format \_cdl  
 Dataset Creation Fri Apr 19 14:37:52 2019  
 Charted by Depth in Feet scaled 1:600

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

30	COMPENSATED DENSITY (2.71 MA)	(pu)	-10
2	BULK DENSITY (g/cc)		3
15000	LINE TENSION (lb)		0
	-0.25	CORRECTION (g/cc)	0.25





4250

4300

4350

4400

4450

4500

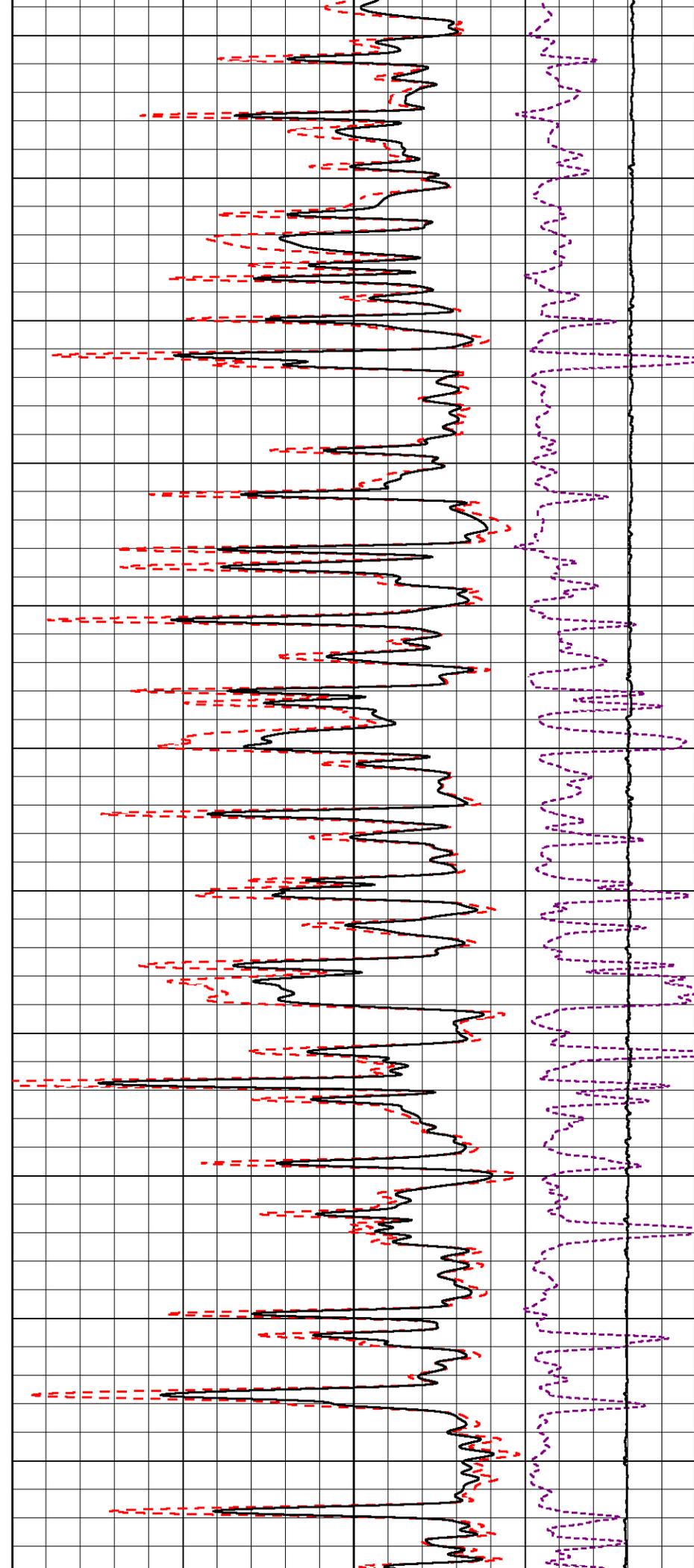
4550

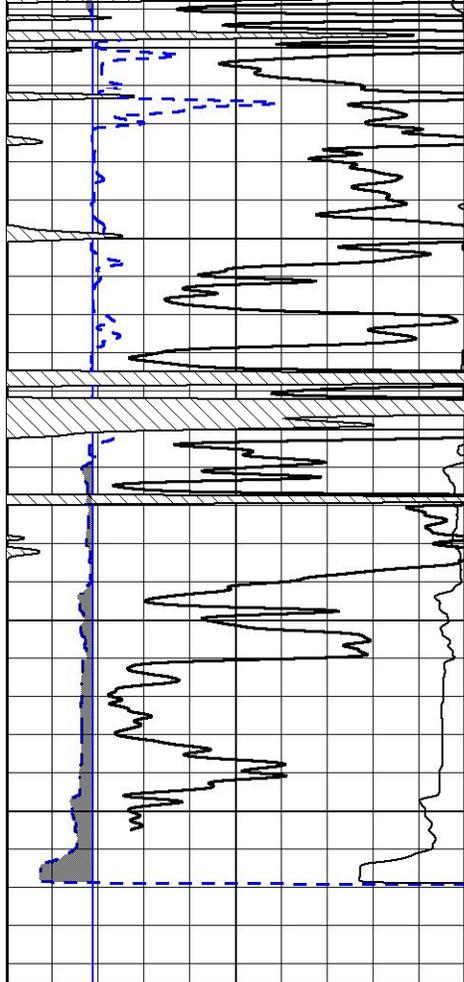
4600

4650

4700

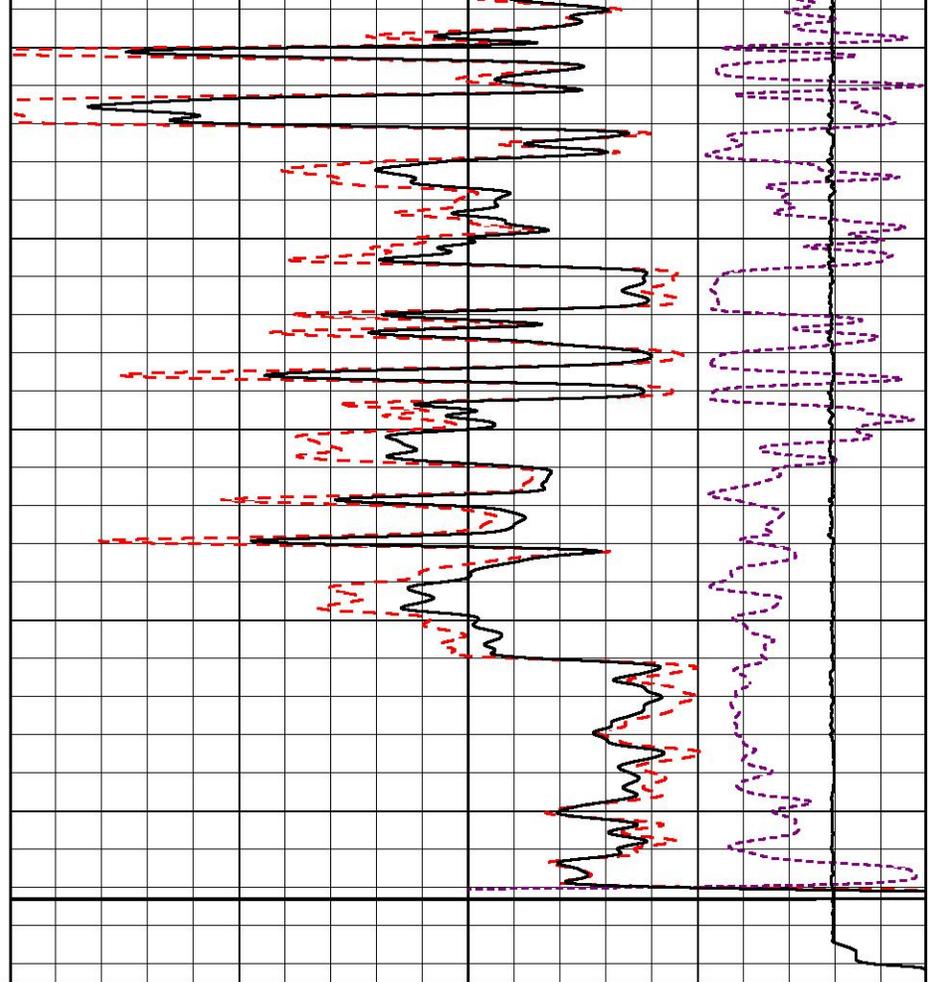
