MIDWEST WIRELINE

RADIAL BOND LOG
WITH GAMMA RAY

Company **Shakespeare Oil Company, Inc.**
Well **Bloom #2-22**
Field **Unnamed**
County **Gove** State **Kansas**

Location: API # : 15-063-22420-00-00
1470 FNL & 1740 FWL
NE NW SE NW
SEC 22 TWP 11S RGE 31W

Permanent Datum Ground Level Elevation 2967
Log Measured From KB 11 Above Perm. Datum
Drilling Measured From KB

Other Services
Perforate

Elevation
K.B. 2978
D.F.
G.L. 2967

Comp. Shakespeare Oil Company, Inc.
Well Bloom #2-22
Field Unnamed
Co. Gove
State Kansas

Date of Service	11/1/2022				
Run Number	One				
Depth Driller or PBTD	4680				
Depth Logger	4288				
Bottom Log Interval	4286				
Top Log Interval	3400				
Open Hole Size	7.875				
Type Fluid	Water				
Fluid Level	Full				
Fluid Density	NA				
Max. Recorded Temperature	122				
Max. Wellhead Pressure	00				
Wellhead Connection	Wellhead				
Estimated Cement Top	3510				
Unit Number	18				
Wireline Size	.288				
Location	Hays				
Recorded By	C McLaughlin				
Witnessed By	Brian Cable				

	Size	Wt/Ft	Top	Bottom
Tubing Record				
Surface Casing	8.625	23	0	225
Production Casing	4.5	11.5	0	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.

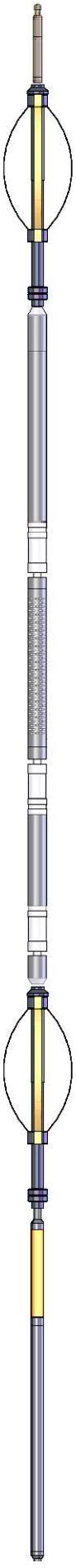
Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
Campus exit and I-70, 1 1/2 S, 1/2 W, S into

THANK YOU FOR USING MIDWEST WIRELINE LLC!

Your Midwest Wireline Crew	Tool Data - Services	Serial Number
Engineer: Operator: 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
WVFS8	11.61		PROBE-RBT-DIGITAL-RBL-D (PR-012) Probe 2 3/4" Radii Bond-Digital	8.75	2.75	100.00
WVFS7	11.61					
WVFS6	11.61					
WVFS5	11.61					
WVFS4	11.61					
WVFS3	11.61					
WVFS2	11.61					
WVFS1	11.61					
WVFCAL	11.61					
WVF3FT	11.61					
WVF5FT	10.61					
HEADVOLT	7.42					
			Centralizer-275 Probe 2 3/4" Probe Adjustable Spring Centralizer	2.88	2.75	15.00
CCL	3.63					
GR	2.30		GR_CCL-2 3/4" Probe (060802)	4.54	2.75	50.00

Dataset: shakespeare_bloom 2-22.db: field/well/run1/pass6
Total length: 20.08 ft
Total weight: 182.00 lb
O.D.: 2.75 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\shakespeare_bloom 2-22.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	122	4.5	0	11.5	0	1	0.08

