MIDWEST WIRELINE

RADIAL BOND LOG
WITH GAMMA RAY

Company **Shakespeare Oil Company Inc.**
Well **Franz #1-26**
Field **Cleveland Creek West**
County **Gove** State **Kansas**

Location: API # : 15-063-22398-00-00
2050 FSL & 650 FWL
SE - NW - NW - SW
SEC 26 TWP 11S RGE 31W

Other Services
Perforate

Elevation
K.B. 2906
D.F. 2904
G.L. 2895

Permanent Datum Ground Level Elevation 2895
Log Measured From KB 11 Above Perm. Datum
Drilling Measured From Kelly Bushing

Comp. Shakespeare Oil Company Inc.
Well Franz #1-26
Field Cleveland Creek West
Co. Gove
State Kansas

Date of Service	4/5/2022			
Run Number	One			
Depth Driller or PBTD	4608			
Depth Logger	4564			
Bottom Log Interval	4562			
Top Log Interval	3150'			
Open Hole Size	7.875			
Type Fluid	Water			
Fluid Level	300			
Fluid Density				
Max. Recorded Temperature	121 Deg. F.			
Max. Wellhead Pressure	00 PSI			
Wellhead Connection	Open			
Estimated Cement Top	3280			
Unit Number	T-106			
Wireline Size	.288			
Location	Hays KS			
Recorded By	M. Hiss			
Witnessed By	Kyle Roby			

	Size	Wt/Ft	Top	Bottom
Tubing Record				
Surface Casing	8.625	23	00	266
Production Casing	5.5	15.5	00	TD
Liner 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.

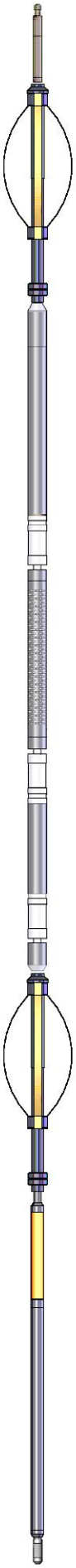
Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
I-70 & Campus Exit, 3 South, East Into.

THANK YOU FOR USING MIDWEST WIRELINE LLC!

Your Midwest Wireline Crew	Tool Data - Services	Serial Number
Engineer: M. Hiss		
Operator: J. Rome		
Operator:		
Operator:		

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

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			Cable Head-Titan_144 1 7/16" Titan Cable Head	1.03	1.44	2.00
			Centralizer-275 Probe 2 3/4" Probe Adjustable Spring Centralizer	2.88	2.75	15.00
			PROBE-RBT-DIGITAL-RBL-D (PR-012) Probe 2 3/4" Radii Bond-Digital	8.75	2.75	100.00
WVFS8	11.94					
WVFS7	11.94					
WVFS6	11.94					
WVFS5	11.94					
WVFS4	11.94					
WVFS3	11.94					
WVFS2	11.94					
WVFS1	11.94					
WVFCAL	11.94					
WVF3FT	11.94					
WVF5FT	10.94					
HEADVOLT	7.75					
			Centralizer-275 Probe 2 3/4" Probe Adjustable Spring Centralizer	2.88	2.75	15.00
CCL	3.96					
GR	2.63		GR_CCL-2 3/4" Probe (060802)	4.54	2.75	50.00
			Bullnose-PROBE Probe Go Pin Pressure Cap	0.33	1.38	1.00

Dataset: shakespeare_franz_#1_26_scbl.db: field/well/run1/pass6
Total length: 20.41 ft
Total weight: 183.00 lb
O.D.: 2.75 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\shakespeare_franz_#1_26_scbl.db
Dataset field/well/run1/pass6/_vars_

Top - Bottom

BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN db/ft
7.875	121	5.5	0.275	15.5	0	1	0.08

PERFS	PPT usec	SRFTEMP degF	TDEPTH ft
0	0	50	4564

Variable Description

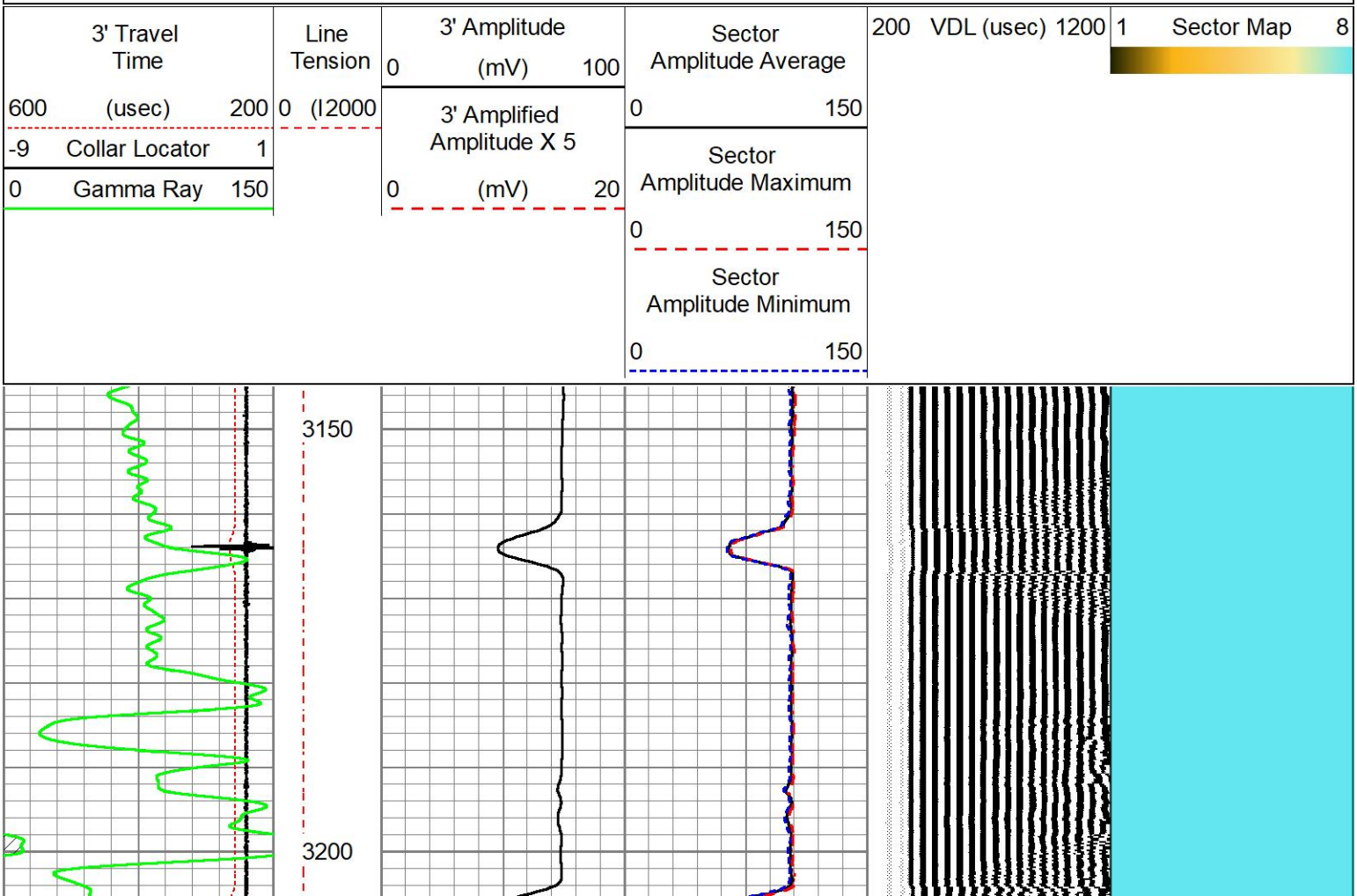
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth

