



**RADIAL BOND LOG
WITH GAMMA RAY**

MIDWEST WIRELINE

Company		Shakespeare Oil Company, Inc.	
Well		Bloom #3-22	
Field		Cale North	
Co.		Gove	
State		Kansas	
Location:		API # : 15-063-22440-00-00	
Permanent Datum		2125 FSL & 2390 FEL SW NW NW SE	
Log Measured From		KB 9 Above Perm. Datum	
Drilling Measured From		Kelly Bushing	
SEC 22 TWP 11S RGE 31W		PERF	
Elevation		K.B. 2960 D.F. G.L. 2951	

Date of Service	4/11/2024		
Run Number	One		
Depth Driller or PBTID	4620		
Depth Logger	4565		
Bottom Log Interval	4564		
Top Log Interval	3350		
Open Hole Size	7.875		
Type Fluid	Water		
Fluid Level	300		
Fluid Density	8.4		
Max. Recorded Temperature	122		
Max. Wellhead Pressure	00		
Wellhead Connection	Flow T		
Estimated Cement Top	3454		
Unit Number	106		
Wireline Size	.288		
Location	Hays		
Recorded By	Justin Trout		
Witnessed By	Brian Cable		
	Size	WFt	Top
Tubing Record			Bottom
Surface Casing	8.625	23	0
Production Casing	4.5	11.6	0
Liner Record			TD

<<< Fold Here >>>

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.

I 70 and Campus Exit, 2.5 S on Rd 18 past farm to Private Drive
1/2 W, North into

THANK YOU FOR USING MIDWEST WIRELINE LLC!

Your Midwest Wireline Crew	Tool Data - Services	Serial Number
Engineer: Justin Trout Operator: Operator: Operator:		

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

Top - Bottom

BOREID in 7.875	BOTTEMP degF 122	CASEOD in 4.5	CASETHCK in 0.25	CASEWGHT lb/ft 11.6	MAXAMPL mV 0	MINAMPL mV 1	MINATTN db/ft 0.08
PERFS 0	PPT usec 0	SRFTEMP degF 40	TDEPTH ft 4565				

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness

CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation

PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth



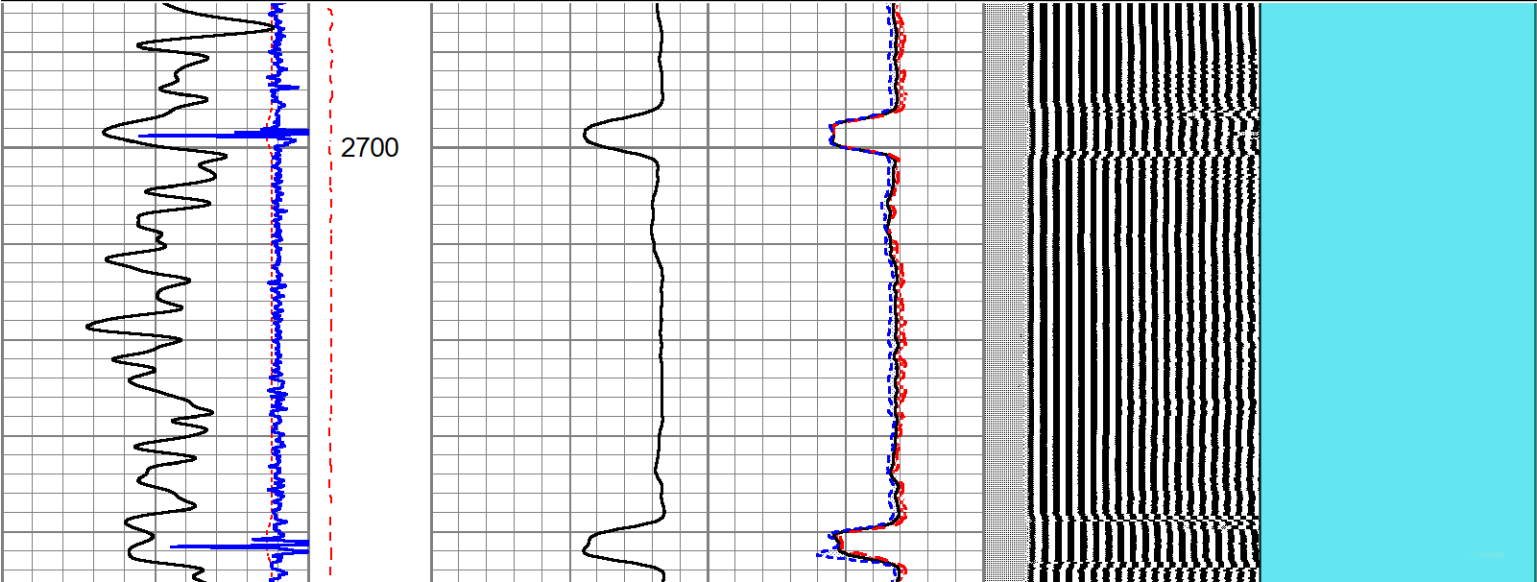
FREE PIPE SECTION

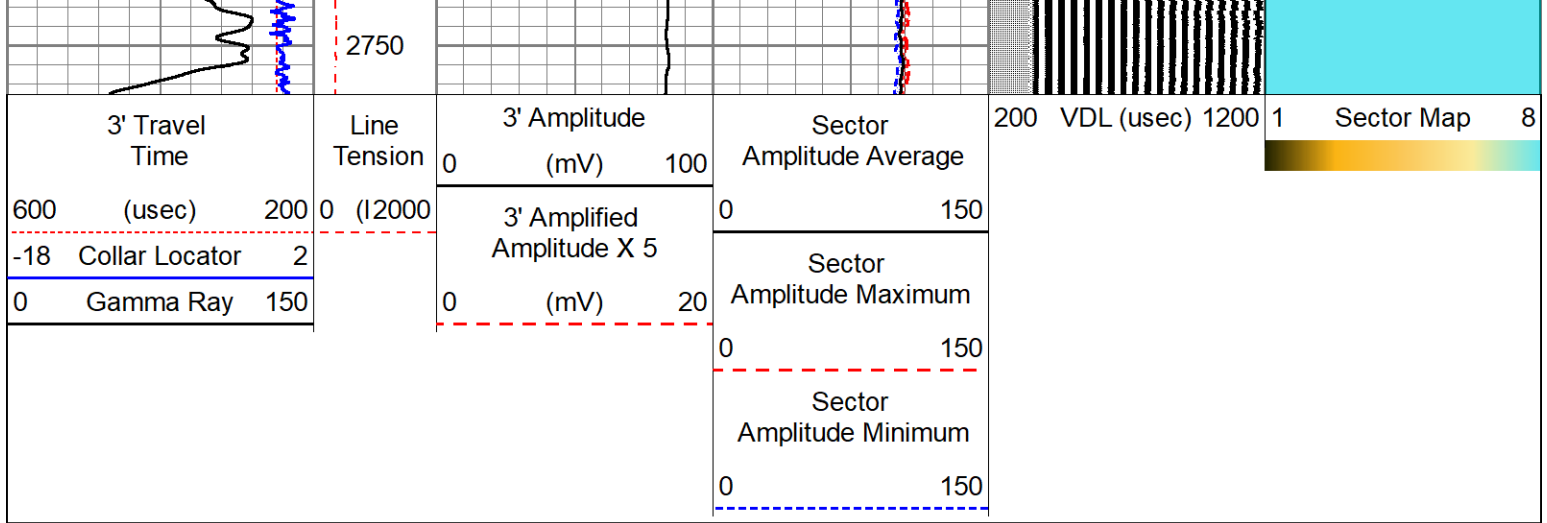
ZERO PSI APPLIED AT SURFACE

Database File
Dataset Pathname
Presentation Format
Dataset Creation
Charted by

shakespeare_bloom #3-22.db
SCBL/pass2
PINR_S~1
Mon Apr 01 11:26:20 2024
Depth in Feet scaled 1:240

