



Sector Bond / Gamma Ray
CCL Log

Pioneer Energy Services

API No.

15-051-26331-00-00

Company WM KS Energy Resources, LLC
Well Wasinger No. C-17
Field Bemis-Shutts
County Ellis State Kansas

Location

N2 S2 NE
3630' FSL & 1320' FEL

Other Services

Sec: 28

Twp: 11 S

Rge: 18 W

Elevation

Permanent Datum Ground Level Elevation 2092
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2099
D.F.
G.L. 2092

Run Number	One	
Date Survey	08/14/2012	
Date Cementing	08/09/2012	
Type Cementing Operation	Primary	
Depth Driller	4140	
Depth Logger	3647	
Logged Interval	3646 to 2700	
Casing Driller	5.5 @ TD	@
Float Collar -- D.V. Tool	1344	
Squeeze Depth	1344	
Amount & Type Cement	1344	
Amount & Type Admix	1344	
Type Fluid In Hole	Water	
Fluid Level	410	
Salinity PPM CL	1344	
Weight lb/gal -- Vis.	1344	
Approx. Logged Cement Top	2840	
Calculated Cement Top	113	
Max. Hole Temperature	RBT 3-6	
Tool No.	3-5'	
Spacing Recorded	18	
Equipment -- Location	D. Hagan	
Recorded By	Tom Berens	
Witnessed By		

<<< Fold Here >>>

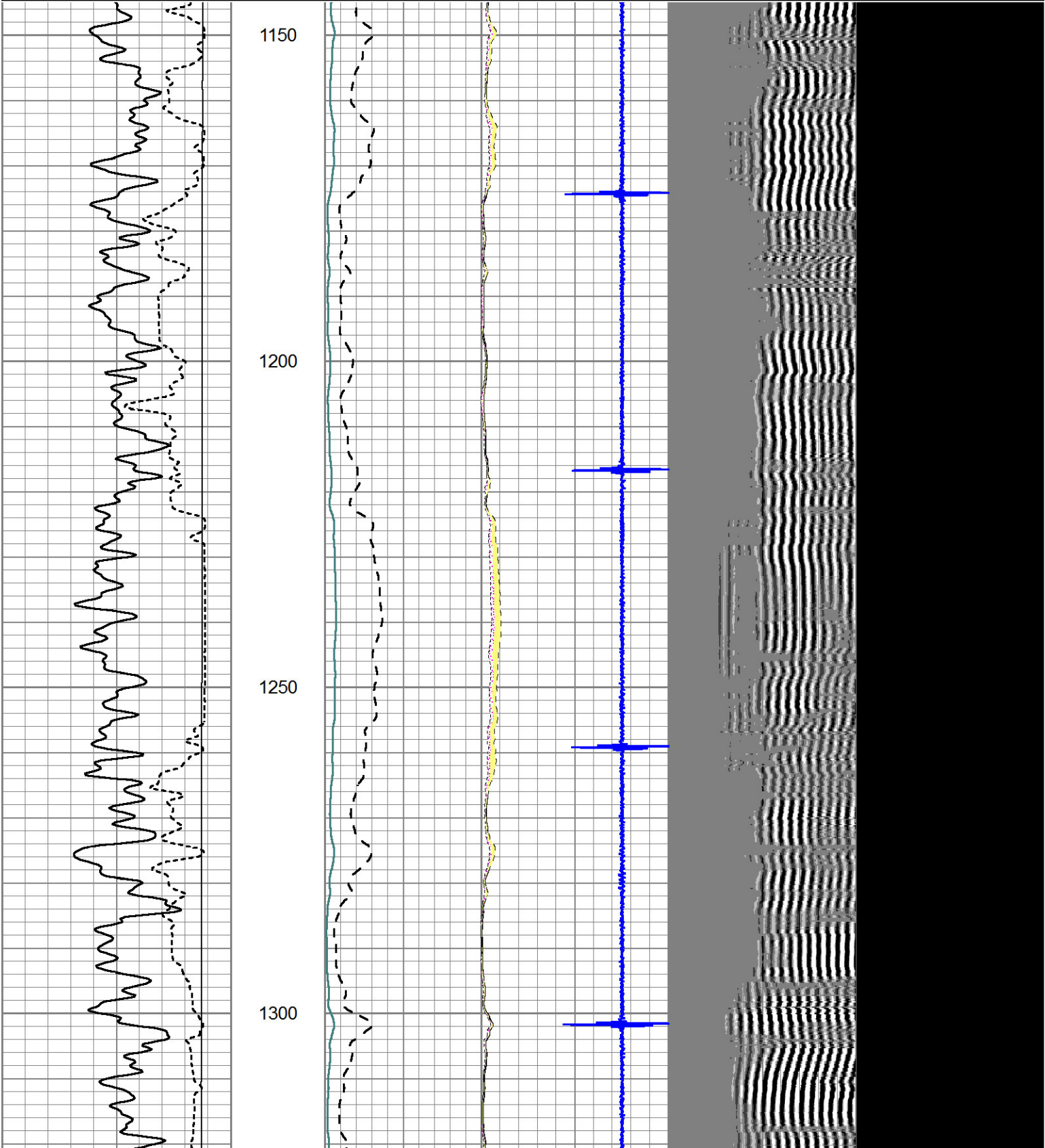
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