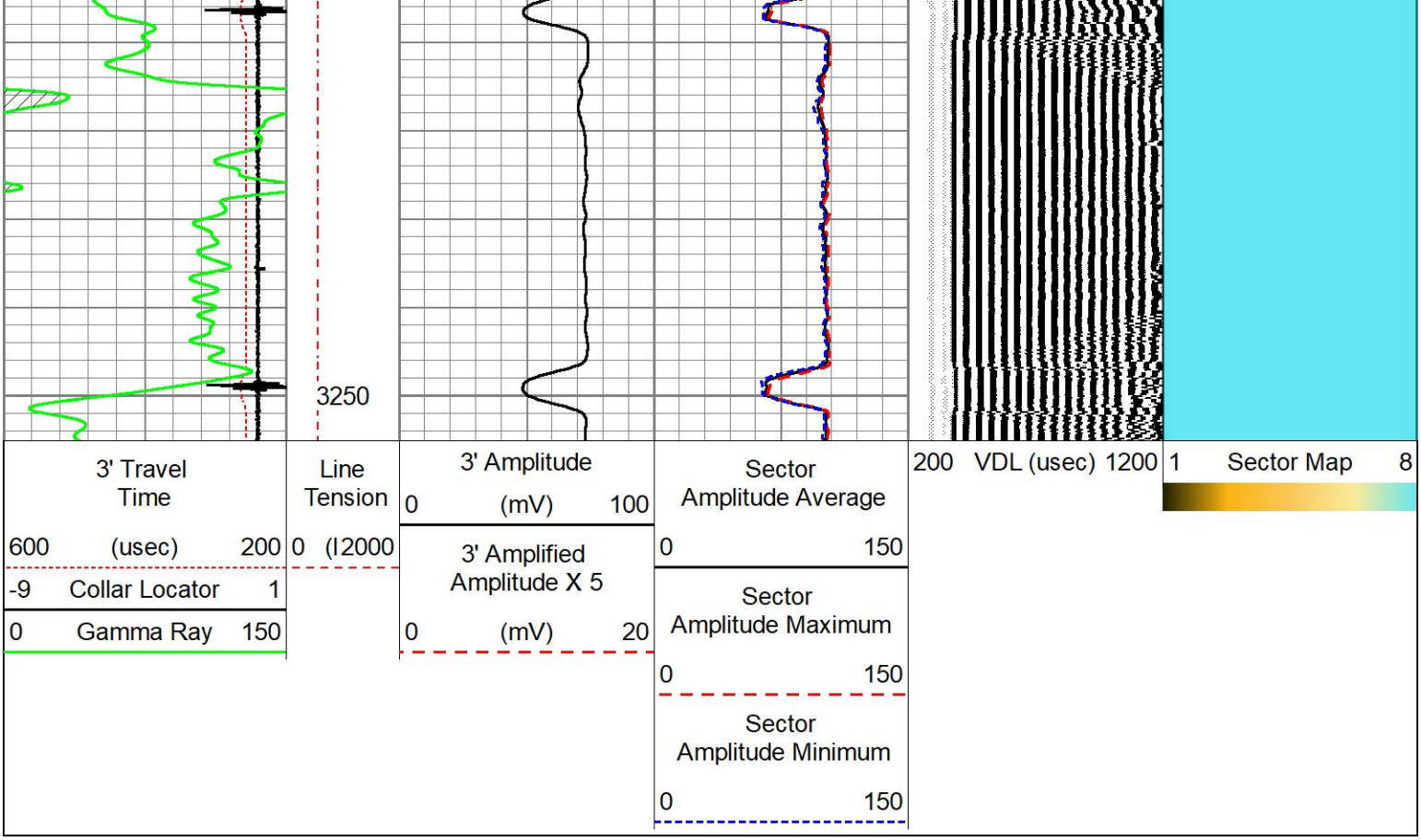
MIDWEST WIRELINE

FREE PIPE SECTION

ZERO PSI APPLIED AT SURFACE

Database File	shakespeare_franz_#1_26_scbl.db
Dataset Pathname	pass2
Presentation Format	pinr_scbl
Dataset Creation	Tue Apr 05 09:53:15 2022
Charted by	Depth in Feet scaled 1:240