PERFS	PPT usec	SRFTEMP degF	TDEPTH ft
0	0	78	4288

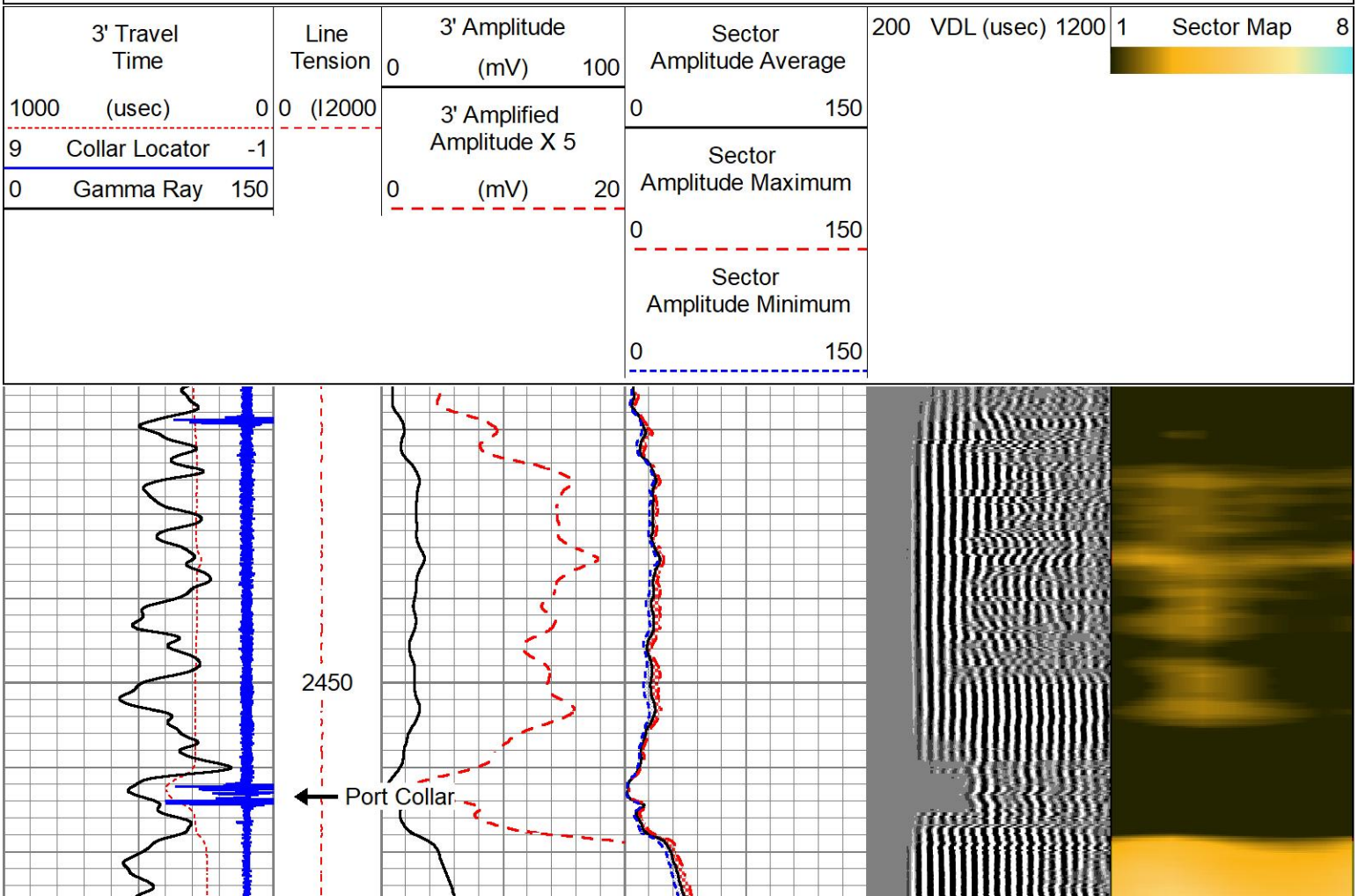
Variable Description