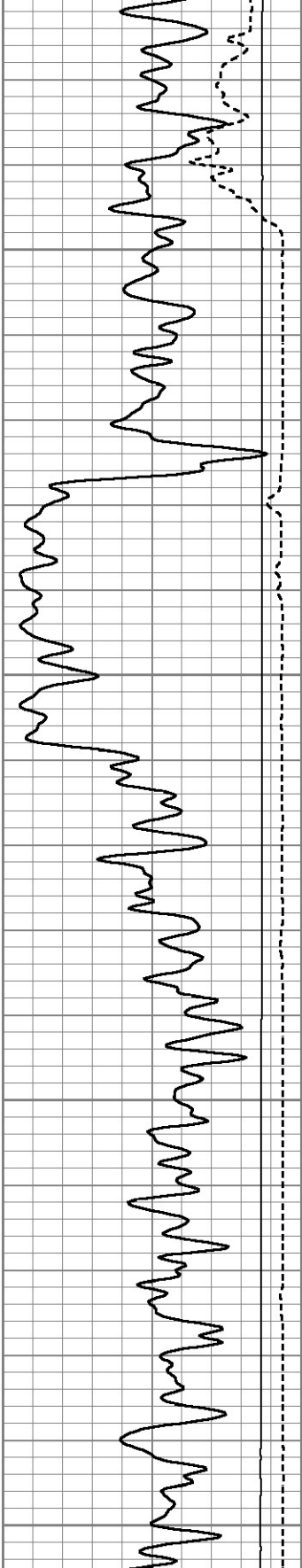
Comments

Thank you for using Pioneer Energy Services
785.625.3858

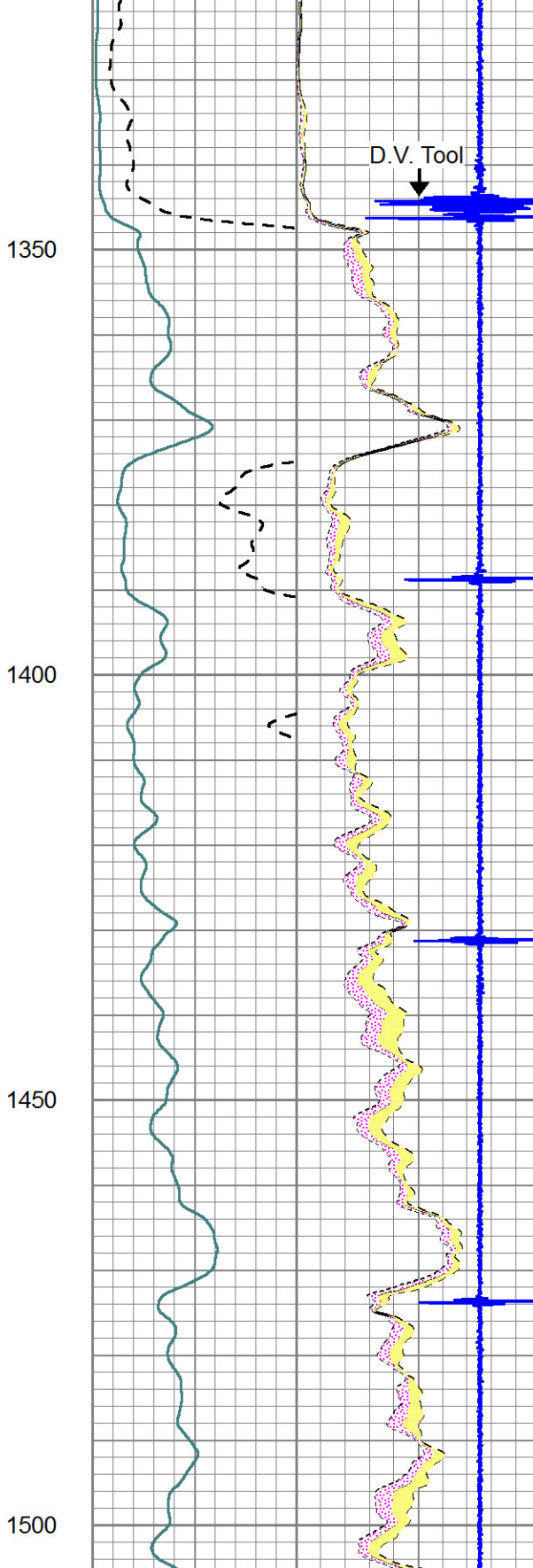
Hays, Ks. & Hwy 183, North to Dean Hill Rd.
1/2 West, 1/2 North, East into