4750





4800  
4850  
4900  
4950  
5000

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



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

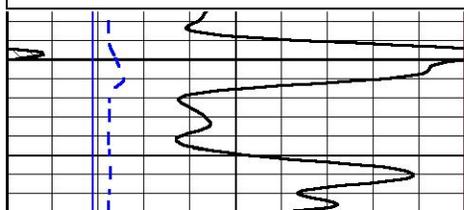


# MAIN PASS

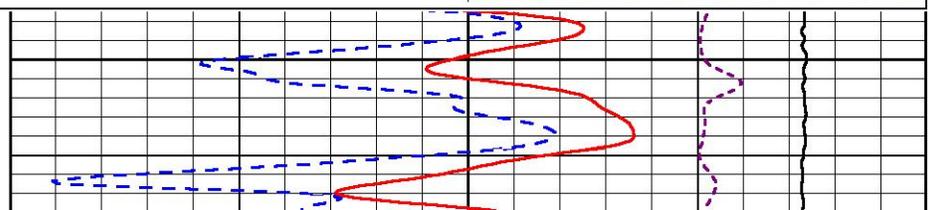
Database File chizum\_gaskill 2-35.db  
Dataset Pathname STKML/pass99  
Presentation Format \_CNDLS~1  
Dataset Creation Fri Apr 19 14:37:52 2019  
Charted by Depth in Feet scaled 1:240