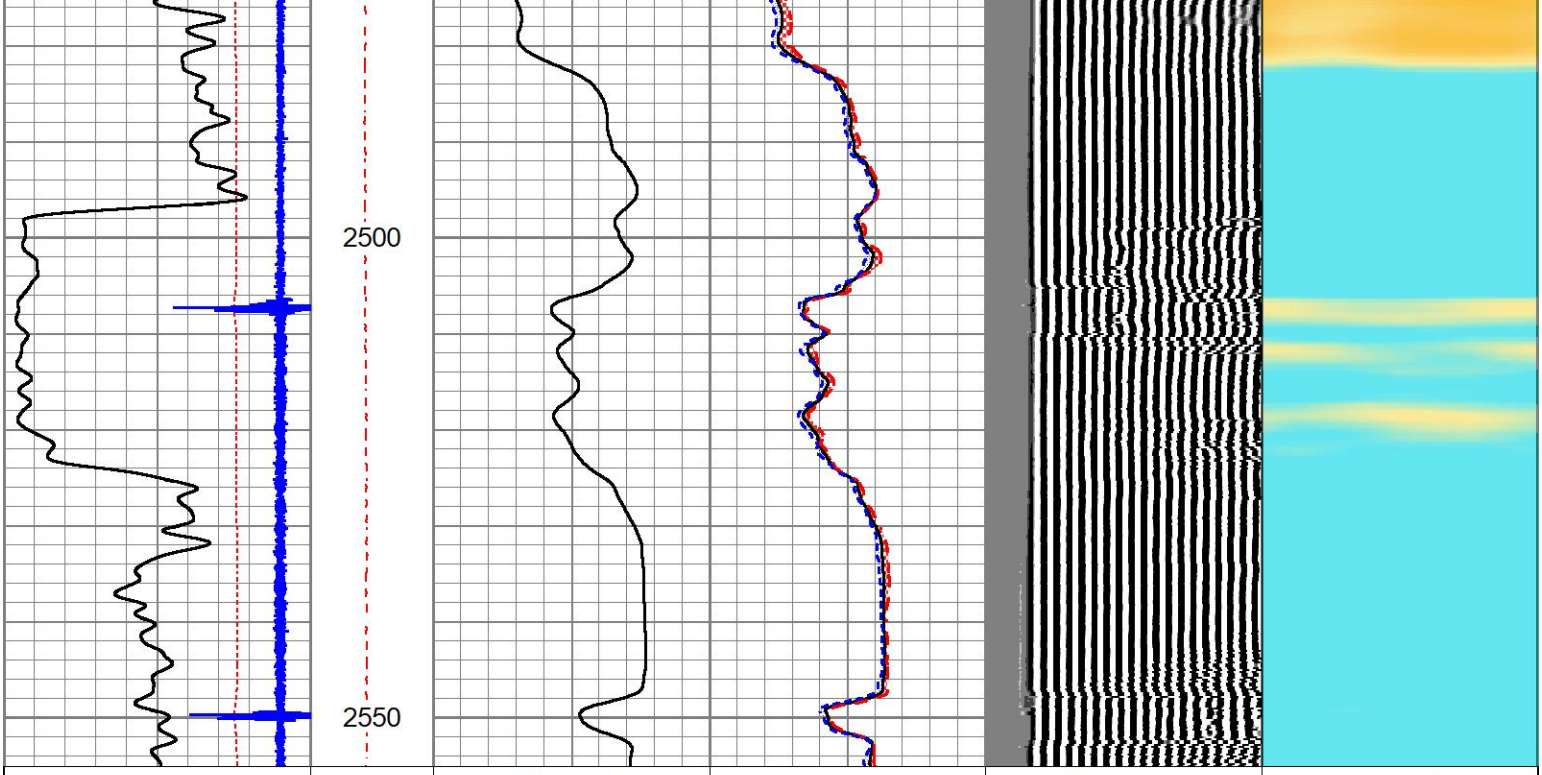
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH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