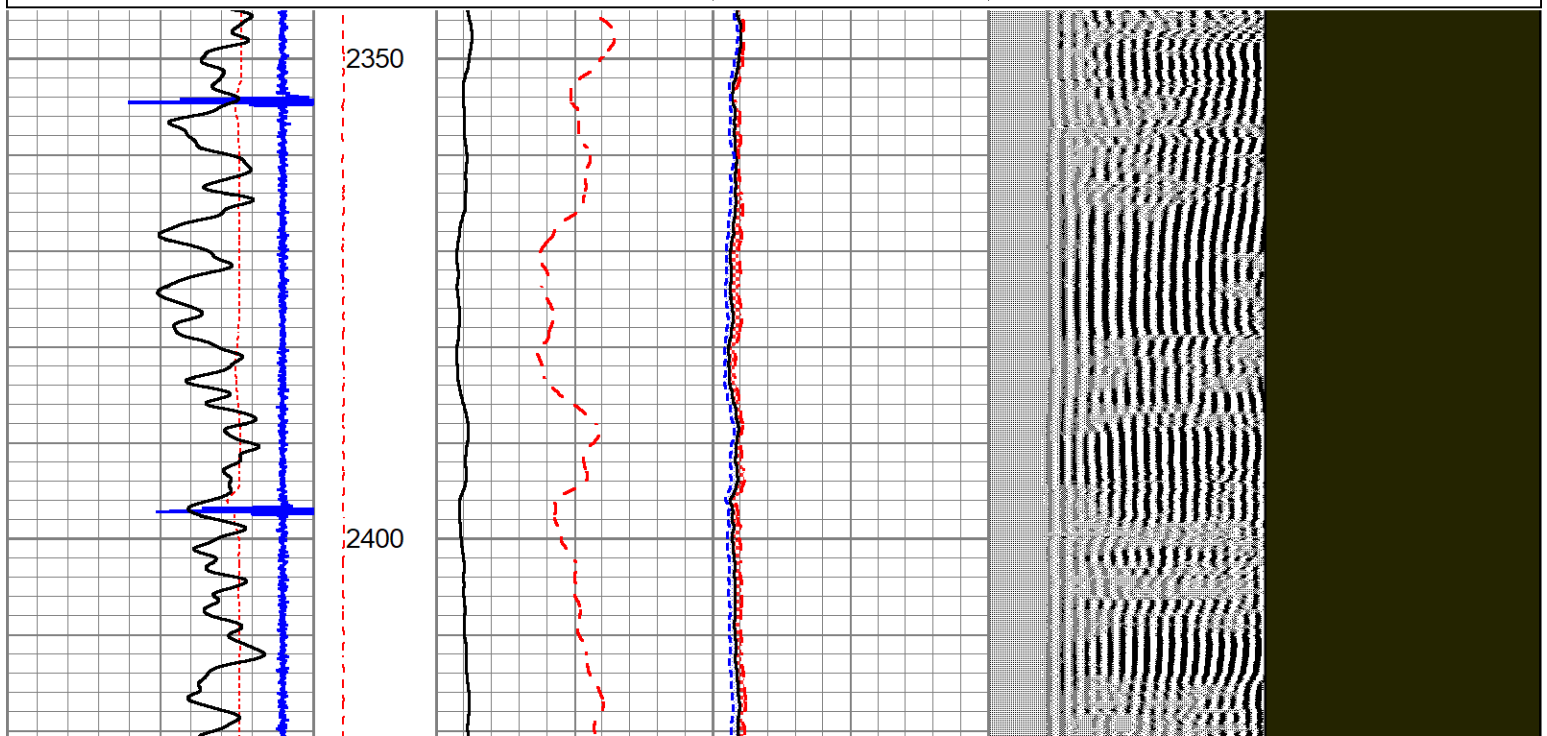
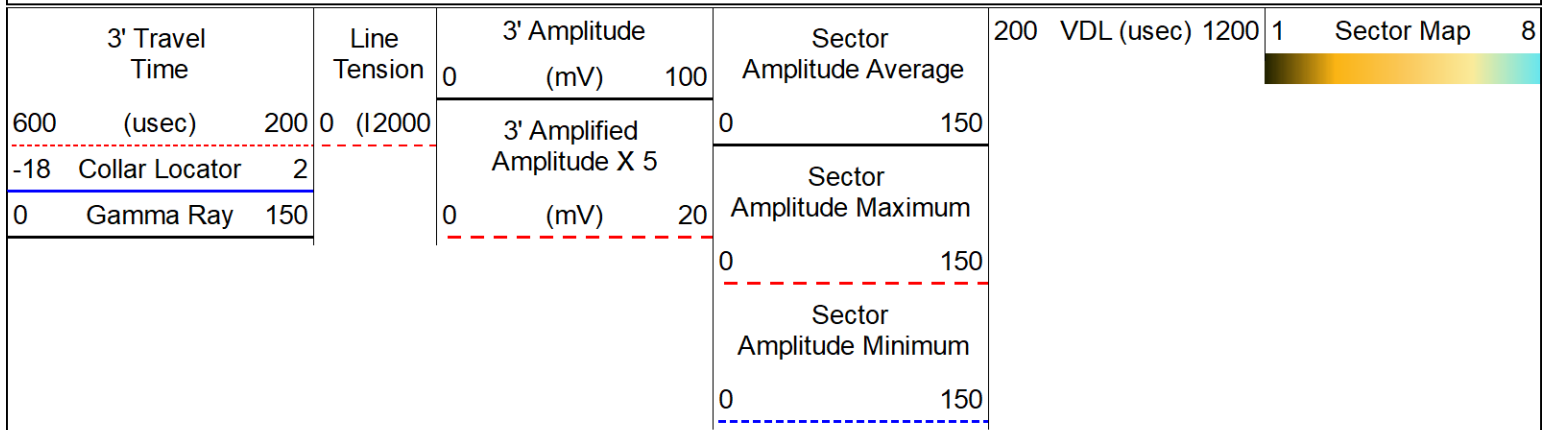
3' Travel Time			Line Tension	3' Amplitude		Sector Amplitude Average	200 VDL (usec) 1200	1	Sector Map	8	
		0		(mV)	100						
600 (usec) 200		3' Amplified Amplitude X 5		0	150						
-18 Collar Locator 2											
0 Gamma Ray 150				0	(mV)	20	Sector Amplitude Maximum				
						0	150				
						Sector Amplitude Minimum					
						0	150				