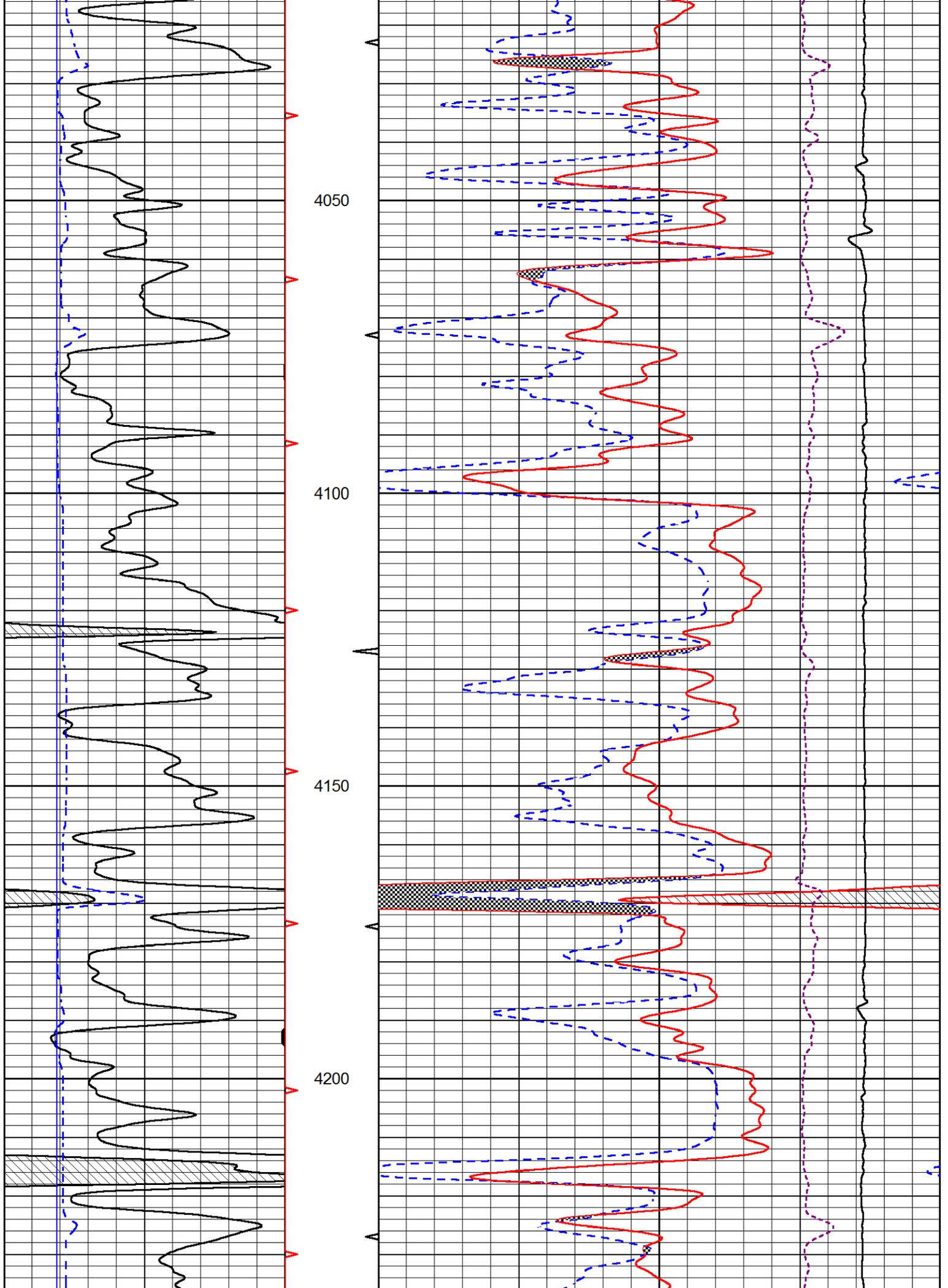
0 GAMMA RAY (GAPI) 150  
6 DCAL (in) 16

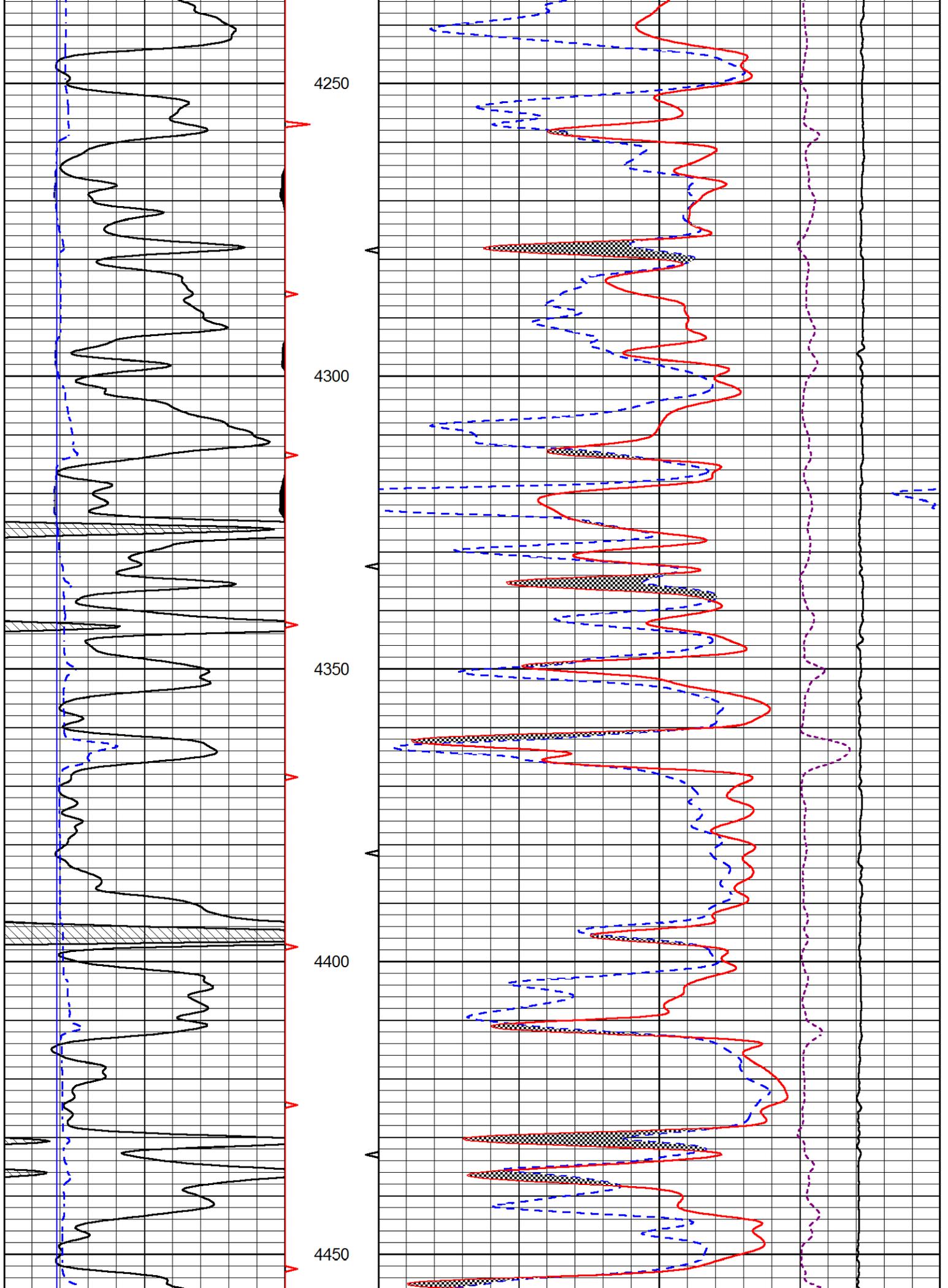
30 CNLS (pu) -10  
30 DPOR (pu) -10  
10000 LINE TENSION (lb) 0  
-0.75 CORRECTION (g/cc) 0.75