1202	TT3FT (usec)	238	Amplitude	0	AMPAVG	150	200	VDL	1200	1	Sector Map	8
0	Gamma Ray	150	0 (mV) 100	0	AMPMAX	150				25		75
	LTEN		Amplified Amplitude	0	AMPMIN	150						
150	GR	300	0 (mV) 20	3	CCL	-1						

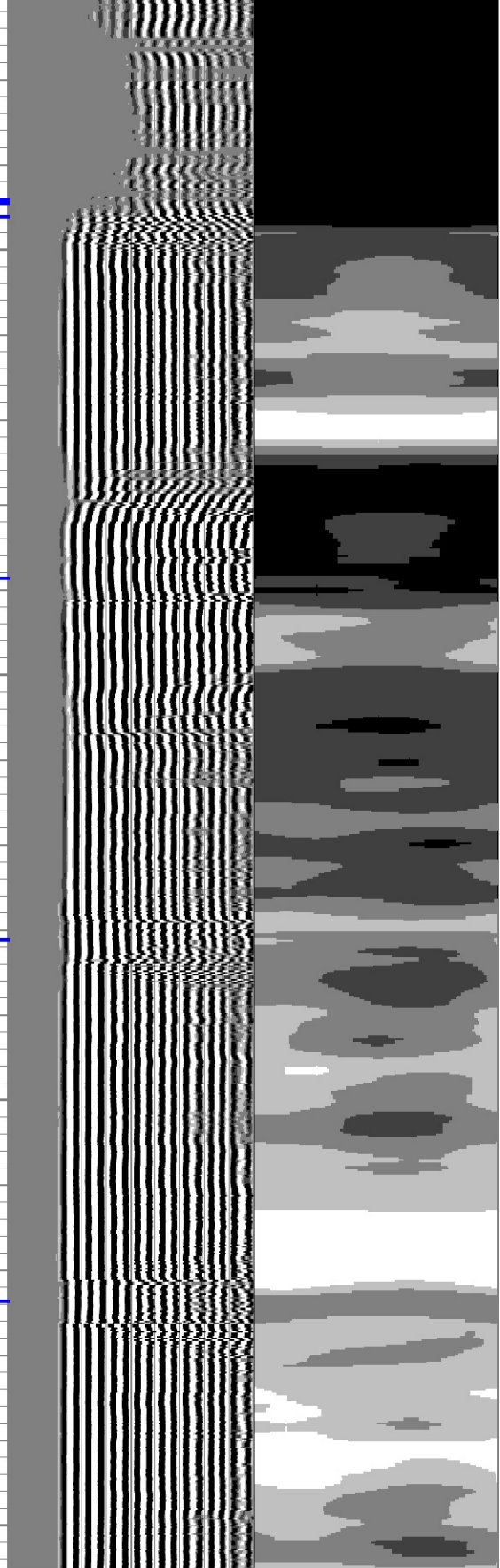




1202	TT3FT (usec)	238
0	Gamma Ray	150
LTEN		
150	GR	300



Amplitude	0	AMP AVG	150
0 (mV)	100	0 AMP MAX	150
Amplified Amplitude	0	0 AMP MIN	150
0 (mV)	20	3 CCL	-1