MIDWEST WIRELINE

Port Collar

Database File	shakespeare_bloom 2-22.db
Dataset Pathname	pass6
Presentation Format	pinr_scbl
Dataset Creation	Tue Nov 01 13:02:51 2022
Charted by	Depth in Feet scaled 1:240



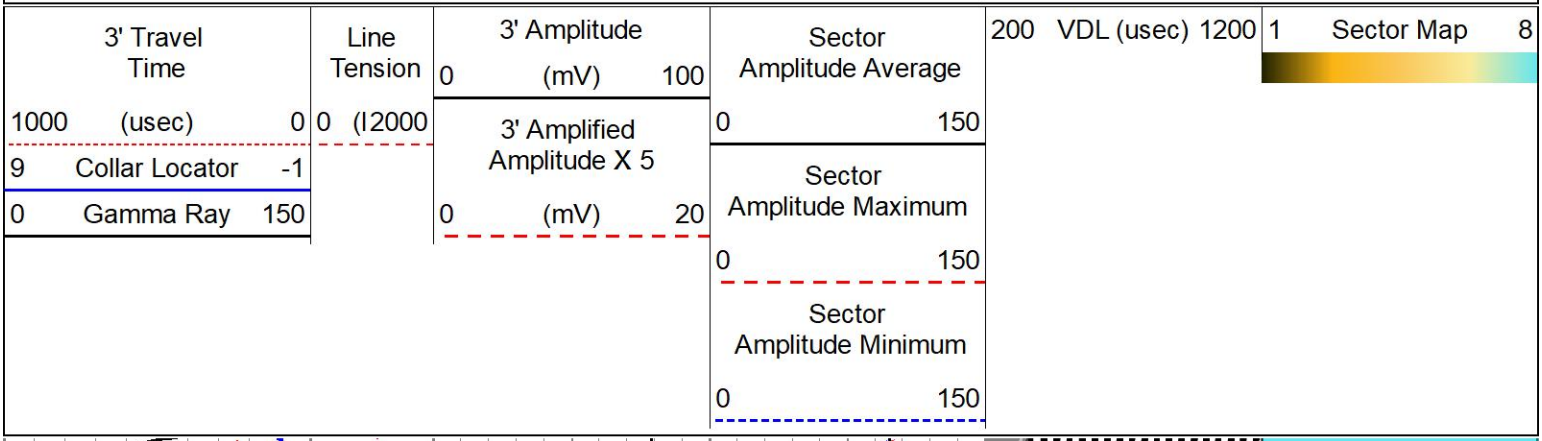


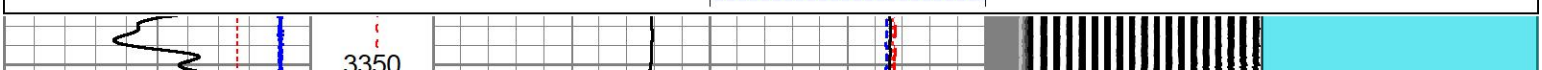
MIDWEST WIRELINE

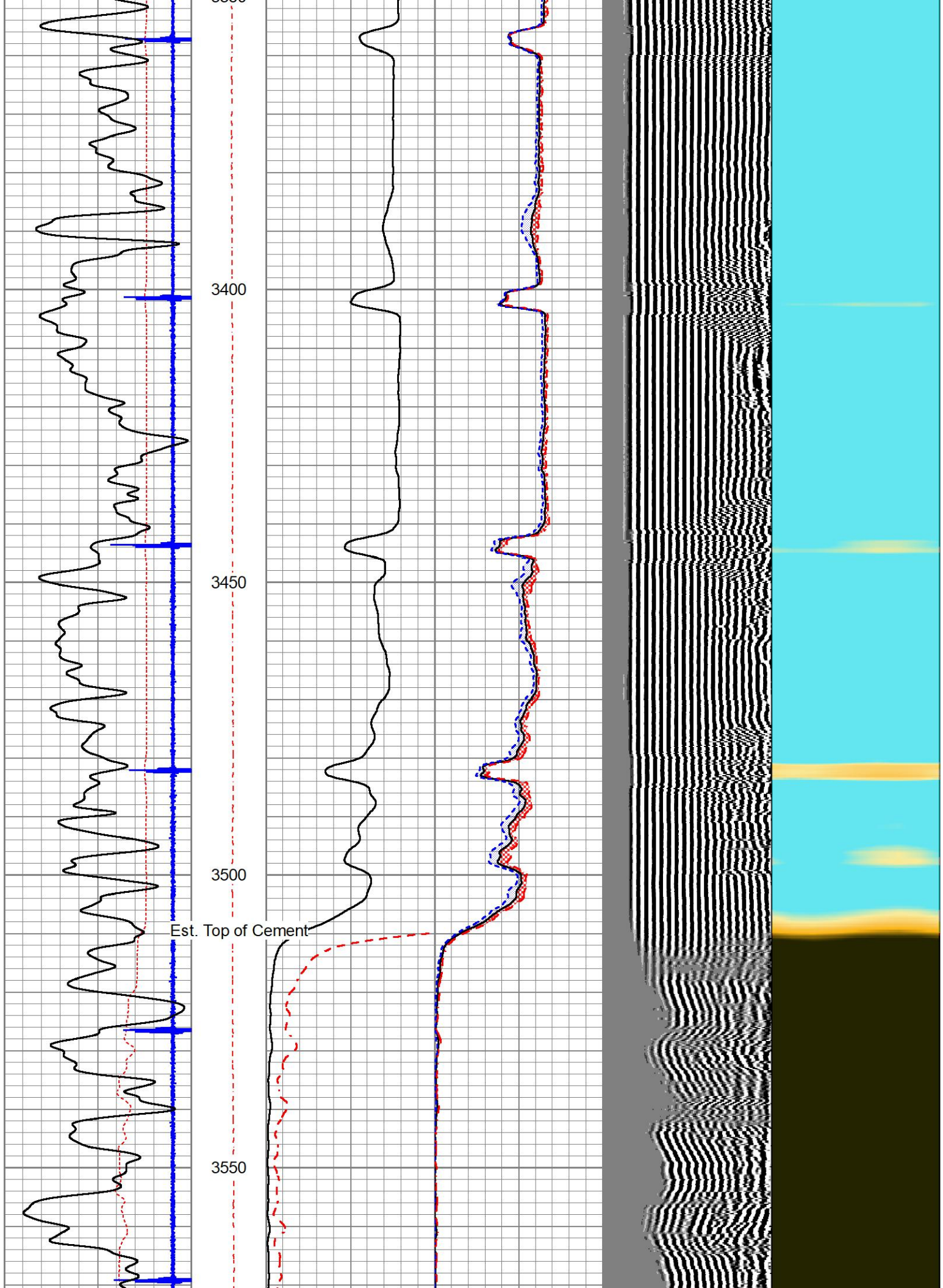
MAIN LOG

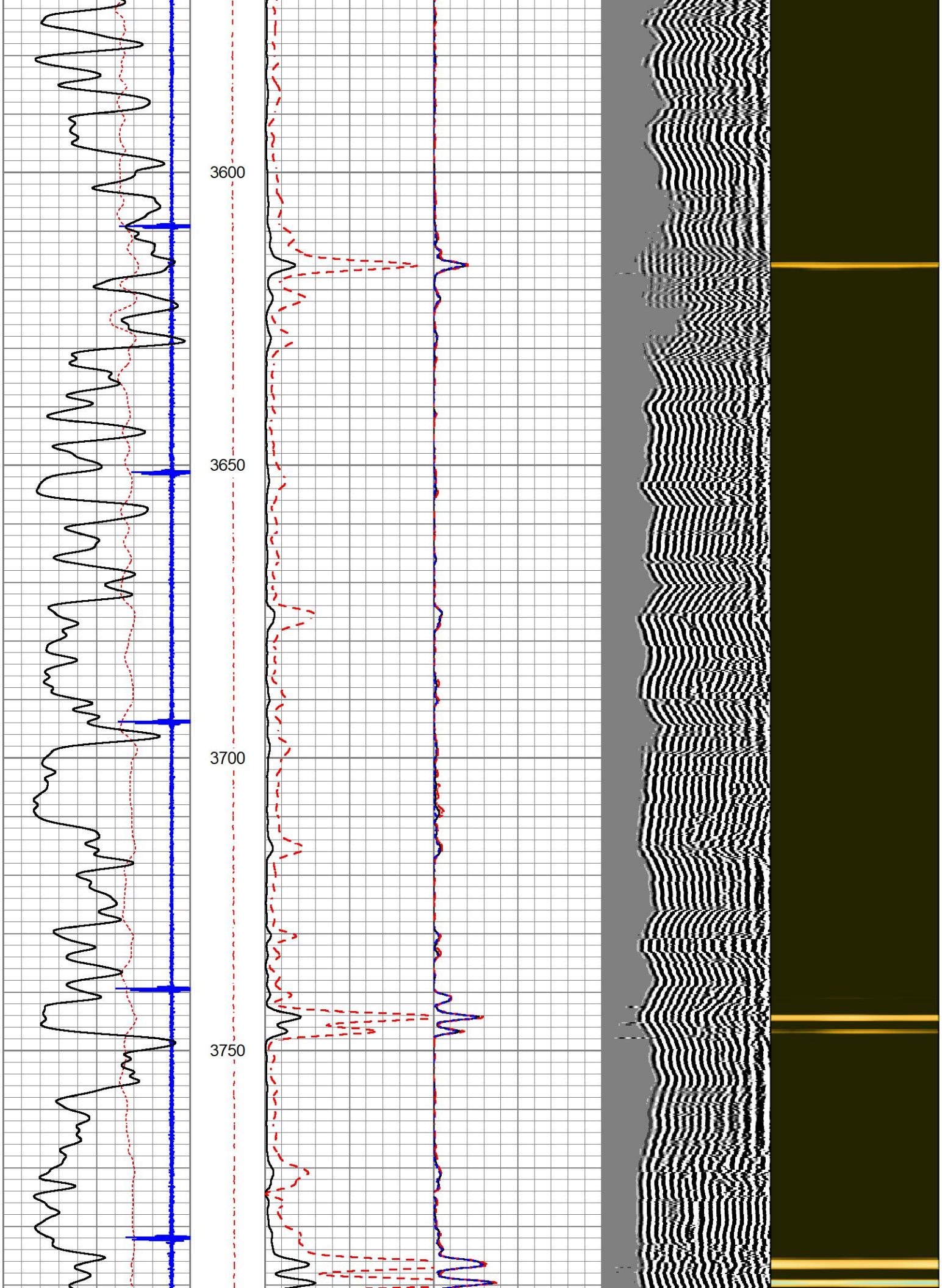
Zero PSI APPLIED AT SURFACE