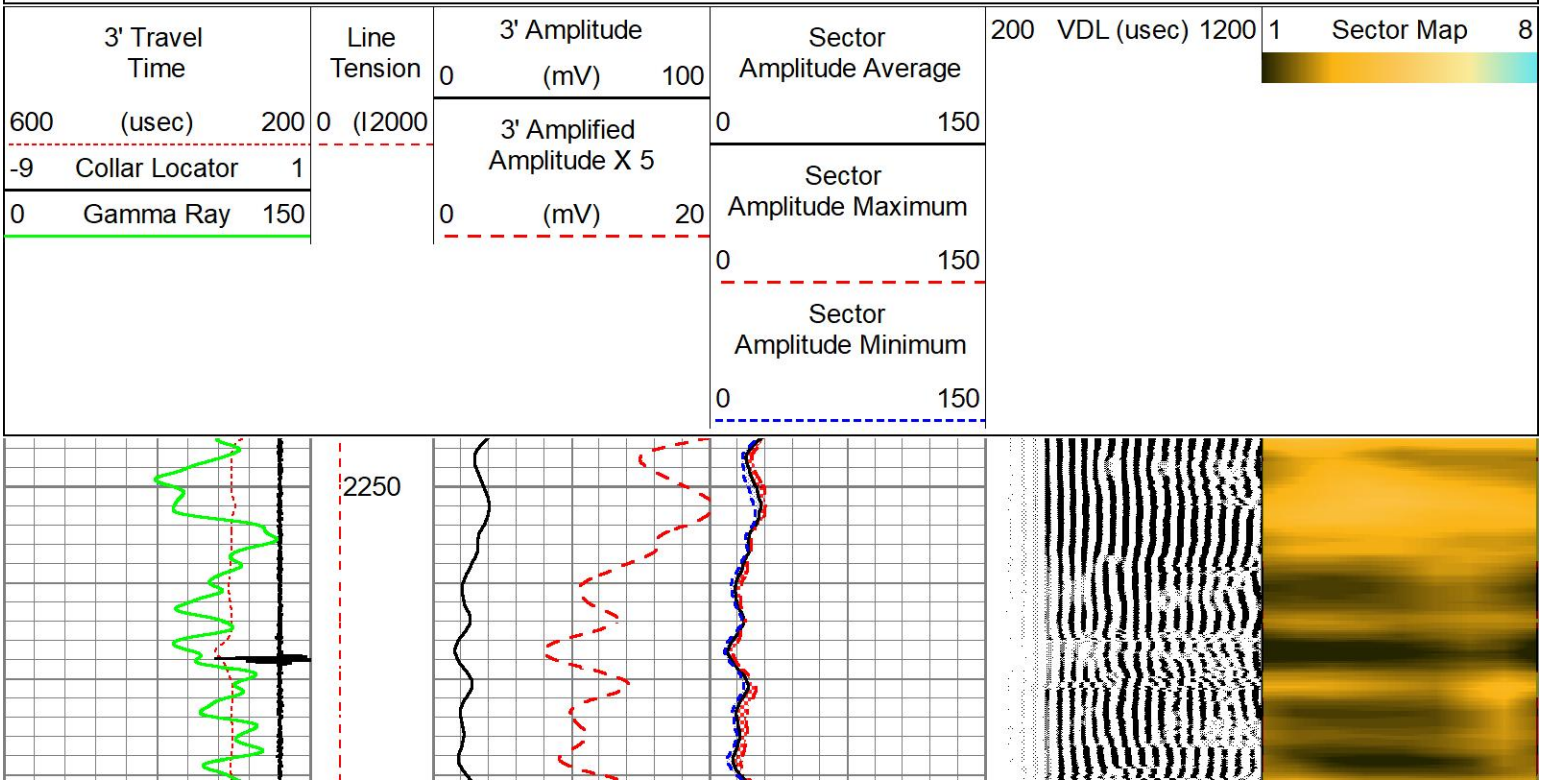


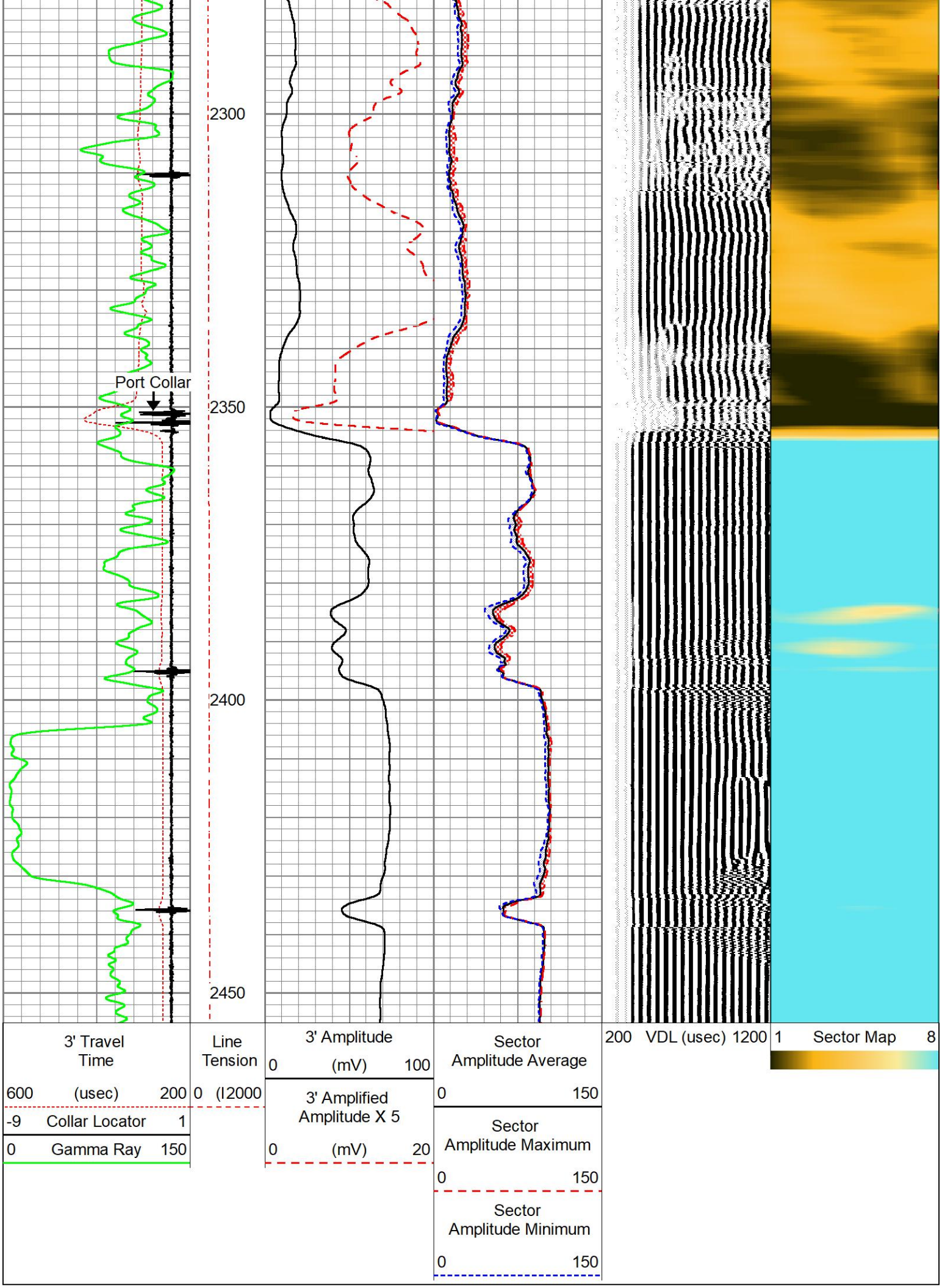
MIDWEST WIRELINE

MAIN LOG

Port Collar @ 2351'

Database File	shakespeare_franz_#1_26_scbl.db
Dataset Pathname	pass6
Presentation Format	pinr_scbl
Dataset Creation	Tue Apr 05 10:35:03 2022
Charted by	Depth in Feet scaled 1:240