200	VDL	1200	1	Sector Map	8
			25		75

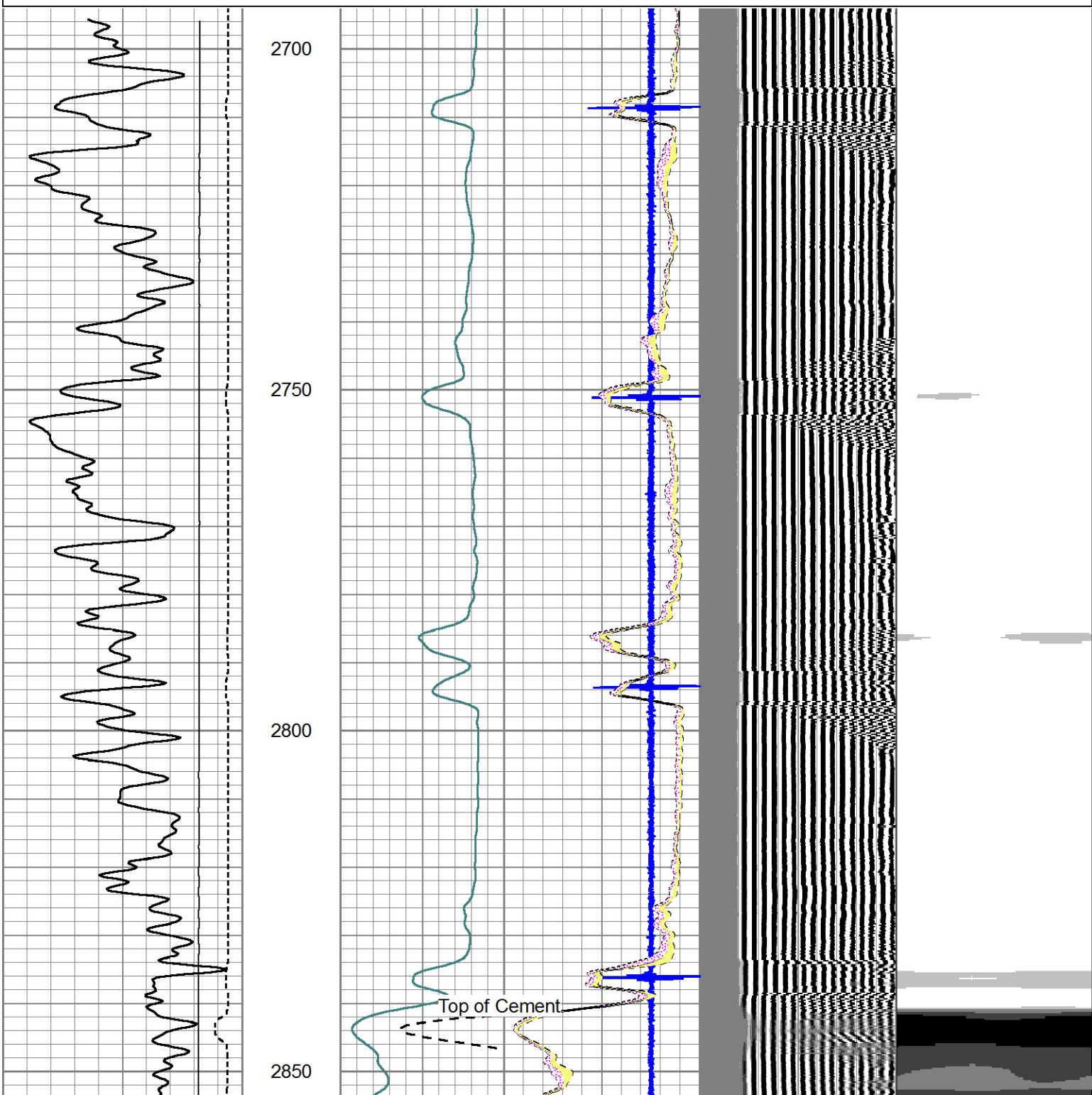
Main Pass

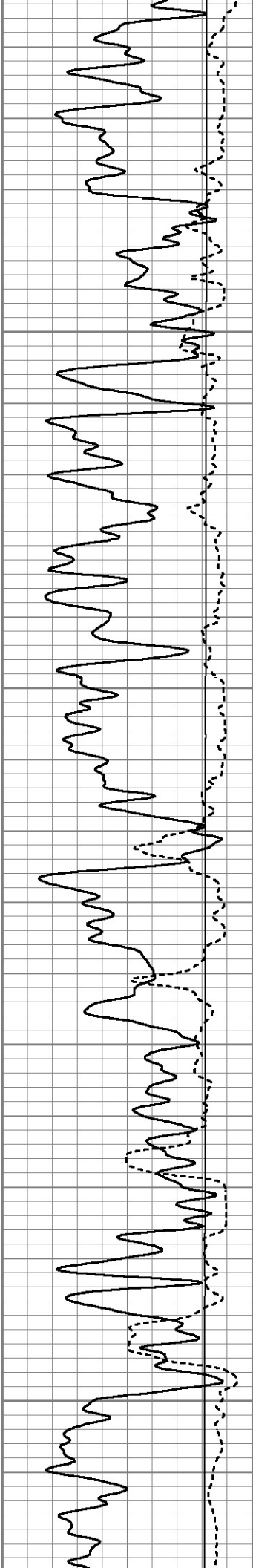
Database File: wmksenergy_c17.db
 Dataset Pathname: sgrcbl/pass4
 Presentation Format: scbl18
 Dataset Creation: Tue Aug 14 15:13:11 2012 by Log SCH 120126
 Charted by: Depth in Feet scaled 1:240