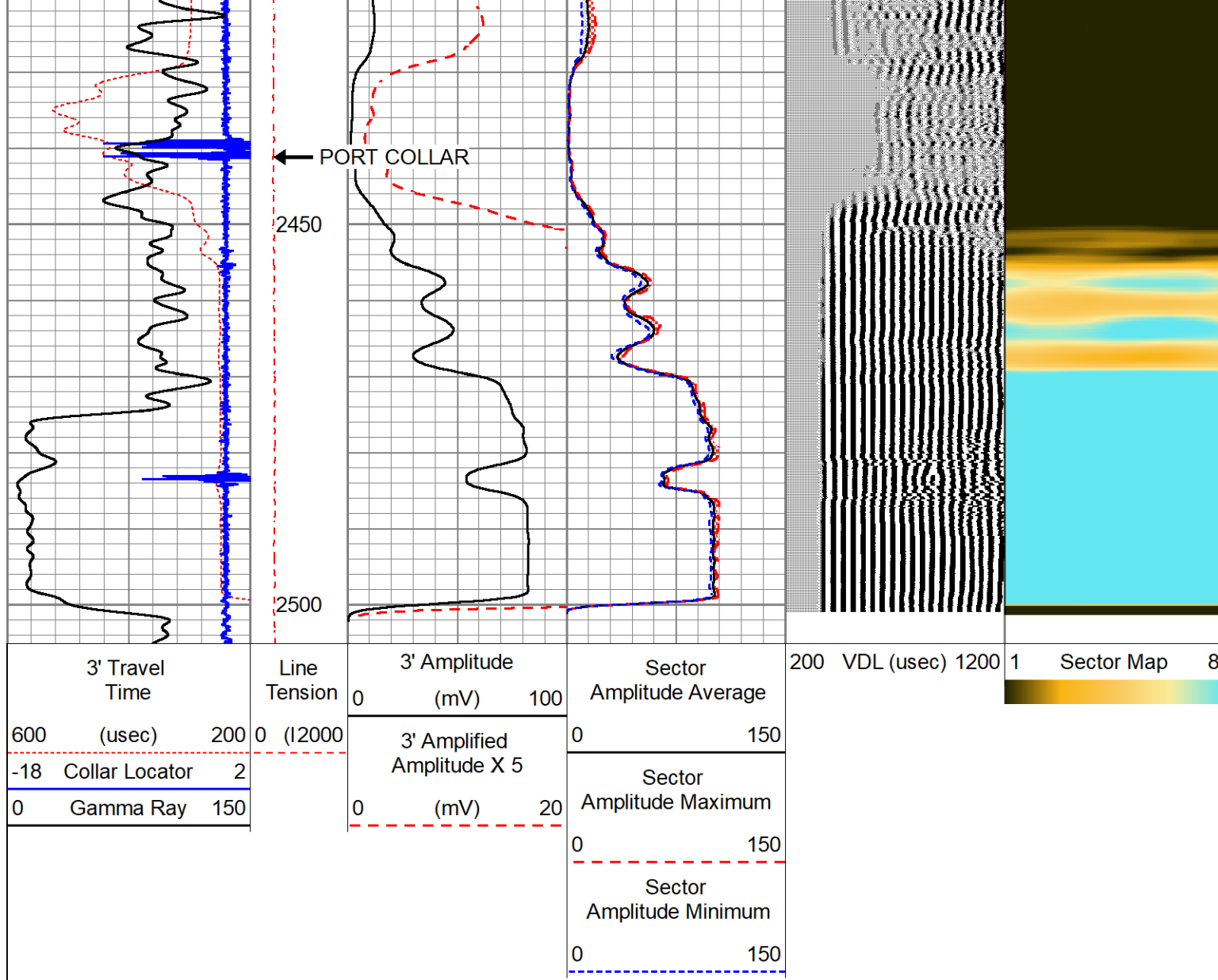




PORT COLLAR

Database File shakespeare_bloom #3-22.db
Dataset Pathname SCBL/pass5
Presentation Format PINR_S~1
Dataset Creation Mon Apr 01 12:10:07 2024
Charted by Depth in Feet scaled 1:240