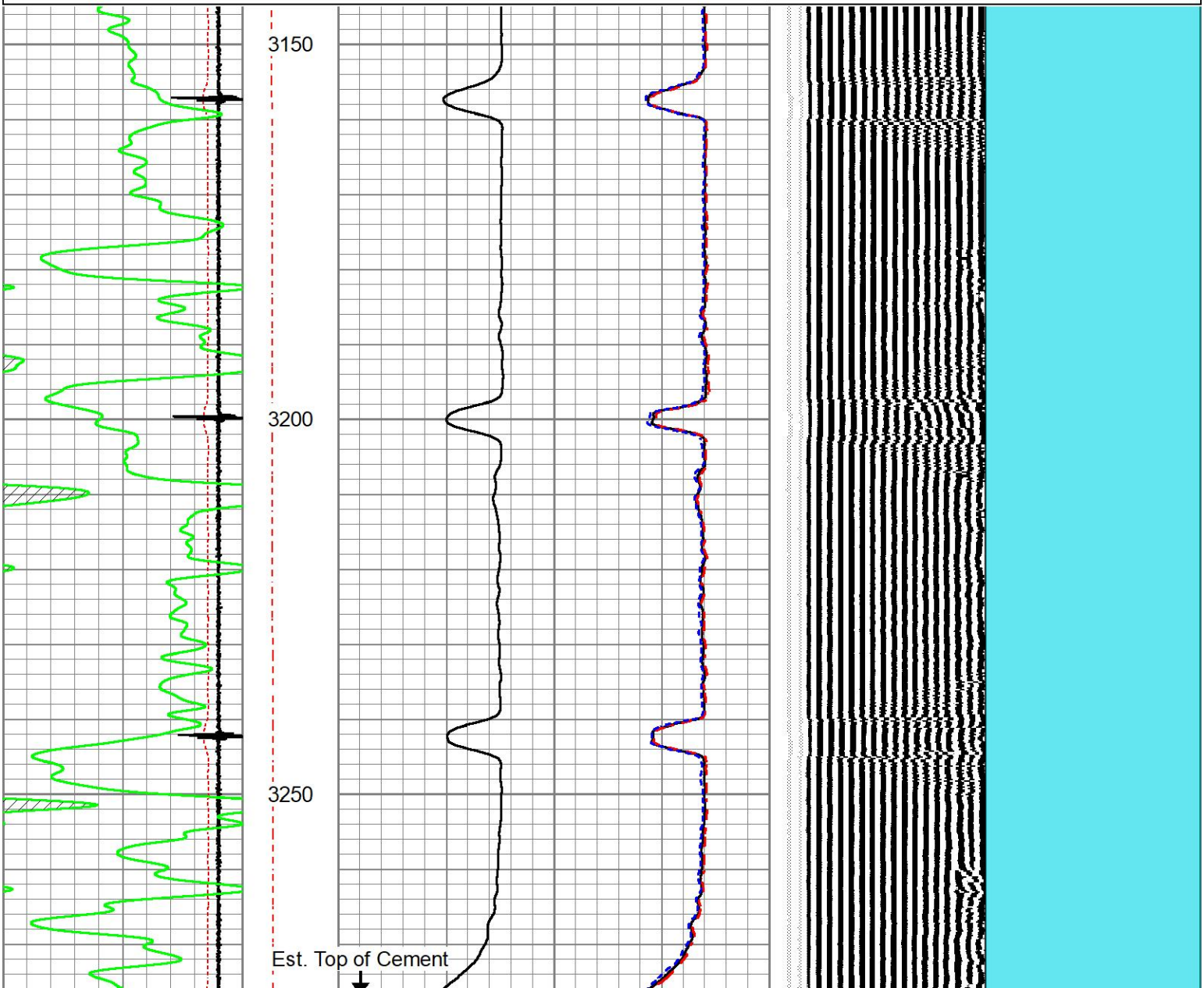

Port Collar
2300
2350
2400
2450
3' Travel Time
600 (usec) 200
-9 Collar Locator 1
0 Gamma Ray 150
Line Tension
0 (I2000
3' Amplitude
0 (mV) 100
3' Amplified Amplitude X 5
0 (mV) 20
Sector Amplitude Average
0 150
Sector Amplitude Maximum
0 150
Sector Amplitude Minimum
0 150
200 VDL (usec) 1200
1 Sector Map 8