1202	TT3FT (usec)	238
0	Gamma Ray	150
LTEN		
150	GR	300

Amplitude			0	AMPAVG	150
0	(mV)	100	0	AMPMAX	150
Amplified Amplitude			0	AMPMIN	150
0	(mV)	20	3	CCL	-1

200	VDL	1200	1	Sector Map	8
			25		75



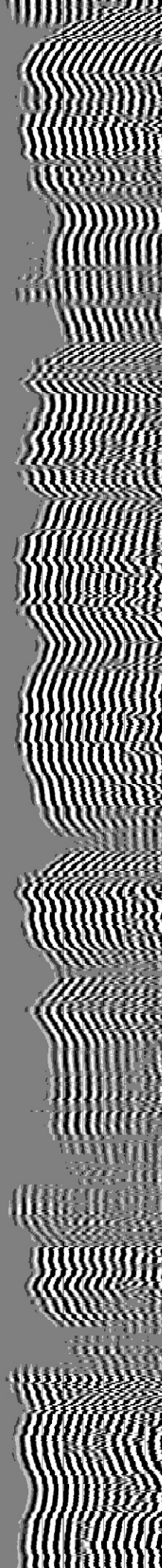
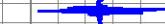
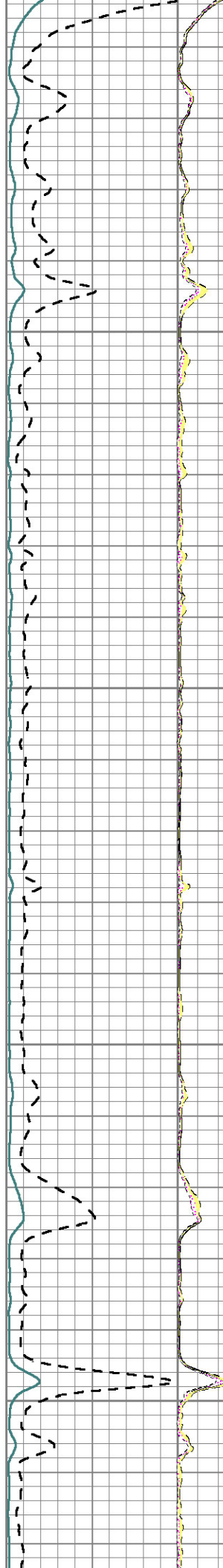