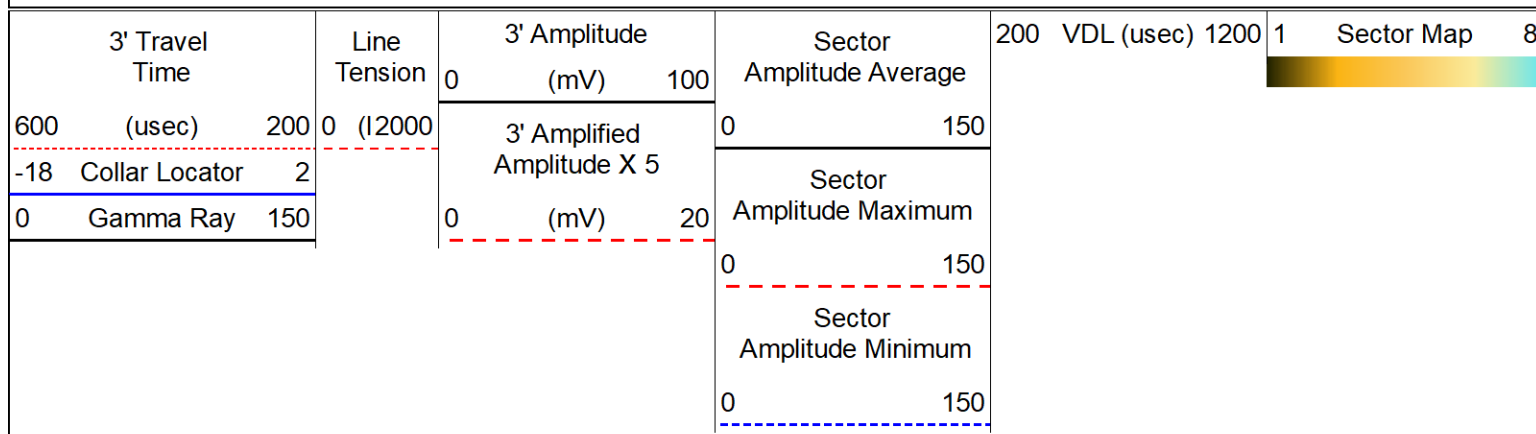


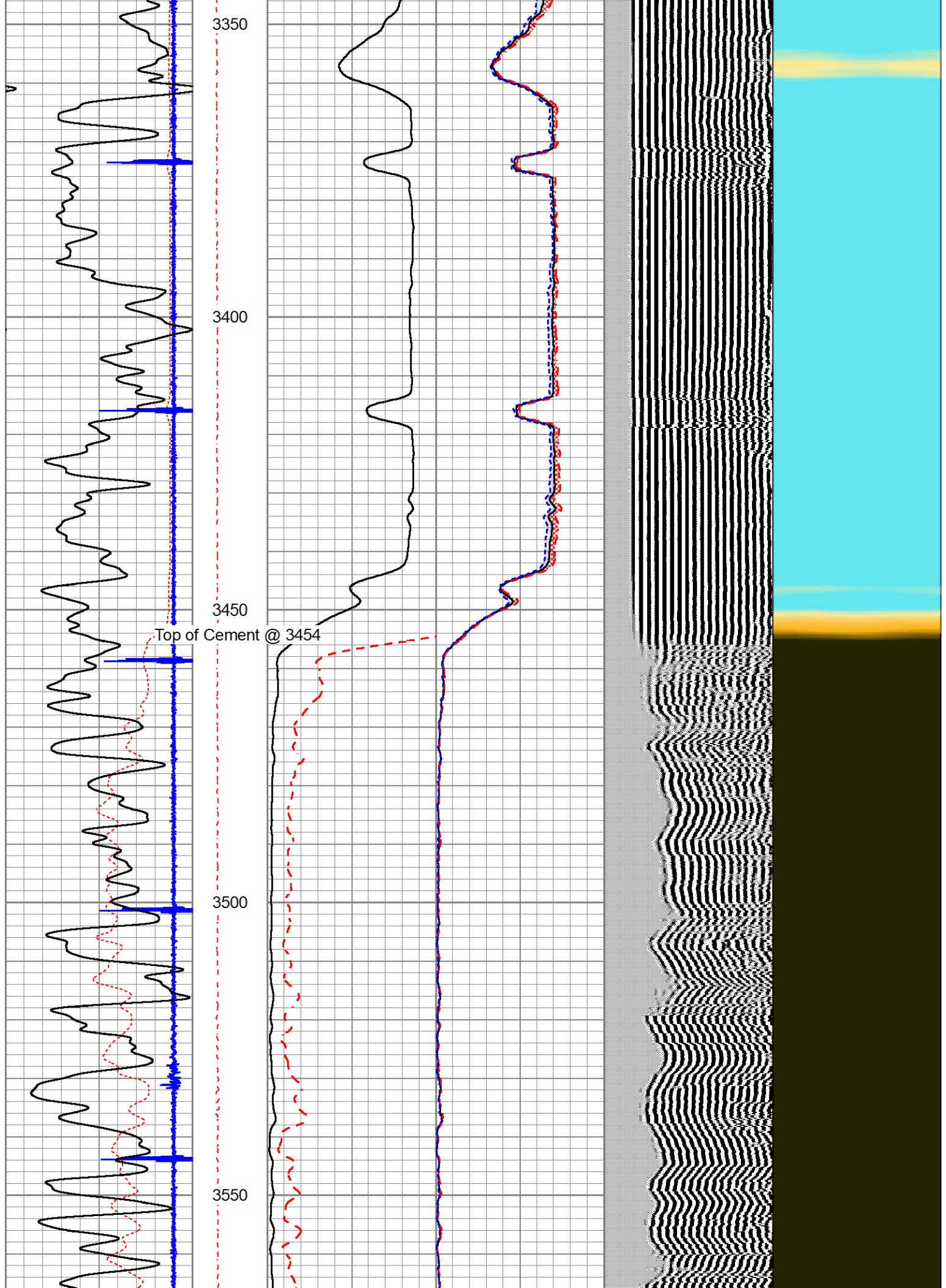
MIDWEST WIRELINE

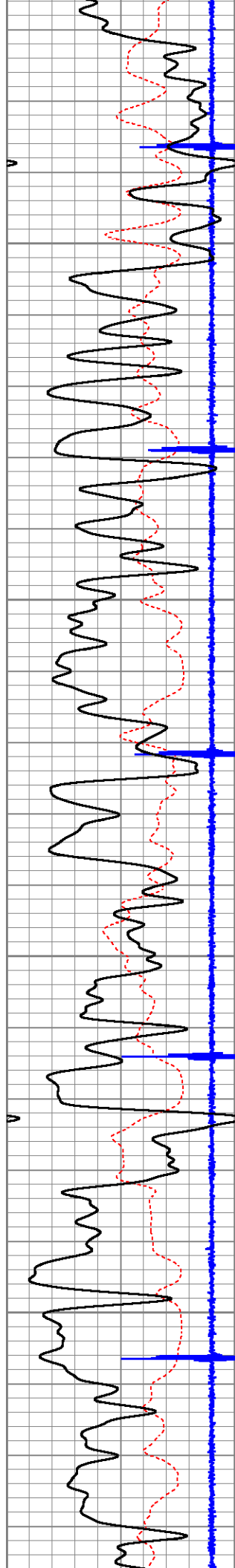
MAIN LOG

ZERO PSI APPLIED AT SURFACE

Database File shakespeare_bloom #3-22.db
Dataset Pathname SCBL/pass4
Presentation Format PINR_S~1
Dataset Creation Mon Apr 01 11:41:41 2024
Charted by Depth in Feet scaled 1:240