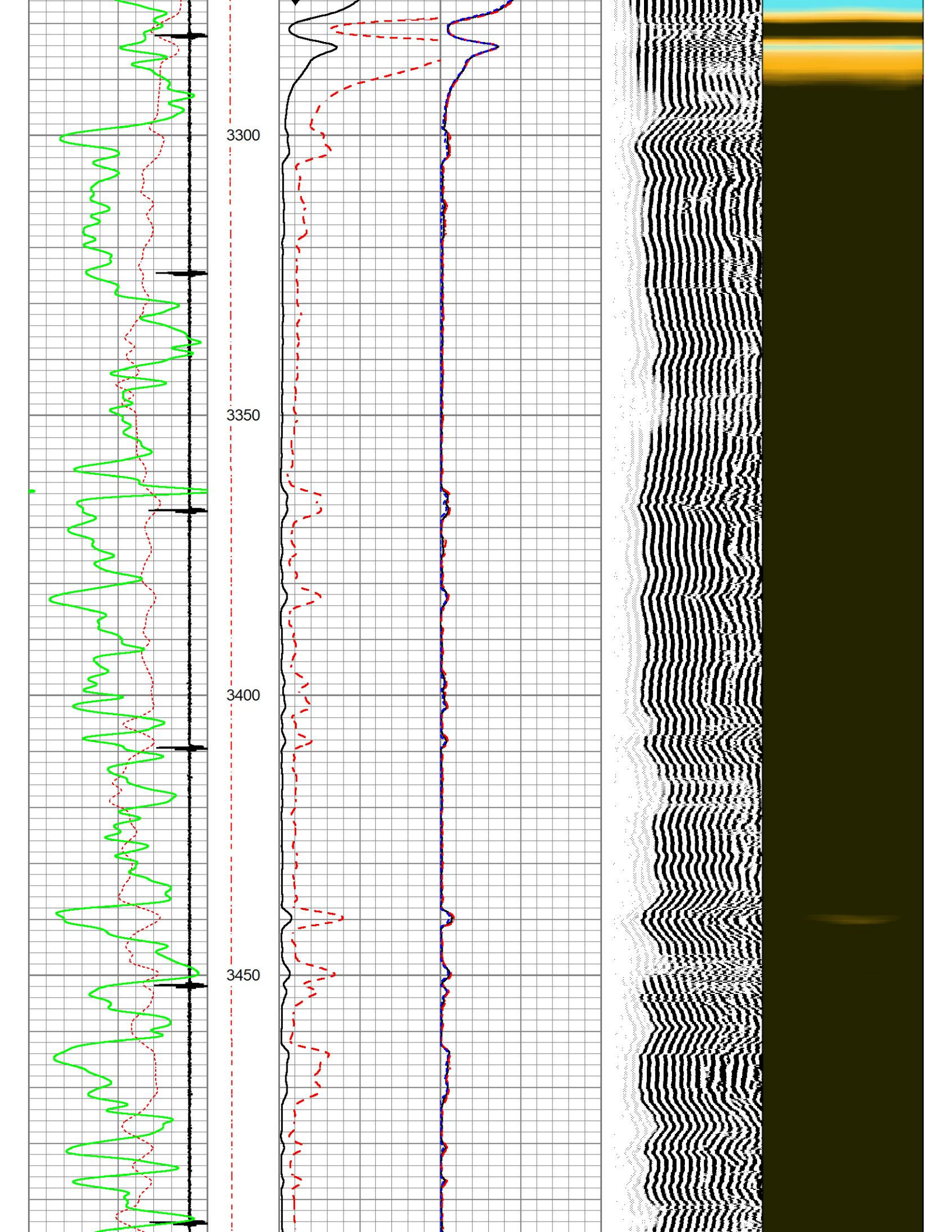
MAIN LOG

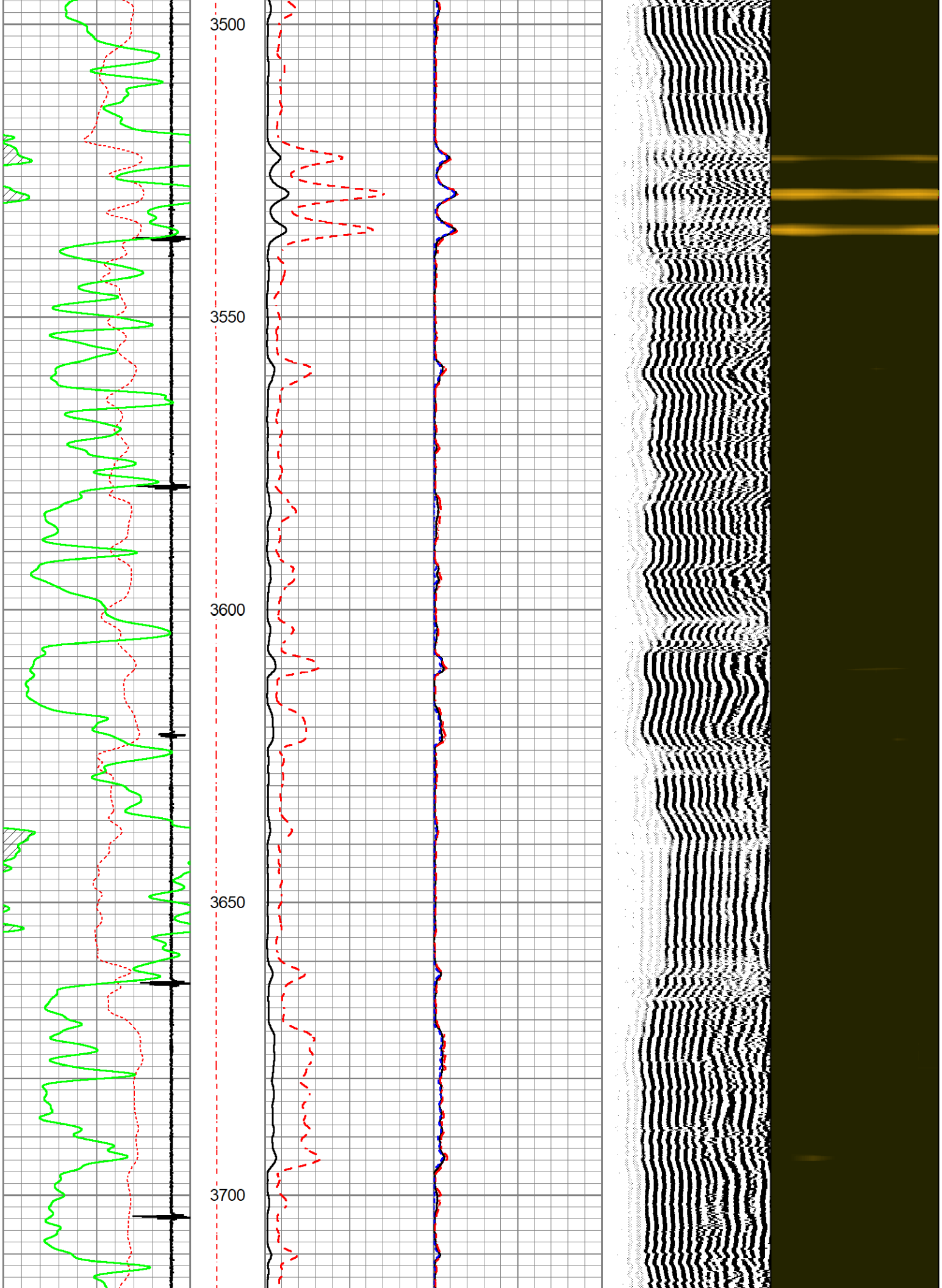
ZERO PSI APPLIED AT SURFACE

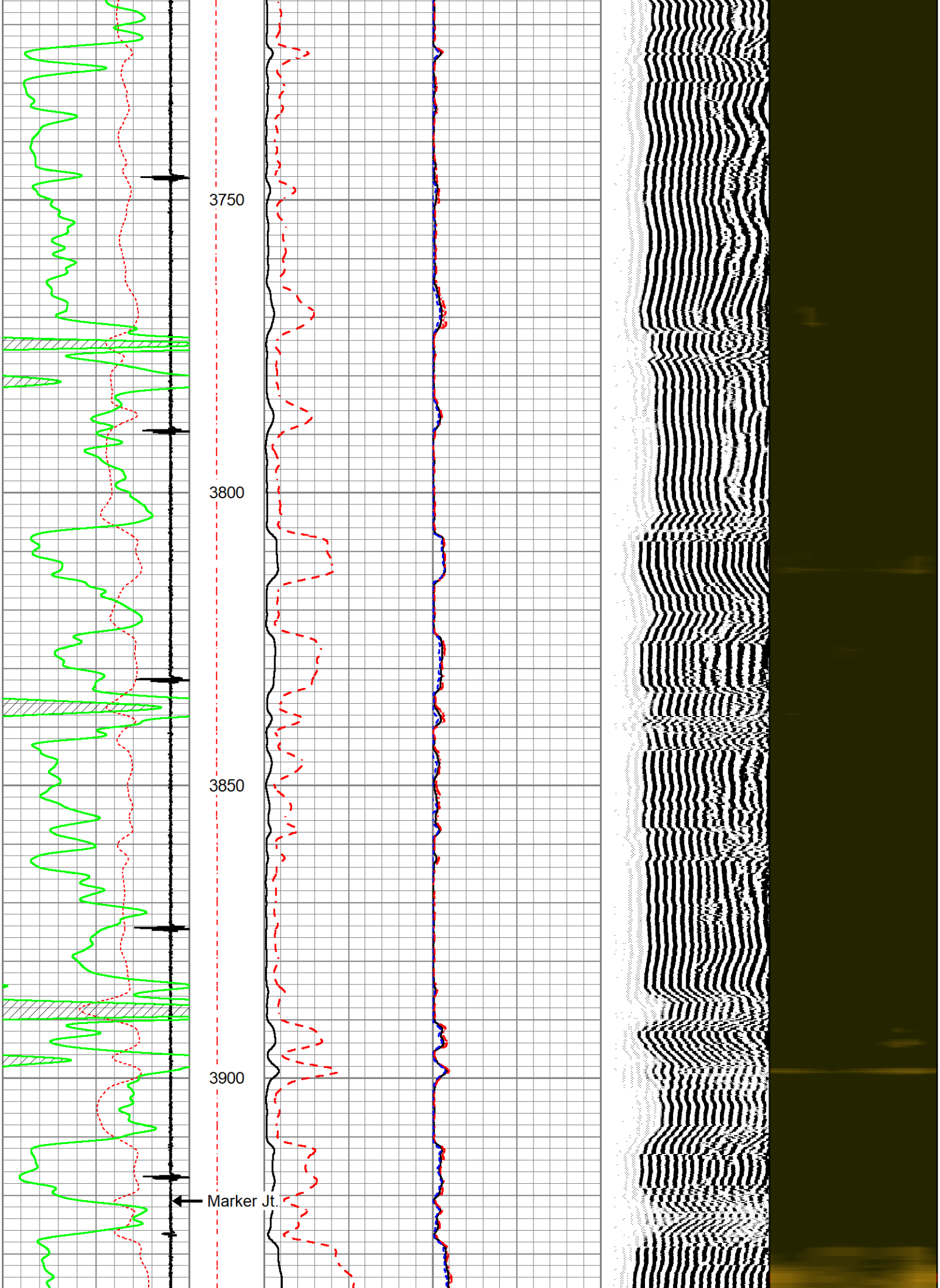
Database File	shakespeare_franz_#1_26_scbl.db
Dataset Pathname	pass5
Presentation Format	pinr_scbl
Dataset Creation	Tue Apr 05 10:08:55 2022
Charted by	Depth in Feet scaled 1:240