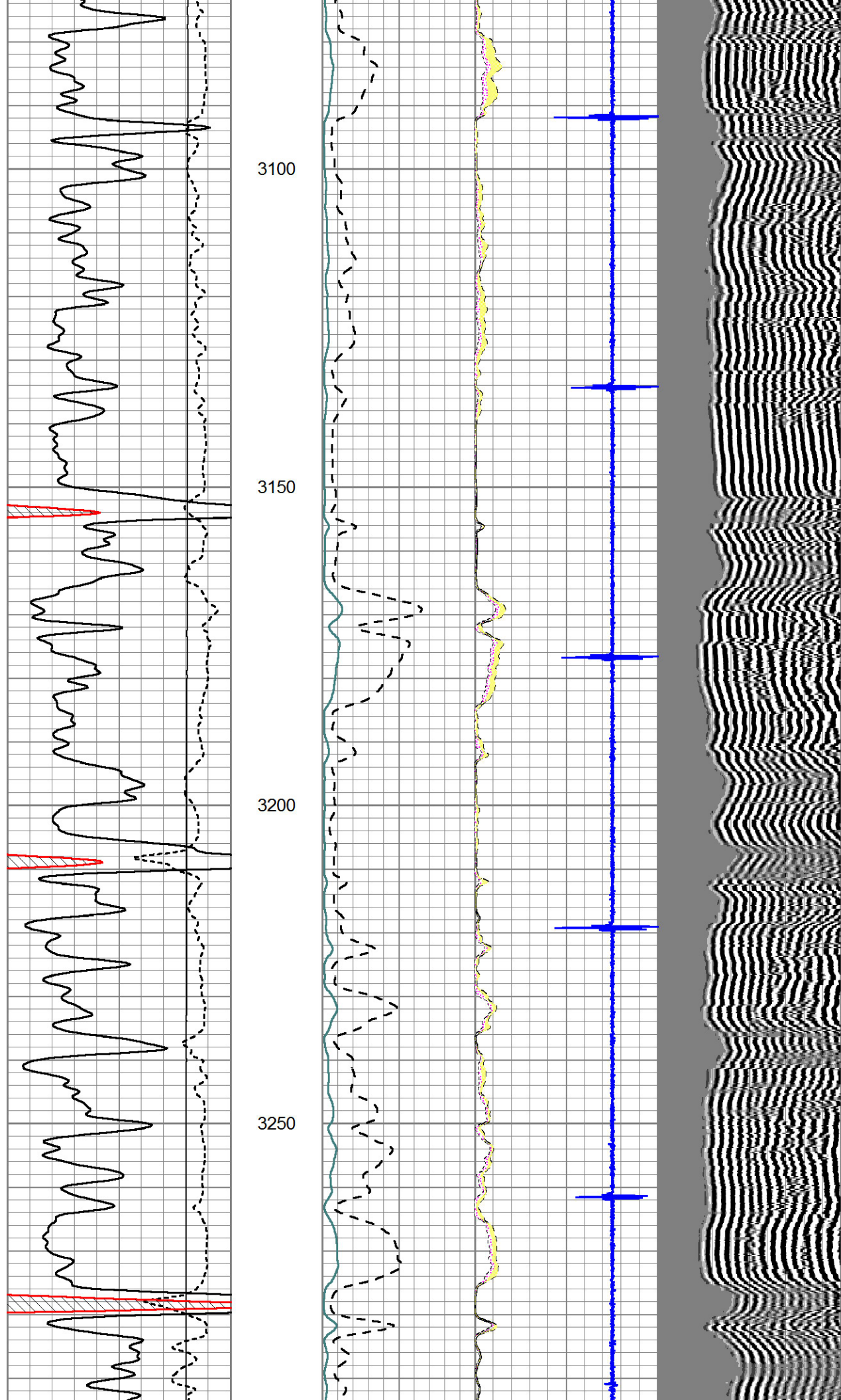
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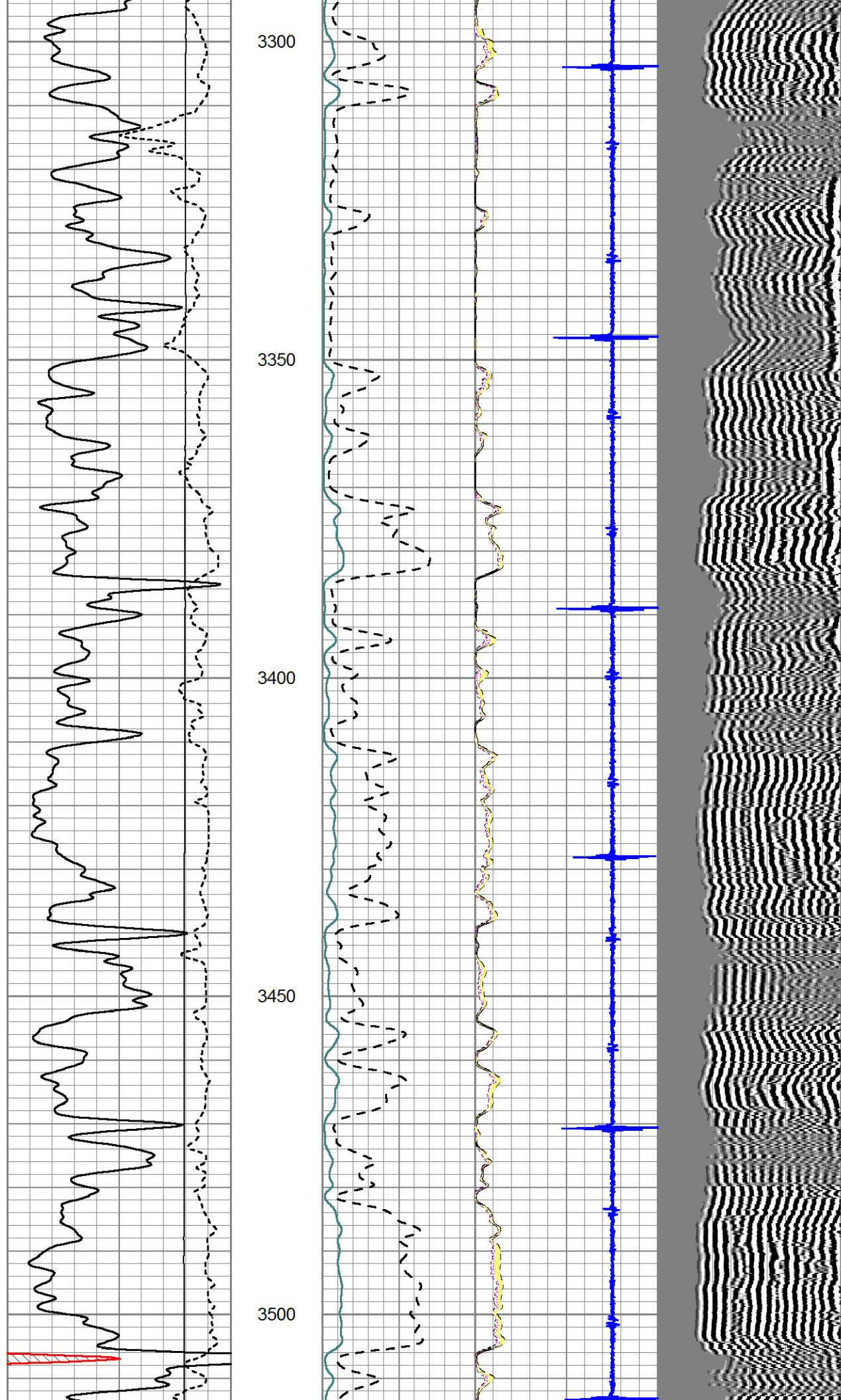