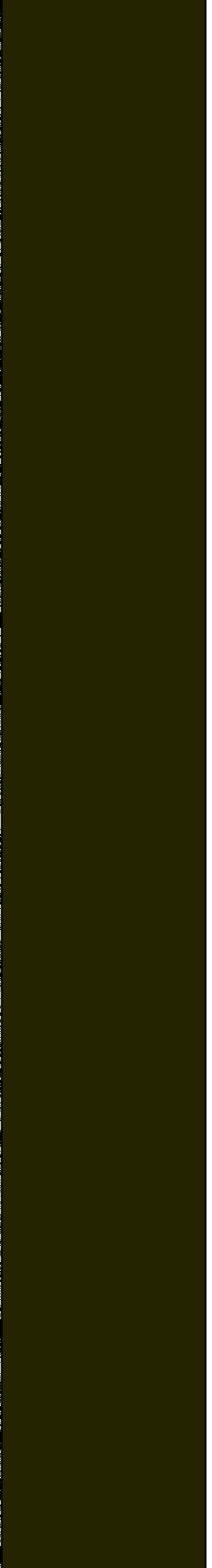
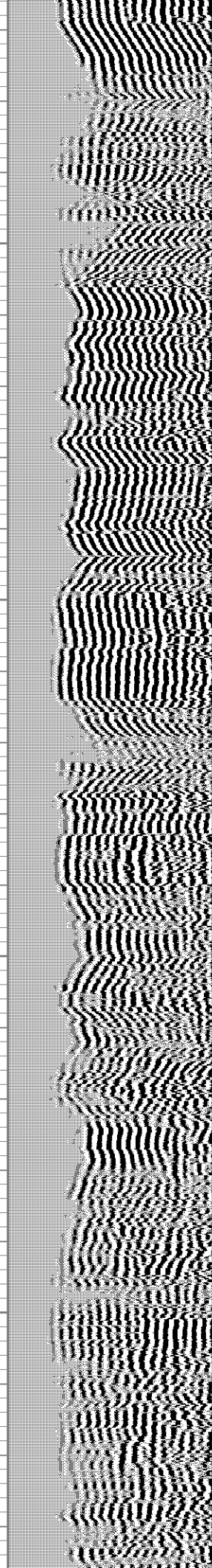
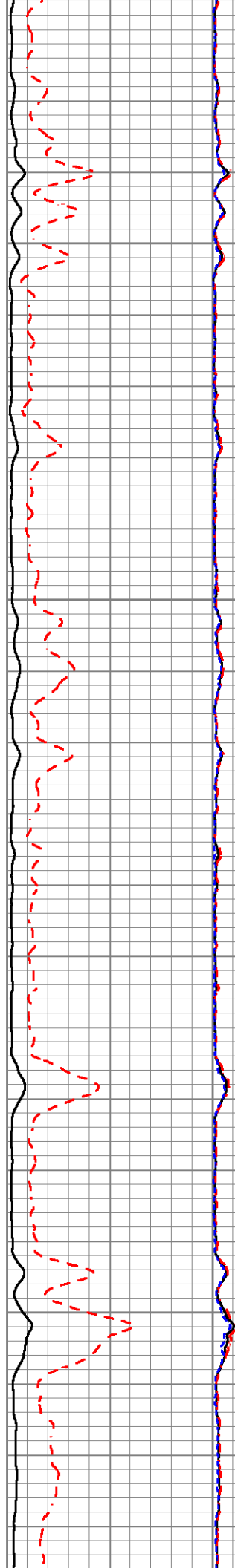