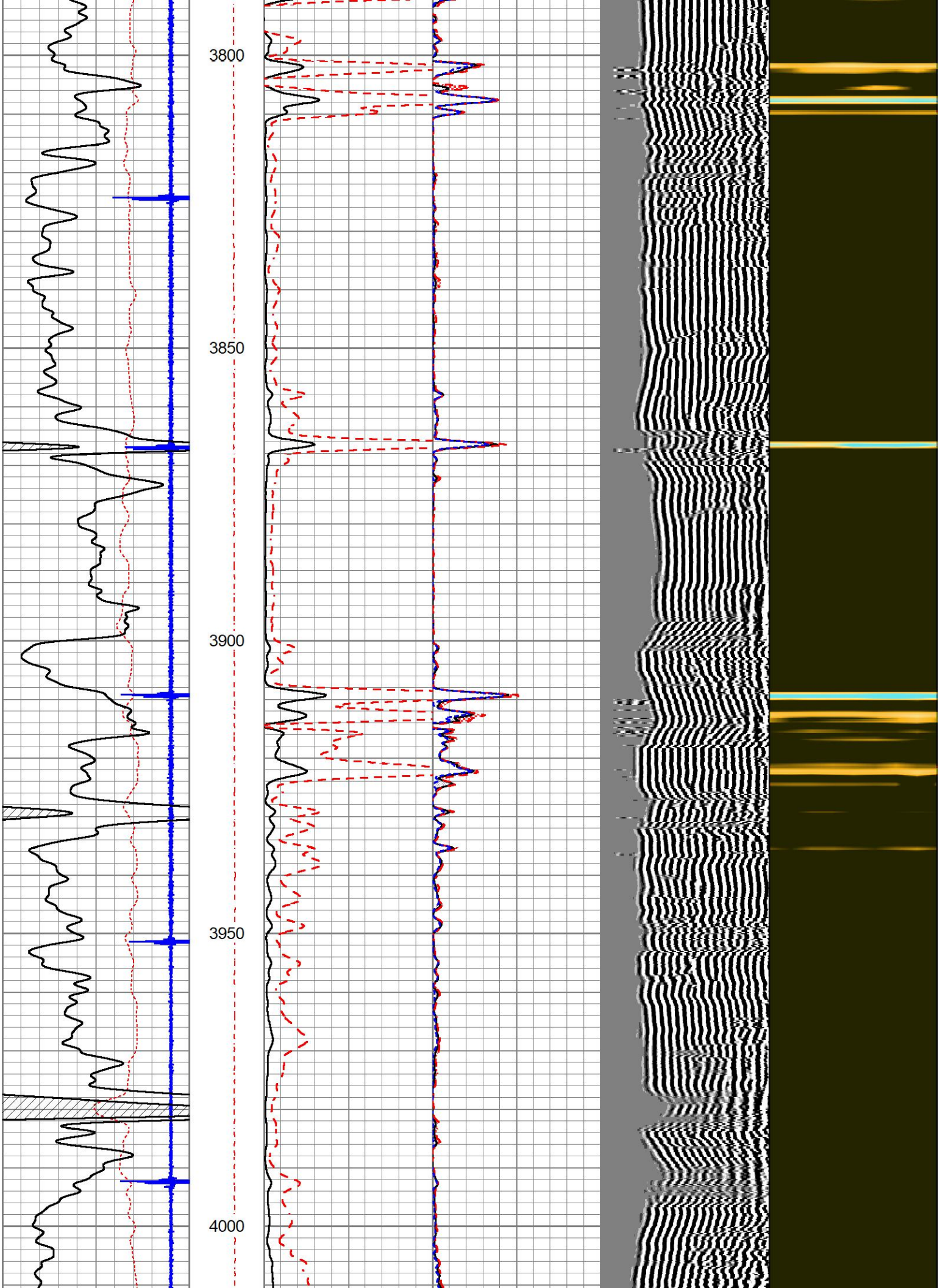
Database File	shakespeare_bloom 2-22.db
Dataset Pathname	pass5
Presentation Format	pinr_scbl
Dataset Creation	Tue Nov 01 12:31:46 2022
Charted by	Depth in Feet scaled 1:240