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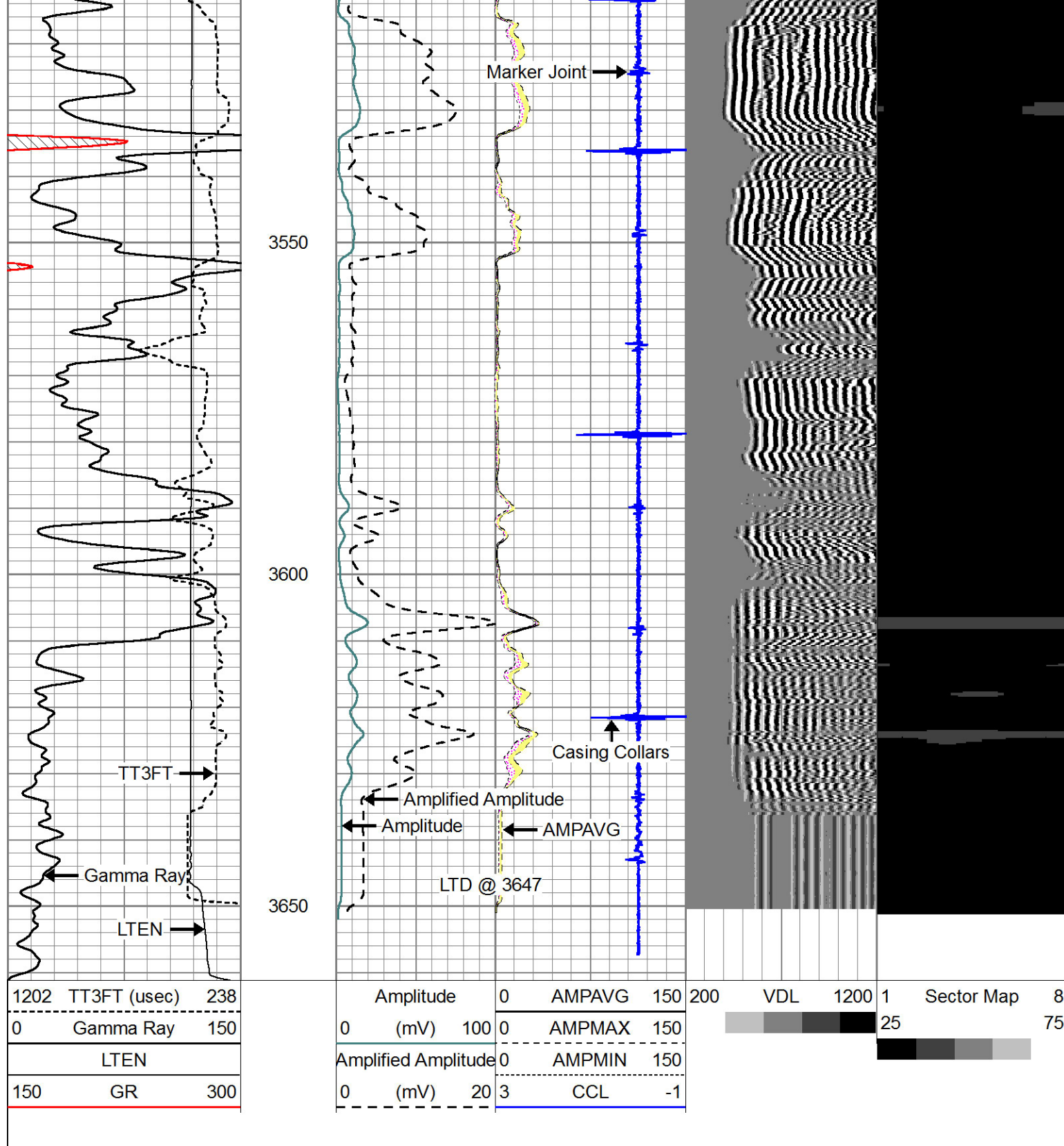
3000