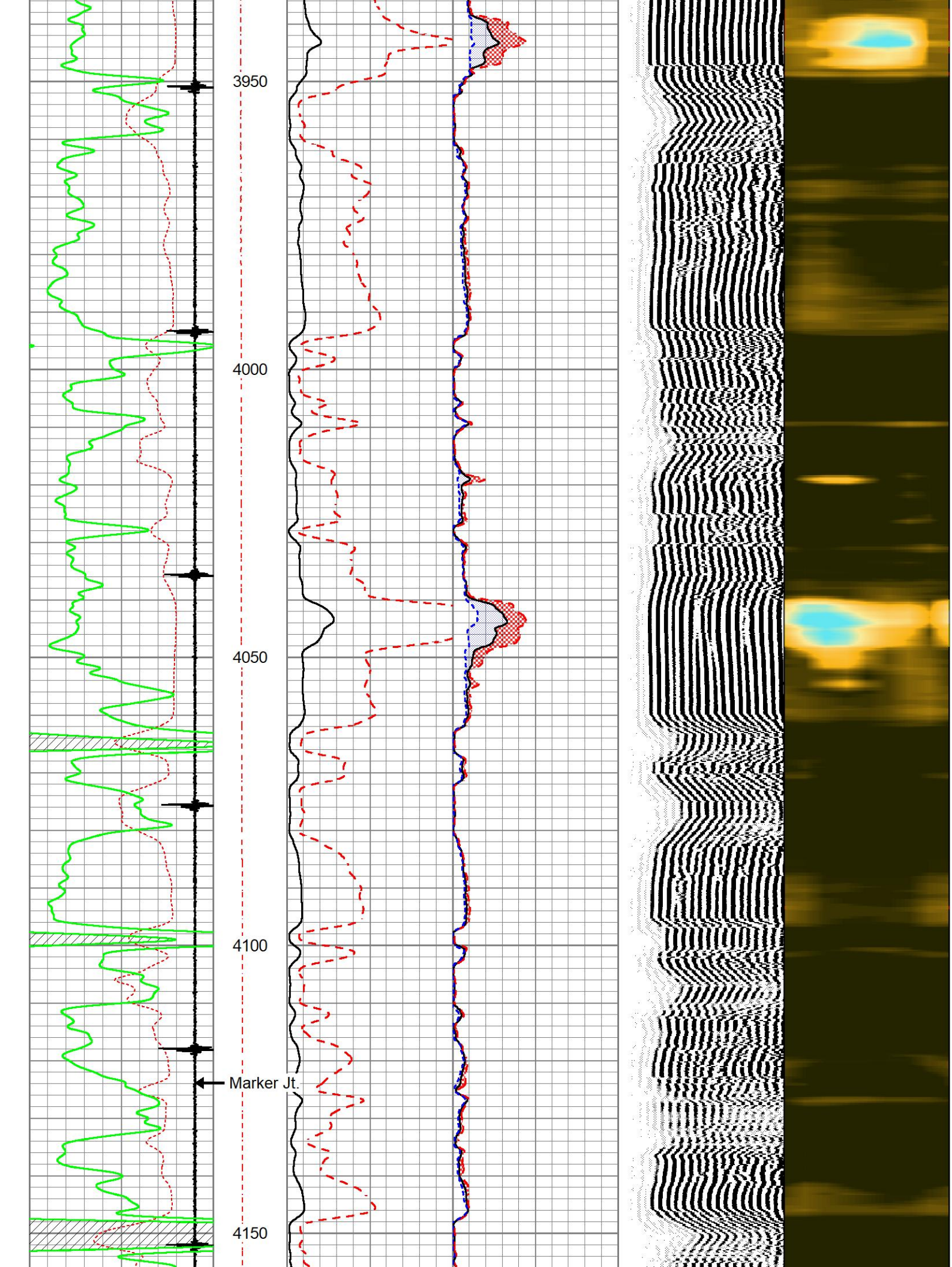
3' Travel Time	Line Tension	3' Amplitude	Sector Amplitude Average	200 VDL (usec) 1200	1 Sector Map 8
600 (usec) 200	0 (l2000	0 (mV) 100	0 150		
-9 Collar Locator 1		3' Amplified Amplitude X 5	Sector Amplitude Maximum		
0 Gamma Ray 150		0 (mV) 20	0 150		
			Sector Amplitude Minimum		
			0 150		