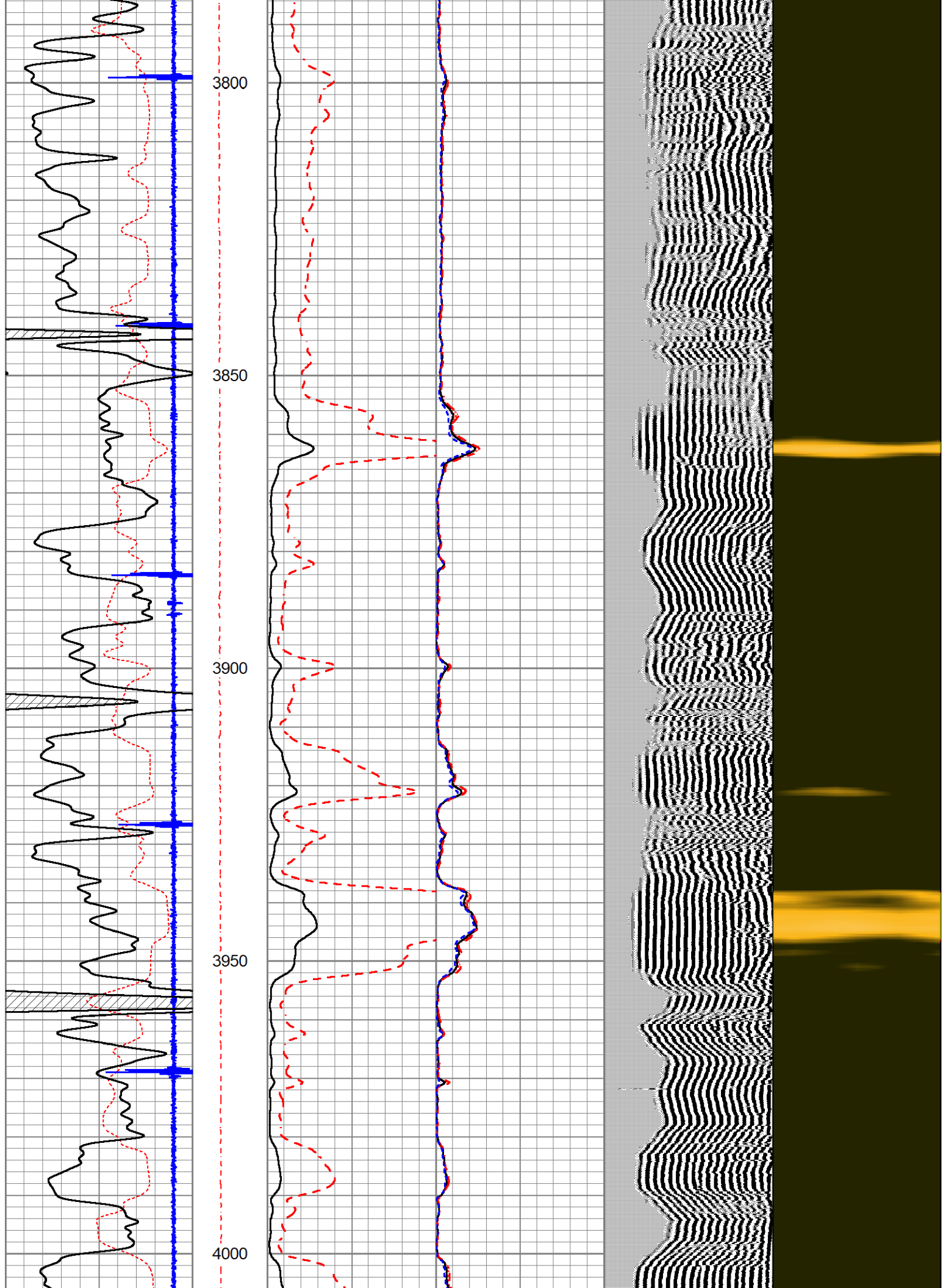
3600

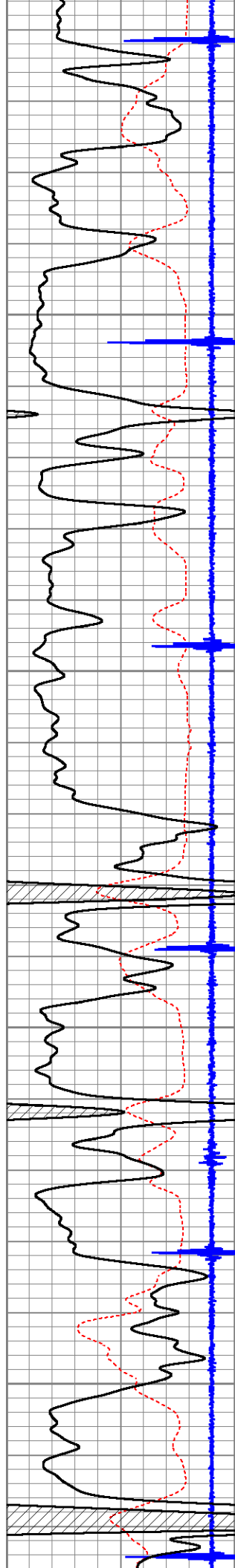
3650

3700

3750





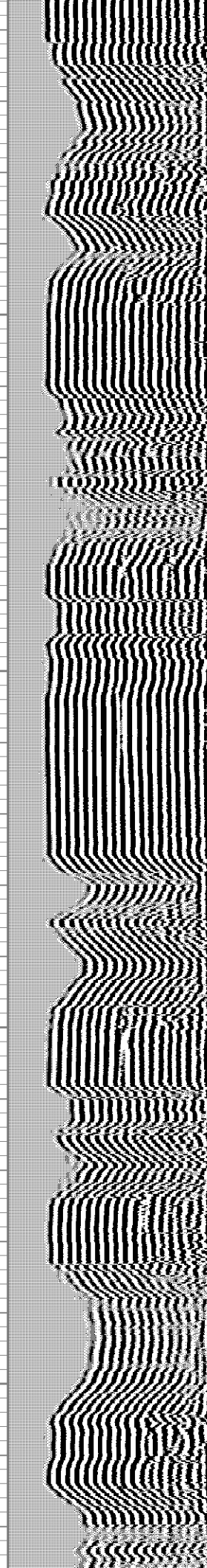
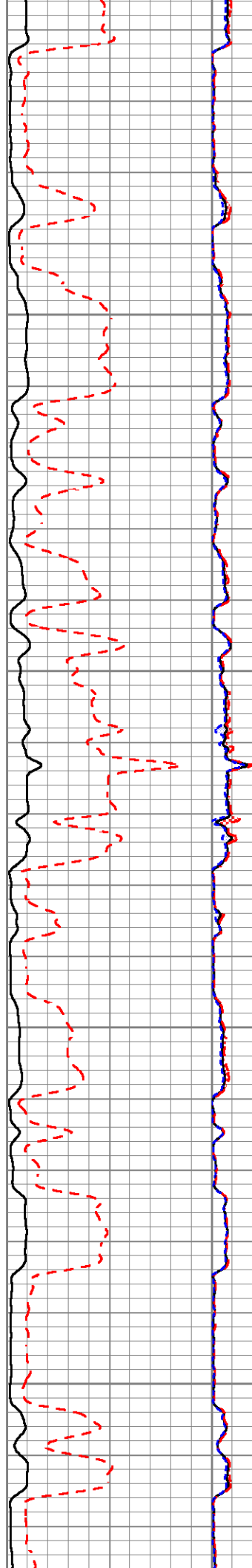