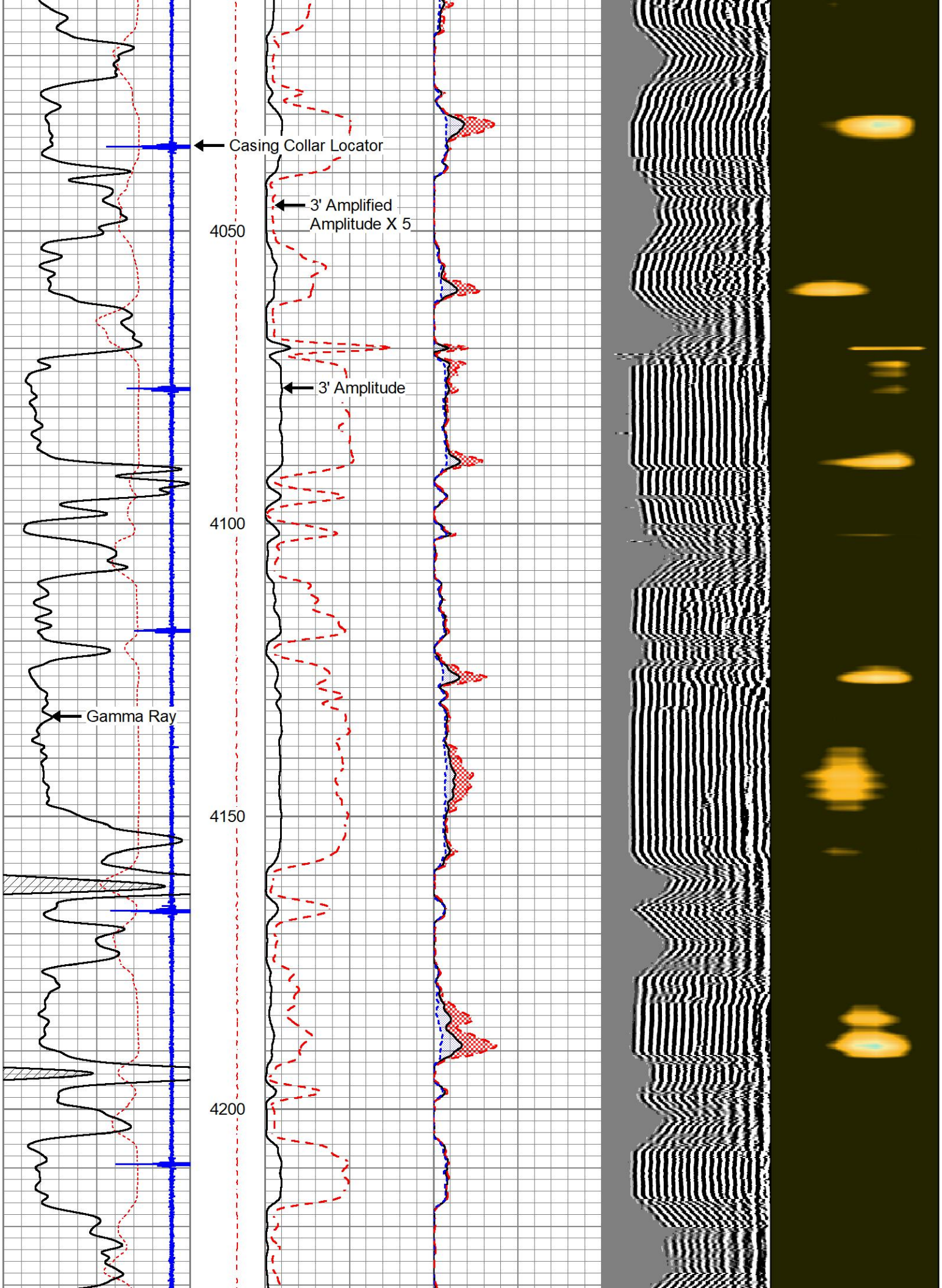


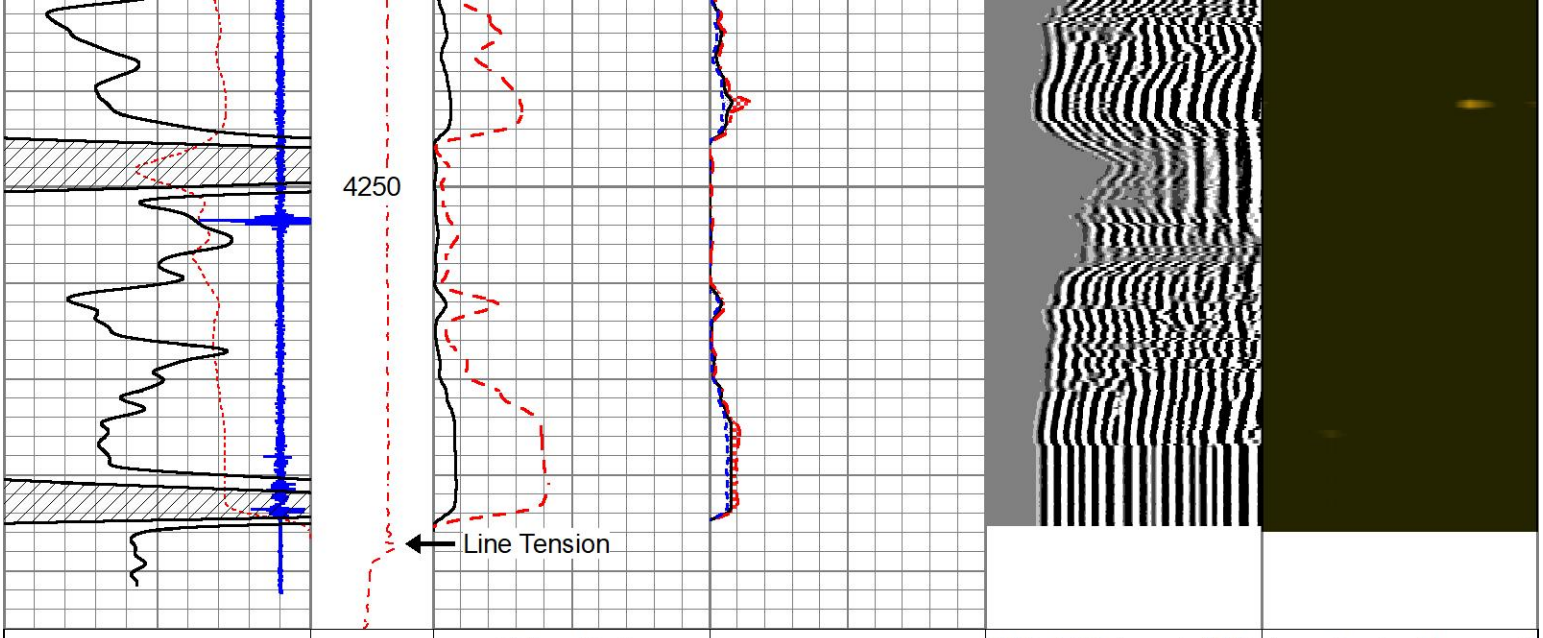



3400
3450
3500
Est. Top of Cement
3550


3600
3650
3700
3750


3800
3850
3900
3950
4000


Casing Collar Locator
3' Amplified
Amplitude X 5
4050
3' Amplitude
4100
Gamma Ray
4150
4200



3' Travel Time	Line Tension	3' Amplitude	Sector Amplitude Average	VDL (usec)	Sector Map
1000 (usec) 0	0 (I2000	0 (mV) 100	0 150	200 1200	1 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		