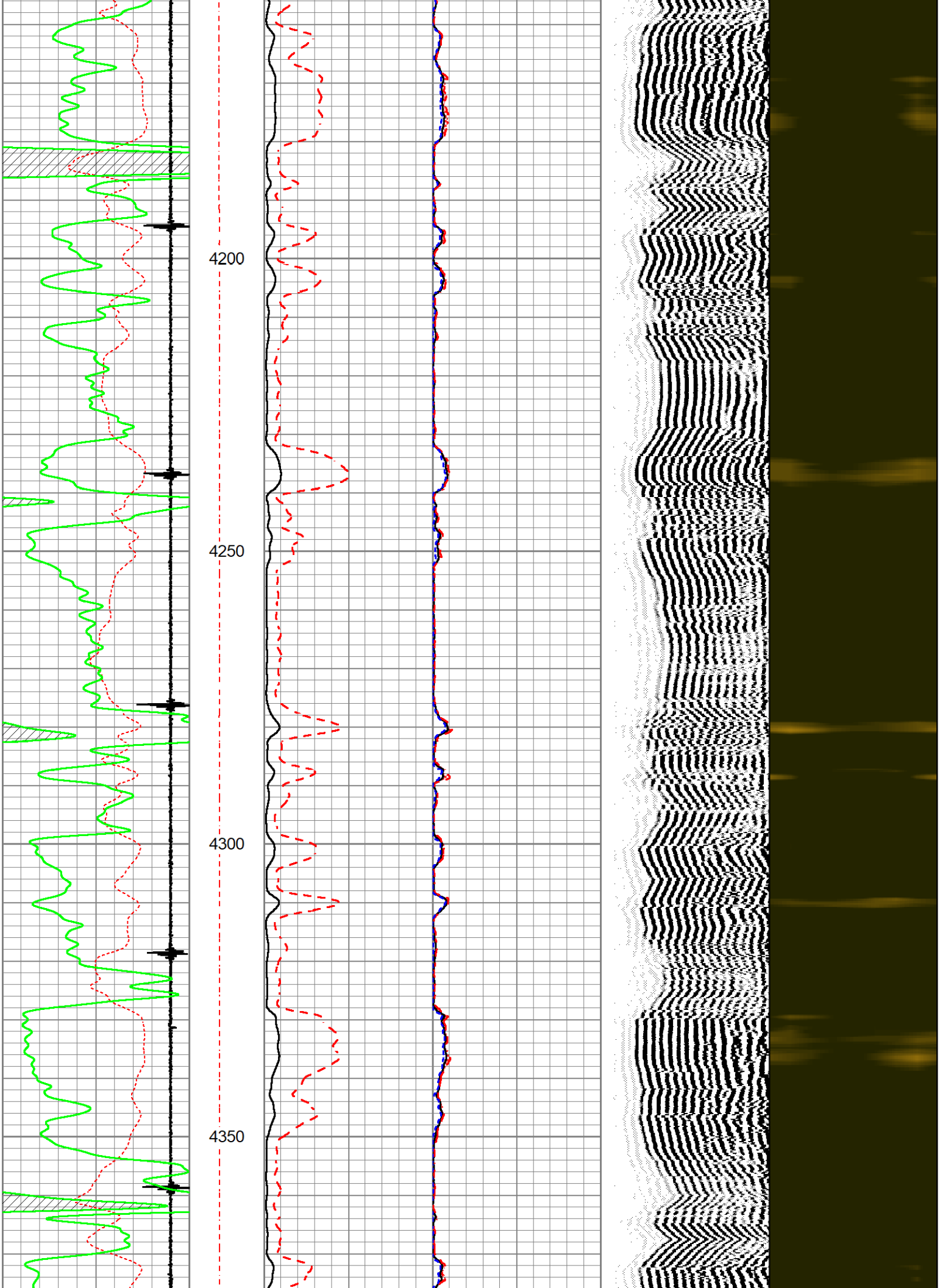


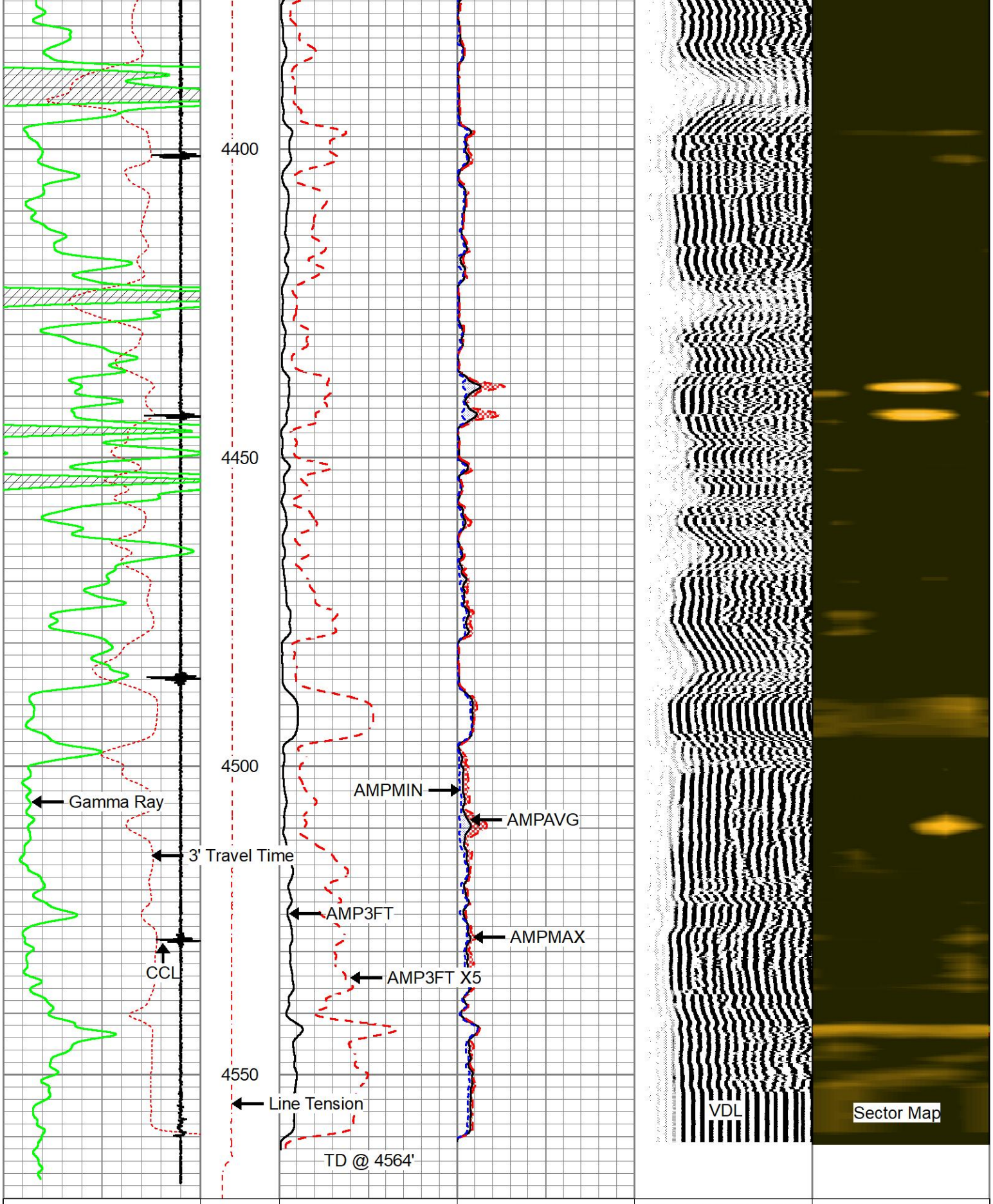

3300
3350
3400
3450


3500
3550
3600
3650
3700


3750
3800
3850
3900
Marker Jt.


3950
4000
4050
4100
Marker Jt.
4150


4200
4250
4300
4350



3' Travel Time	Line Tension	3' Amplitude	Sector Amplitude Average	VDL	Sector Map
600 (usec) 200	0 (I2000	0 (mV) 100	0 150	200 VDL (usec) 1200	1 Sector Map 8
-9 Collar Locator 1		3' Amplified Amplitude X 5	Sector Amplitude Maximum		
0 Gamma Ray 150		0 (mV) 20			

0 150

Sector
Amplitude Minimum

0 150

MIDWEST WIRELINE

REPEAT SECTION

ZERO PSI APPLIED AT SURFACE

Database File	shakespeare_franz_#1_26_scbl.db
Dataset Pathname	pass4
Presentation Format	pinr_scbl
Dataset Creation	Tue Apr 05 10:01:42 2022
Charted by	Depth in Feet scaled 1:240