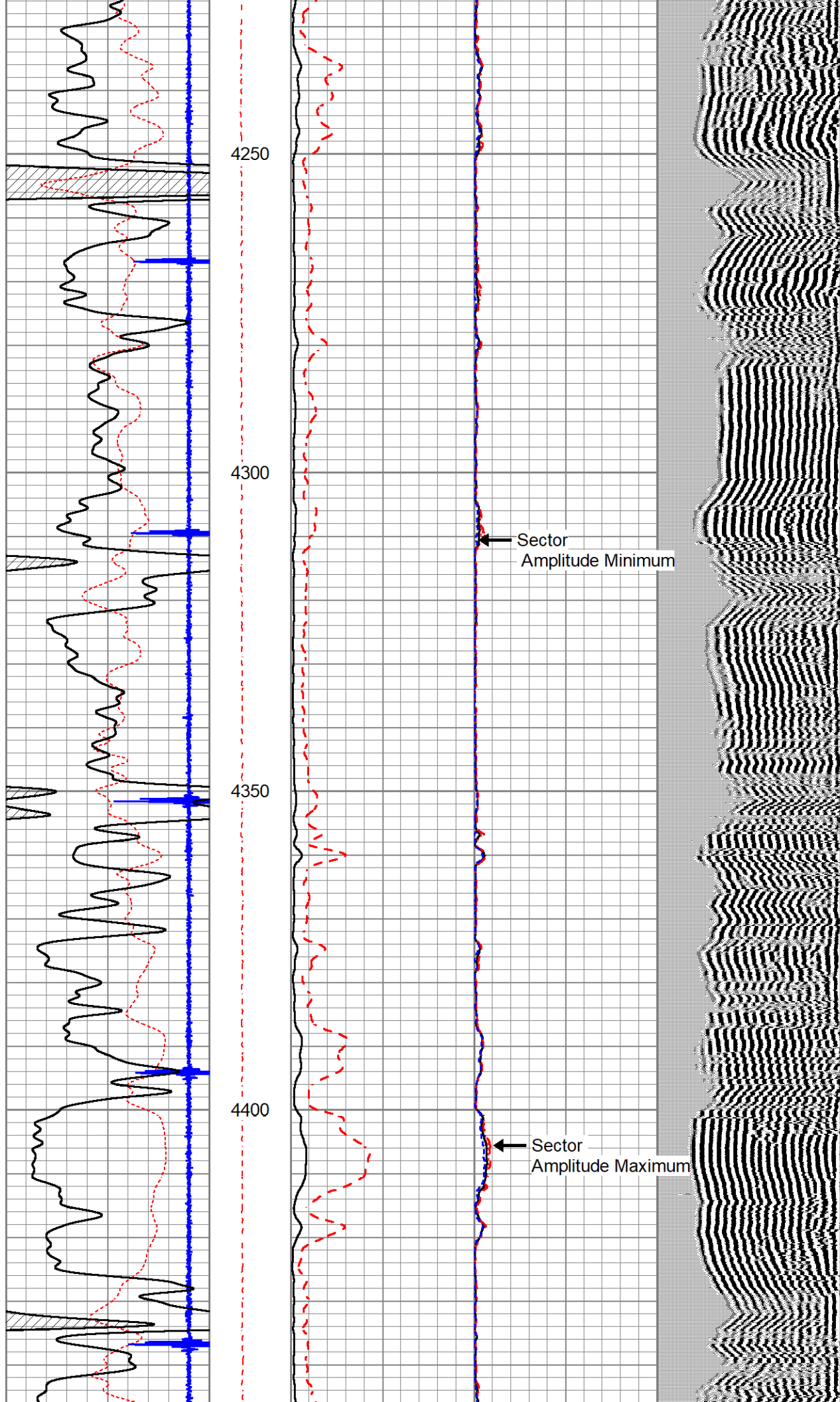
4050

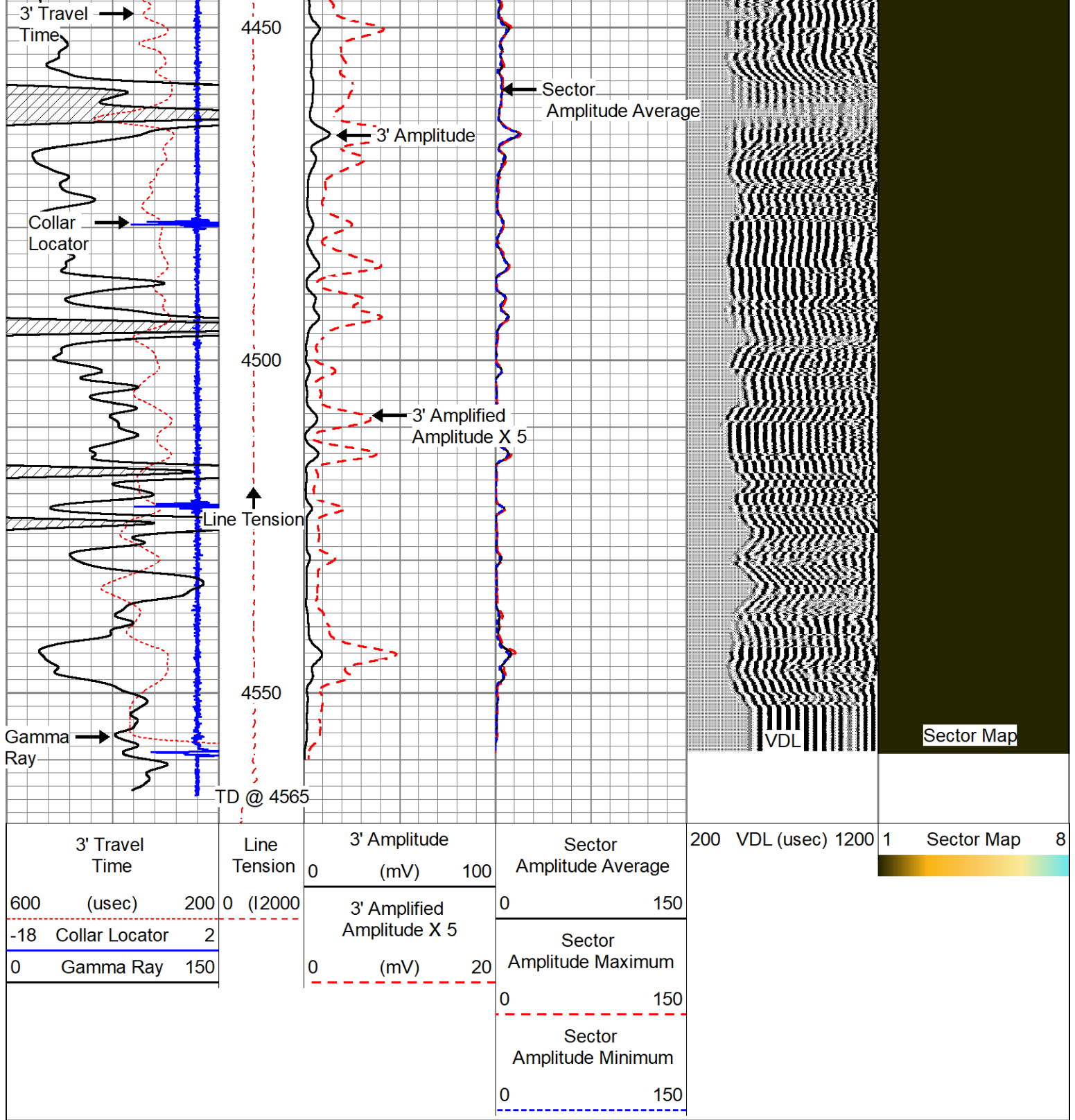
4100

4150

4200



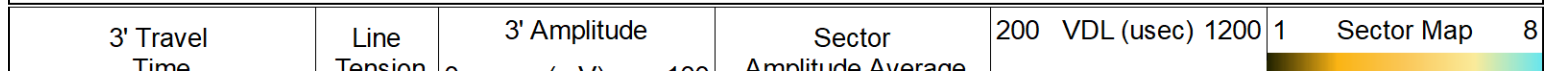




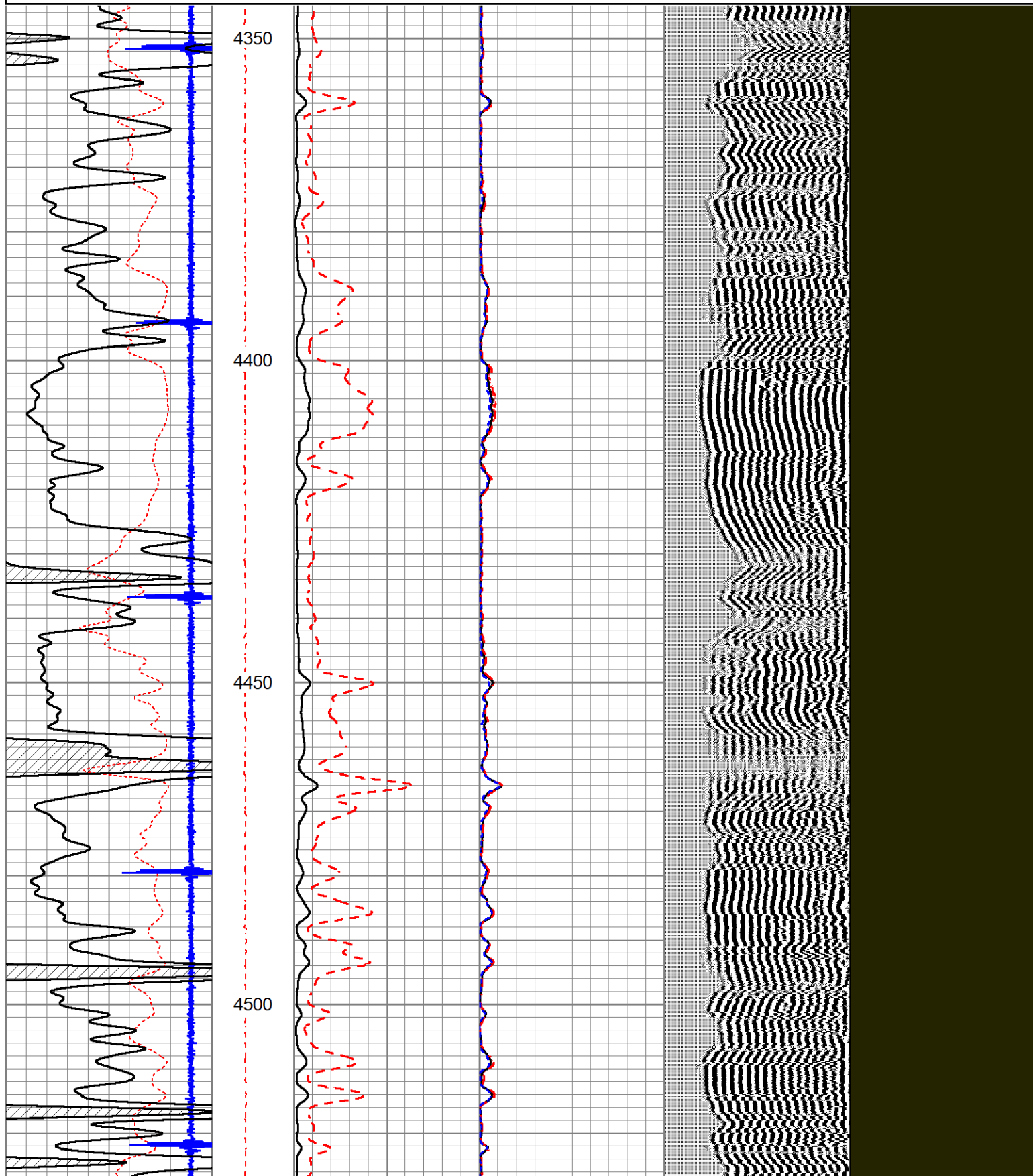
REPEAT SECTION

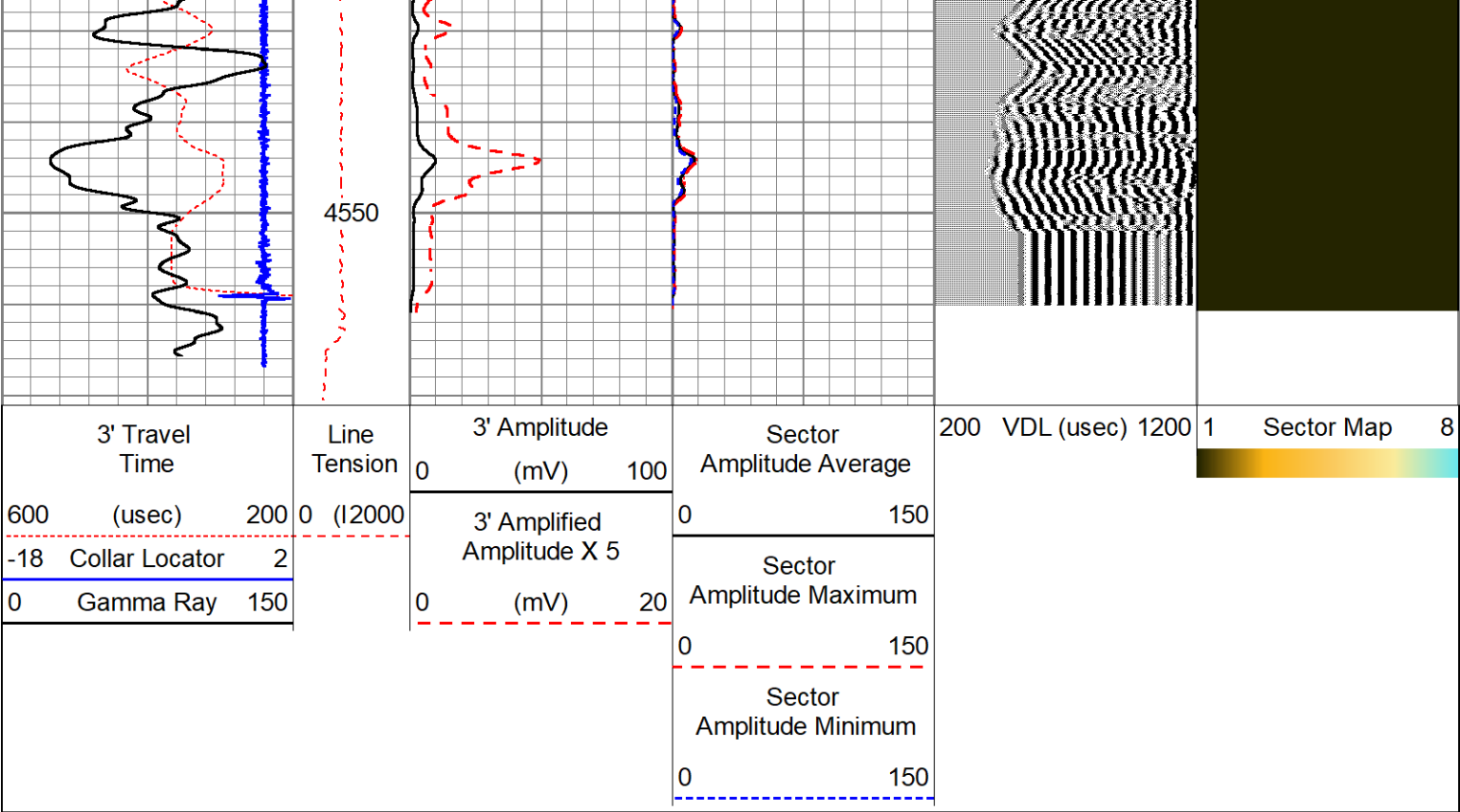
ZERO PSI APPLIED AT SURFACE

Database File shakespeare_bloom #3-22.db
Dataset Pathname SCBL/pass3
Presentation Format PINR_S~1
Dataset Creation Mon Apr 01 11:35:35 2024
Charted by Depth in Feet scaled 1:240



Time	Amplitude	Amplitude Average
600 (usec)	200	0 100 150
-18 Collar Locator	2	Sector Amplitude Maximum
0 Gamma Ray	150	0 150
		Sector Amplitude Minimum
		0 150





Calibration Report						
Database File	shakespeare_bloom #3-22.db					
Dataset Pathname	SCBL/pass4					
Dataset Creation	Mon Apr 01 11:41:41 2024					
Gamma Ray Calibration Report						
Serial Number:	111032					
Tool Model:	2 3/4" Probe					
Performed:	Tue Apr 3 09:45:00 2018					
Calibrator Value:	1.0					
Background Reading:	0.0	cps				
Calibrator Reading:	1.0	cps				
Sensitivity:	1.0000	/cps				