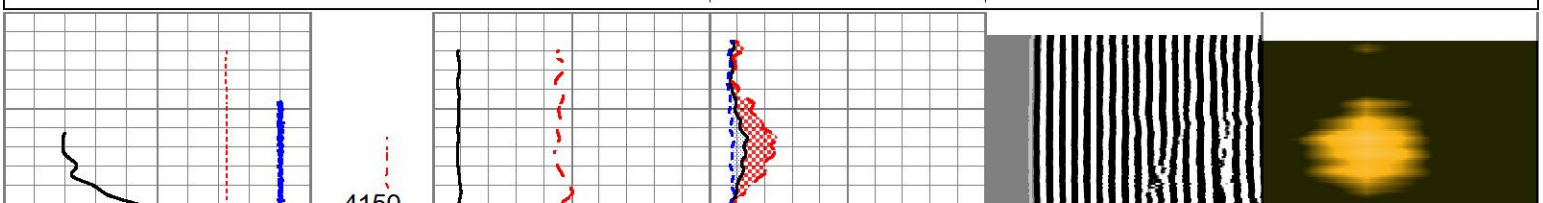
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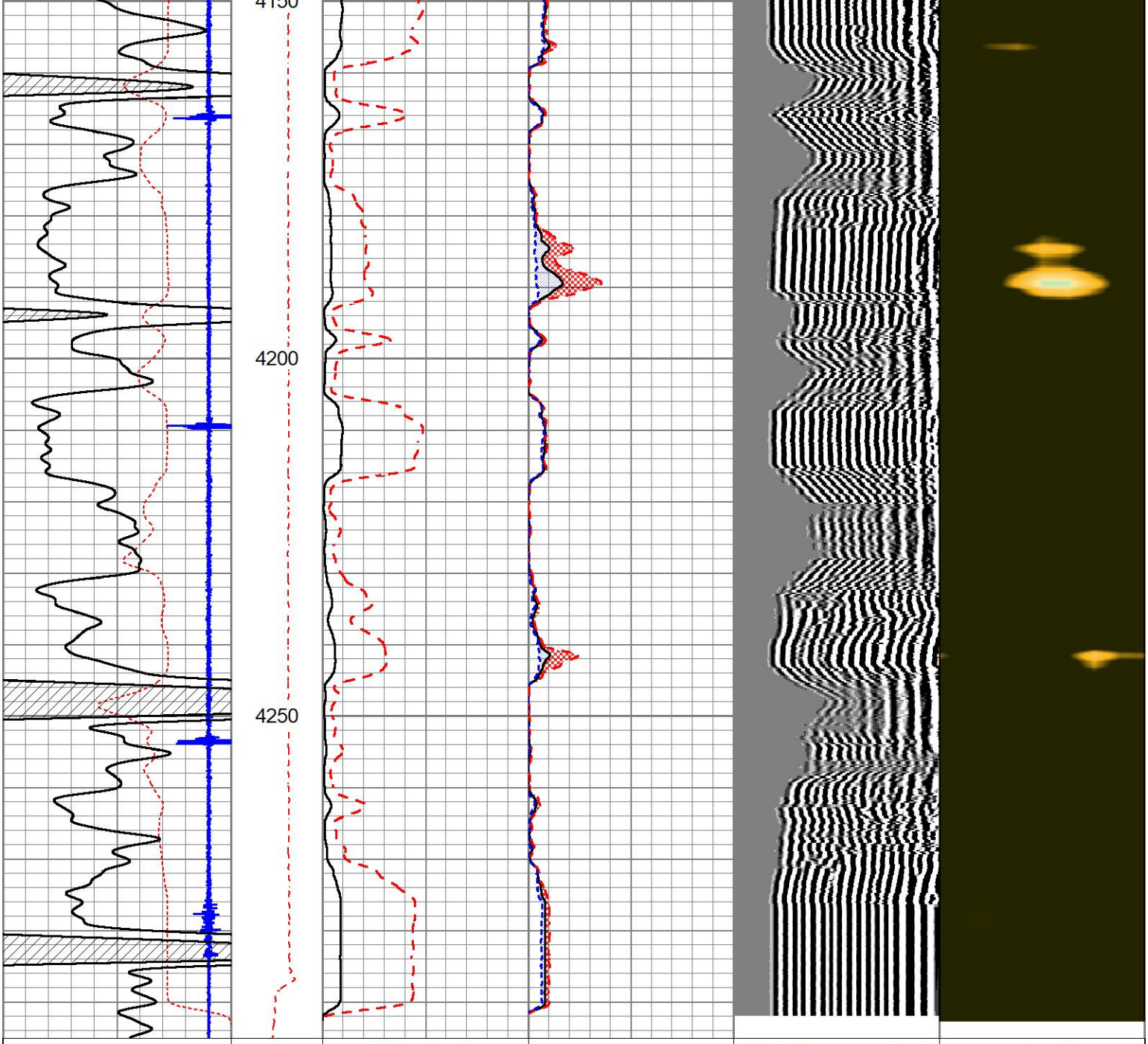
REPEAT SECTION

Zero PSI APPLIED AT SURFACE

Database File	shakespeare_bloom 2-22.db
Dataset Pathname	pass4
Presentation Format	pinr_scbl
Dataset Creation	Tue Nov 01 12:24:48 2022
Charted by	Depth in Feet scaled 1:240

3' Travel Time	Line Tension	3' Amplitude	Sector Amplitude Average	VDL (usec)	Sector Map
1000 (usec) 0	0 (I2000	0 (mV) 100	0 150	200 1200	1 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		




4150
4200
4250
3' Travel Time
1000 (usec) 0
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