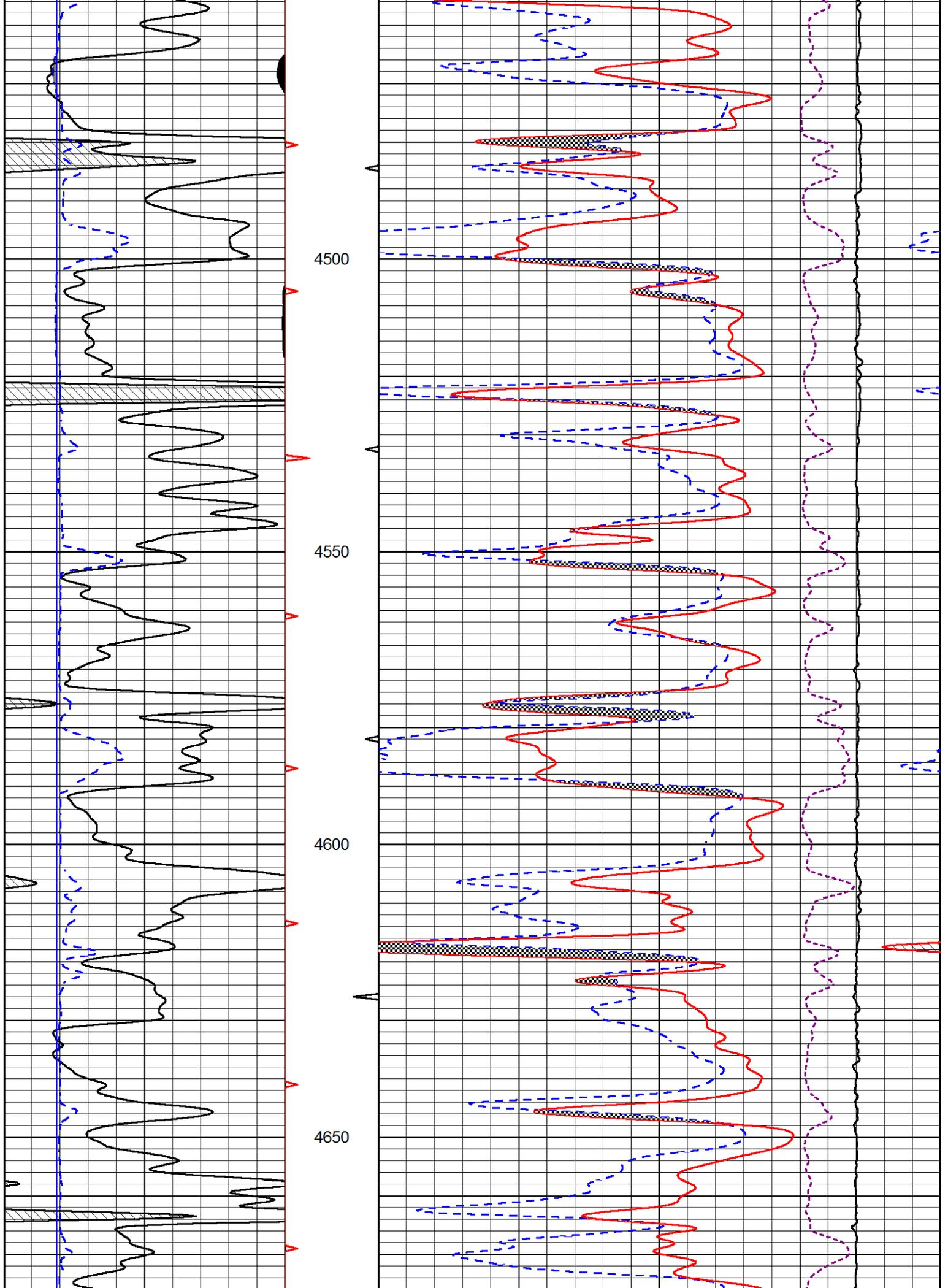


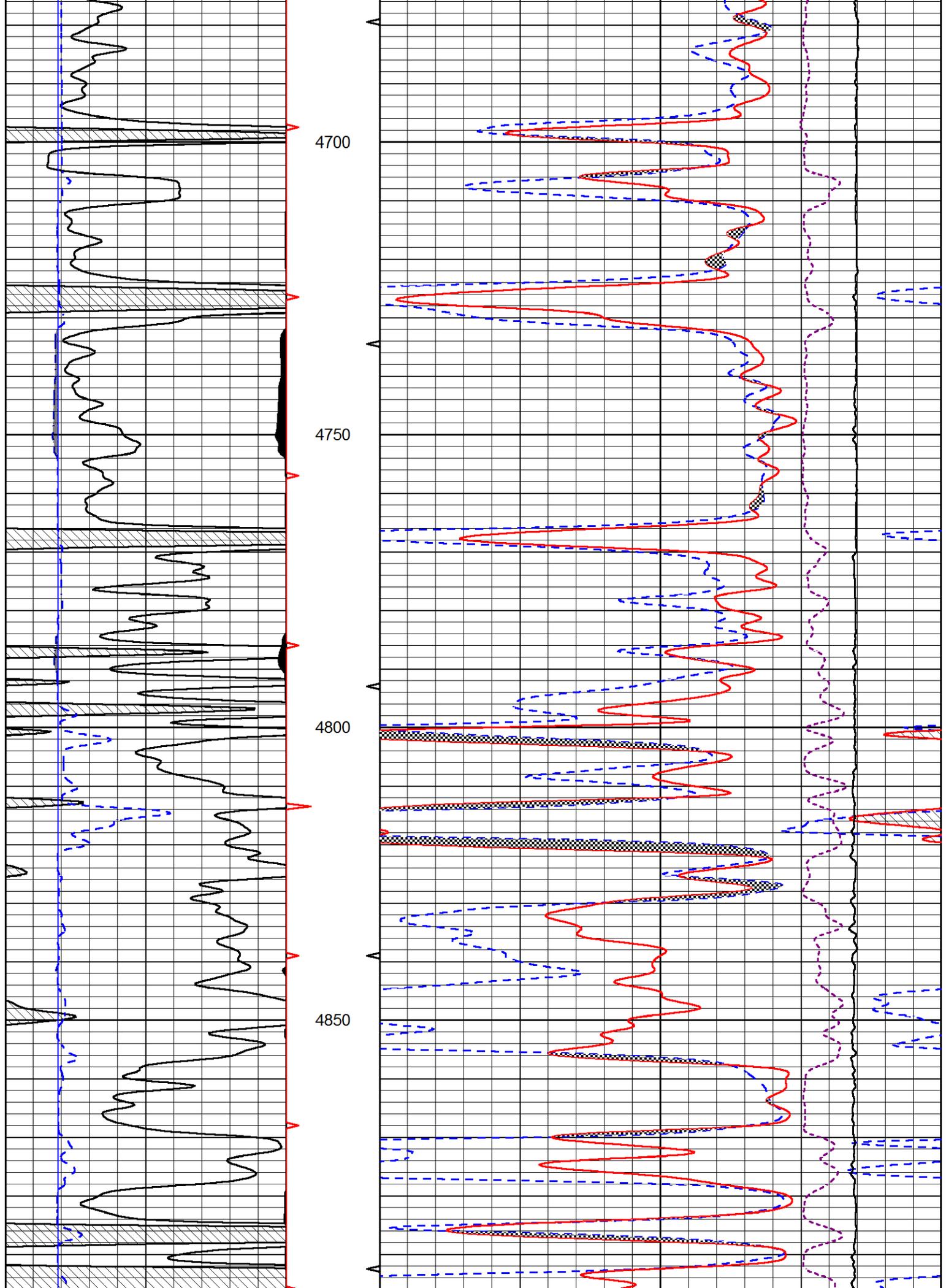
4000

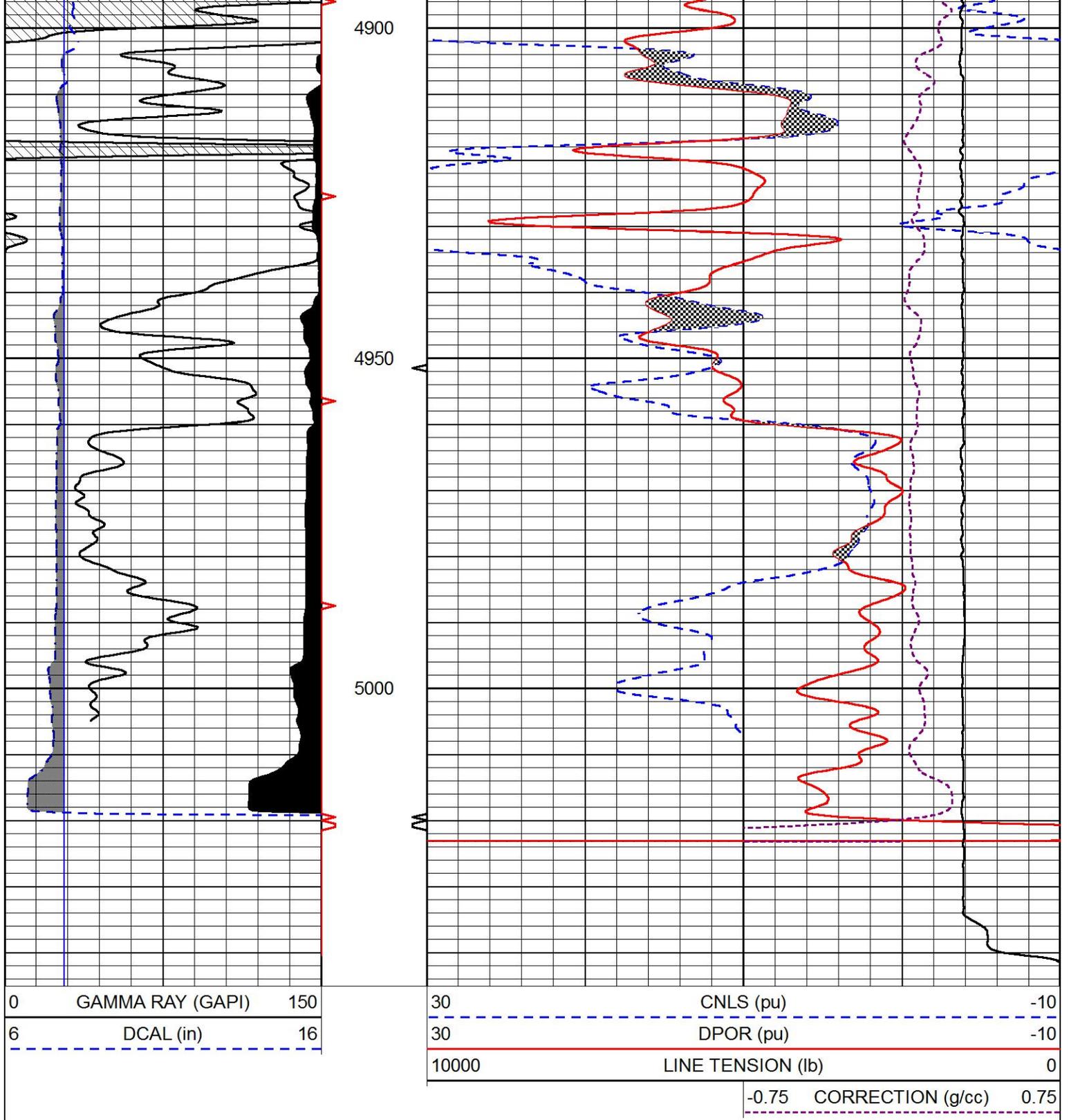








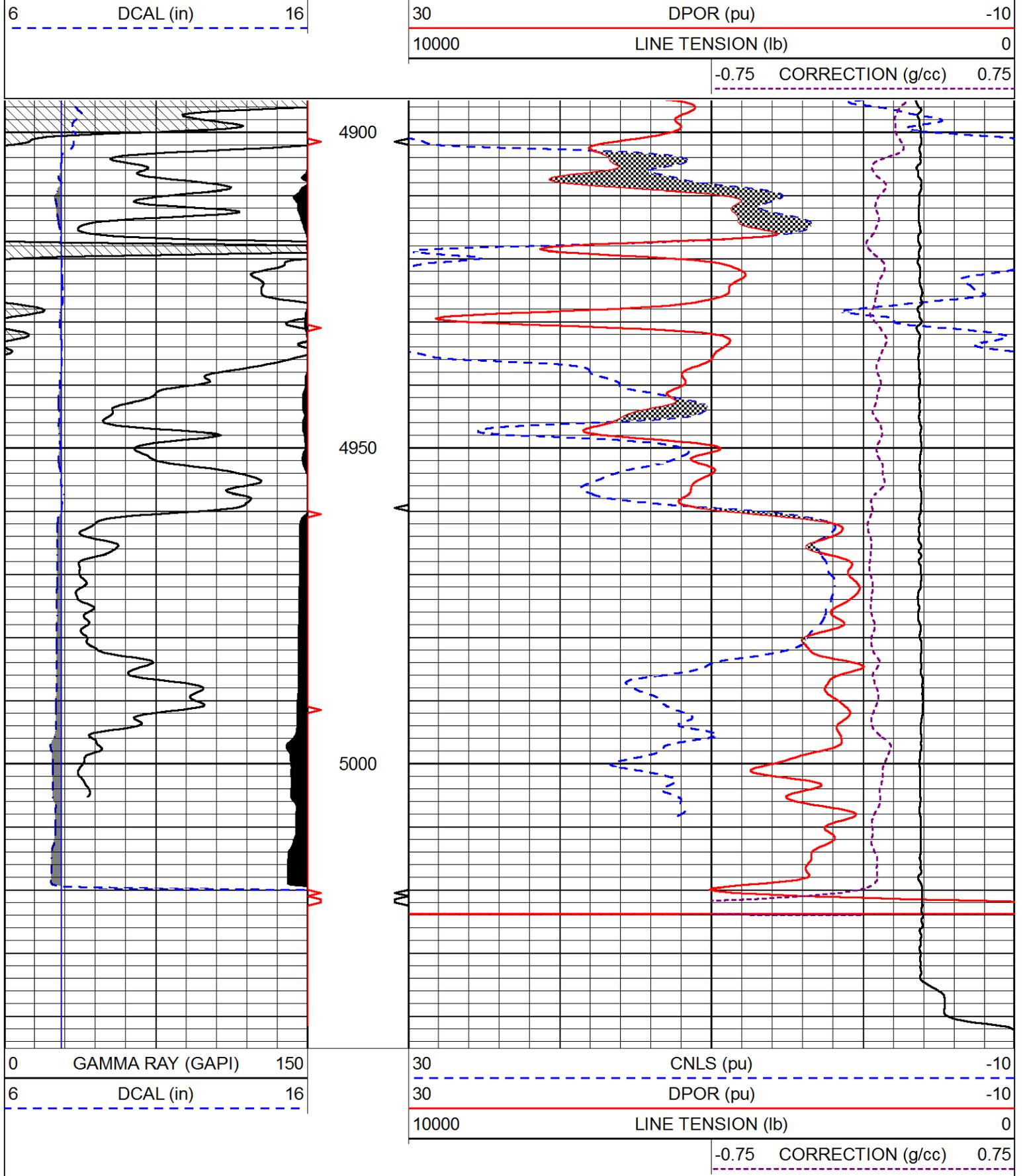




# REPEAT SECTION

Database File chizum\_gaskill 2-35.db  
 Dataset Pathname STKML/pass3.4  
 Presentation Format \_CNDLS~1  
 Dataset Creation Fri Apr 19 13:42:53 2019  
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File chizum\_gaskill 2-35.db  