3' Travel Time
600 (usec) 200
-9 Collar Locator 1
0 Gamma Ray 150

Line Tension
0 (l2000

3' Amplitude
0 (mV) 100

3' Amplified Amplitude X 5
0 (mV) 20

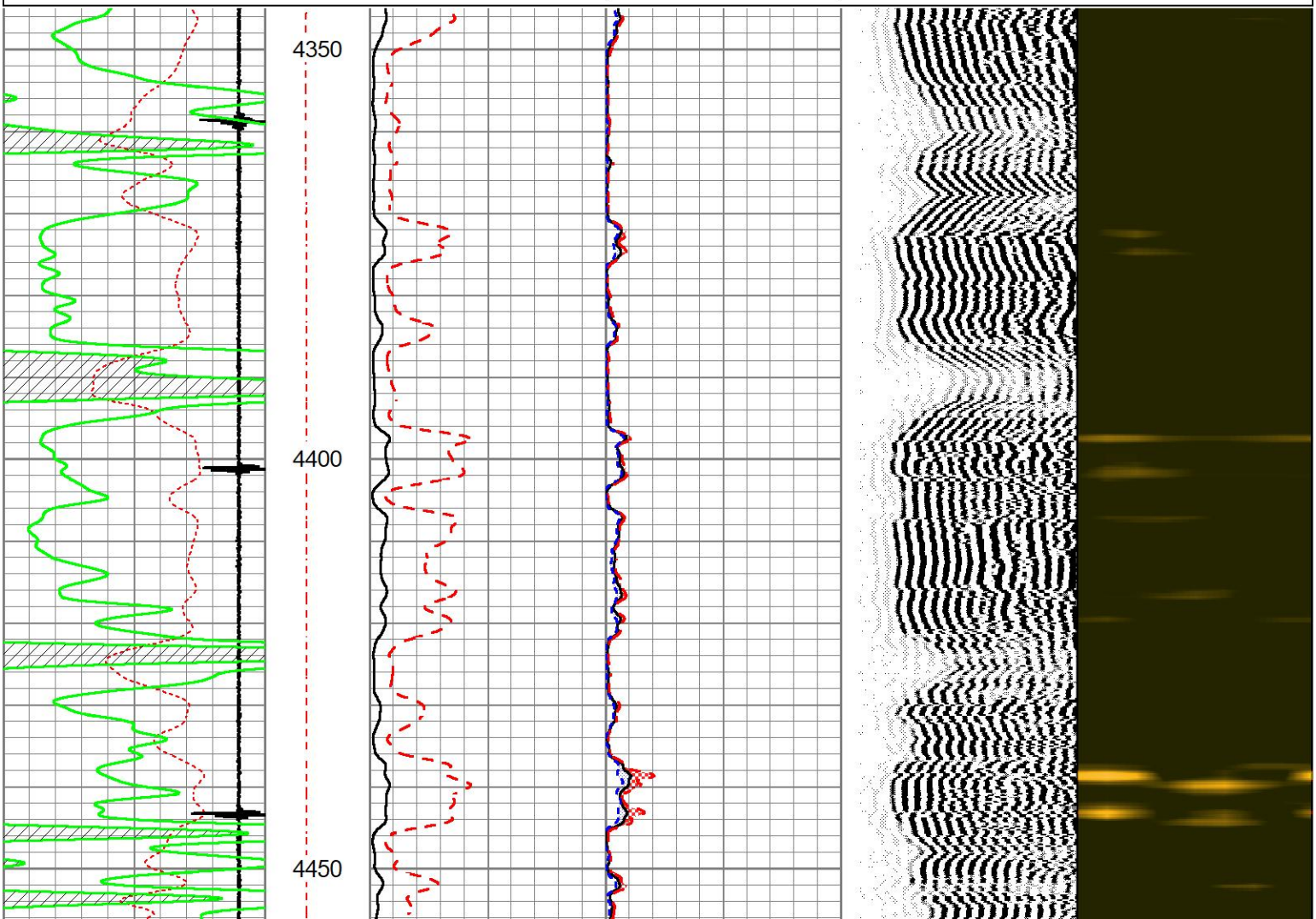
Sector Amplitude Average
0 150

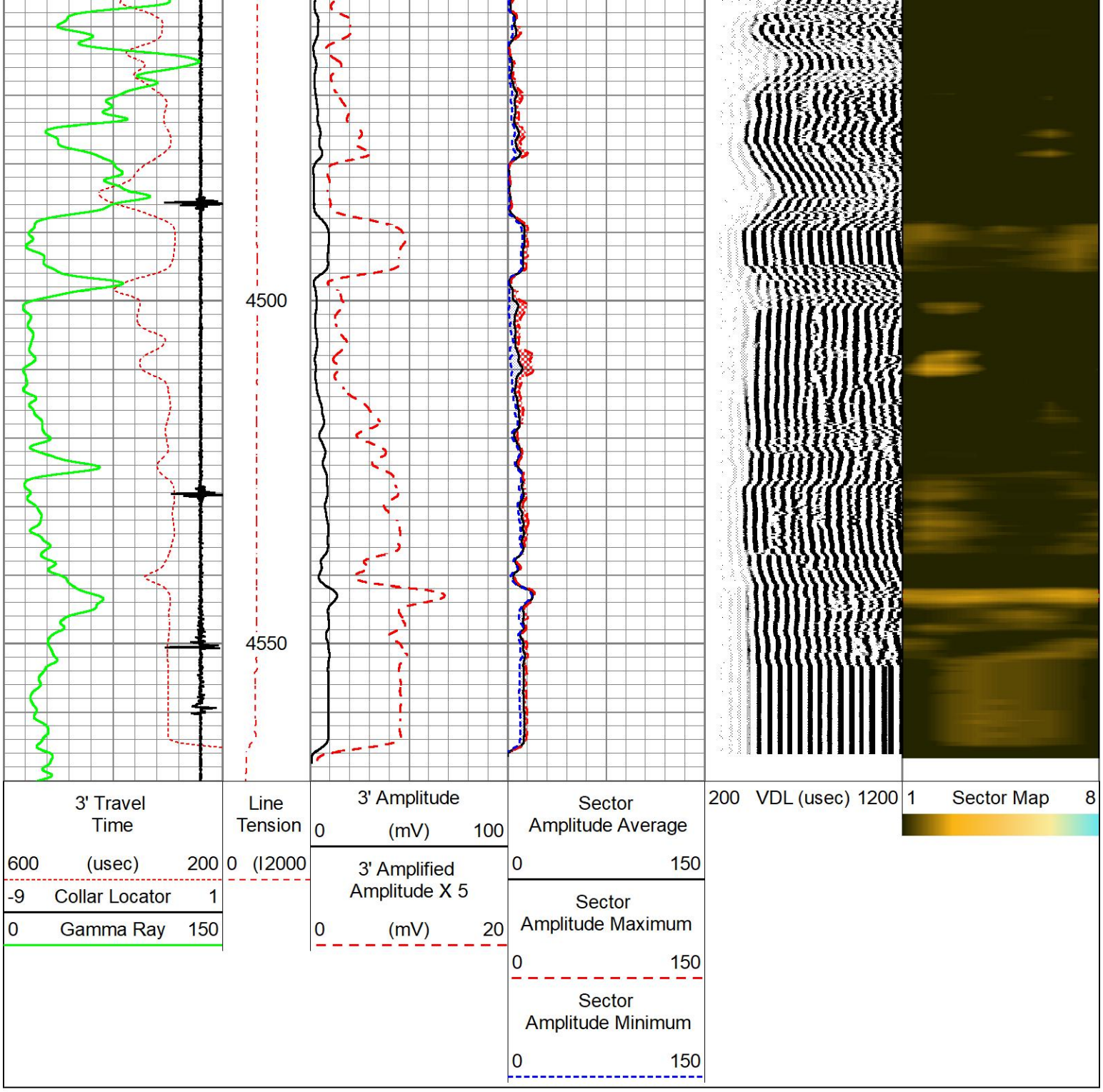
Sector Amplitude Maximum
0 150

Sector Amplitude Minimum
0 150

200 VDL (usec) 1200

1 Sector Map 8





Calibration Report

Database File	shakespeare_franz_#1_26_scbl.db
Dataset Pathname	pass6
Dataset Creation	Tue Apr 05 10:35:03 2022

Gamma Ray Calibration Report

Serial Number:	060802	
Tool Model:	2 3/4" Probe	
Performed:	Tue May 11 19:37:17 2021	
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:	5.500	in
Calibration Depth:	3240.145	ft

Master Calibration, performed Tue Apr 5 09:52:56 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.000	1.939	0.700	71.921	36.734	0.706
CAL	-0.004	2.411				
5'	-0.002	1.775	0.700	71.921	40.092	0.774
SUM						
S1	0.025	2.009	0.000	100.000	50.401	-1.261
S2	0.002	2.005	0.000	100.000	49.912	-0.089
S3	0.002	1.957	0.000	100.000	51.144	-0.094
S4	0.001	1.895	0.000	100.000	52.799	-0.075
S5	0.001	1.804	0.000	100.000	55.465	-0.058
S6	0.001	1.780	0.000	100.000	56.208	-0.039
S7	0.001	1.830	0.000	100.000	54.650	-0.033
S8	0.000	1.954	0.000	100.000	51.187	-0.019

Air Zero Calibration, performed Tue Apr 5 09:27:21 2022:

	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	Franz #1-26
Field	Cleveland Creek West
County	Gove
State	Kansas