Segmented Cement Bond Log Calibration Report						
Serial Number:	PR-012					
Tool Model:	RBL-D					
Calibration Casing Diameter:	4.500	in				
Calibration Depth:	2679.599	ft				
Master Calibration, performed Mon Apr 1 11:26:02 2024:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	1.826	0.700	81.196	44.168	0.543
CAL	0.004	2.340				
5'	0.004	1.568	0.700	81.196	51.466	0.511
SUM						
S1	0.004	1.932	0.000	100.000	51.855	-0.192
S2	0.004	1.935	0.000	100.000	51.770	0.189

S2	0.004	1.933	0.000	100.000	51.770	-0.189
S3	0.004	1.861	0.000	100.000	53.849	-0.197
S4	0.004	1.740	0.000	100.000	57.598	-0.207
S5	0.004	1.627	0.000	100.000	61.611	-0.217
S6	0.004	1.645	0.000	100.000	60.939	-0.216
S7	0.004	1.746	0.000	100.000	57.393	-0.208
S8	0.004	1.872	0.000	100.000	53.523	-0.196

Air Zero Calibration, performed Fri Mar 15 10:06:49 2024:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000



MIDWEST WIRELINE

Company Shakespeare Oil Company, Inc.
Well Bloom #3-22
Field Cale North
County Gove
State Kansas