 Dataset Pathname STKML/pass99  
 Dataset Creation Fri Apr 19 14:37:52 2019

Dual Induction Calibration Report

Serial-Model: 967 (HT)-PSI HIGH TEMP

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		Gain	Offset
Deep	167.000	835.000	0.000	255.800	mmho/m	0.565	-12.000
Medium	0.000	1348.000	142.000	255.800	mmho/m	0.390	-36.000

Compensated Density Calibration Report

Serial-Model: 96-916-M&W  
 Source / Verifier: 16955B / 2ci  
 Master Calibration Performed: Wed Mar 27 11:00:53 2019

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	8943.64	10054.60	cps
Aluminum	2.655	g/cc	1595.61	6242.82	cps
Spine Angle = 74.54			Density/Spine Ratio = 0.503		
	Size		Reading		
Small Ring	6.00	in	1.75		
Large Ring	16.00	in	1.46		

Compensated Neutron Calibration Report

Serial Number: 207-MW  
 Tool Model: M&W  
 Calibration Performed: WED FEB 13 10:30:30 2019

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: Fri Aug 24 11:16:10 2018

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps

Sensitivity: 0.6000 GAPI/cps



**PIONEER**

Pioneer Energy Services

Company CHIZUM OIL, LLC  
 Well GASKILL #2-35  
 Field UNKNOWN  
 County SHERMAN  
 State KANSAS