3050









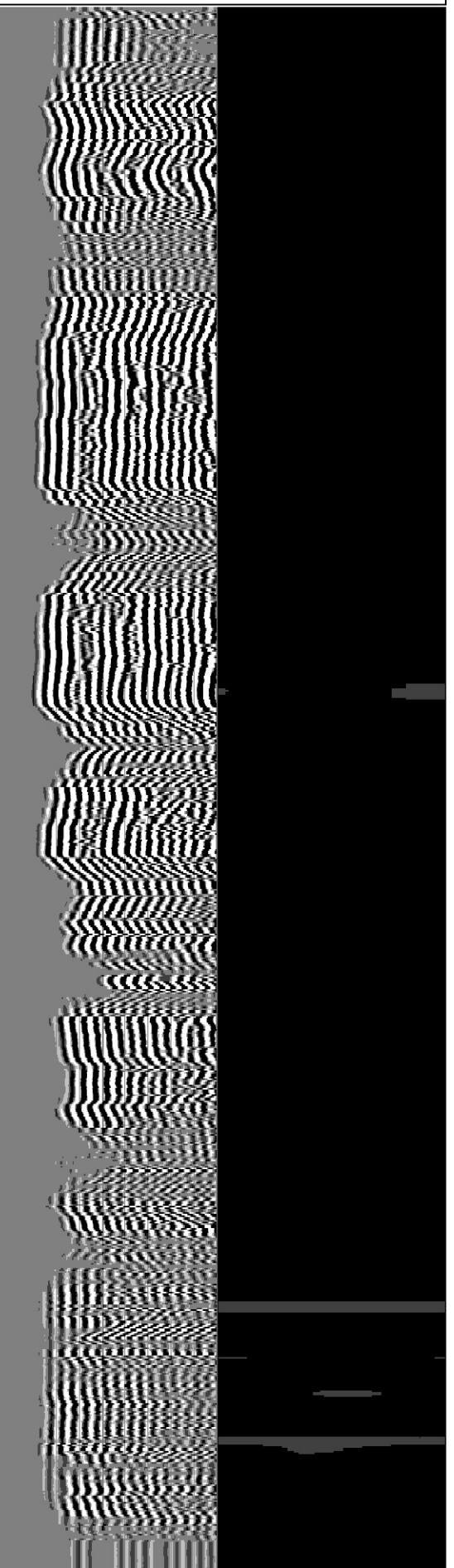
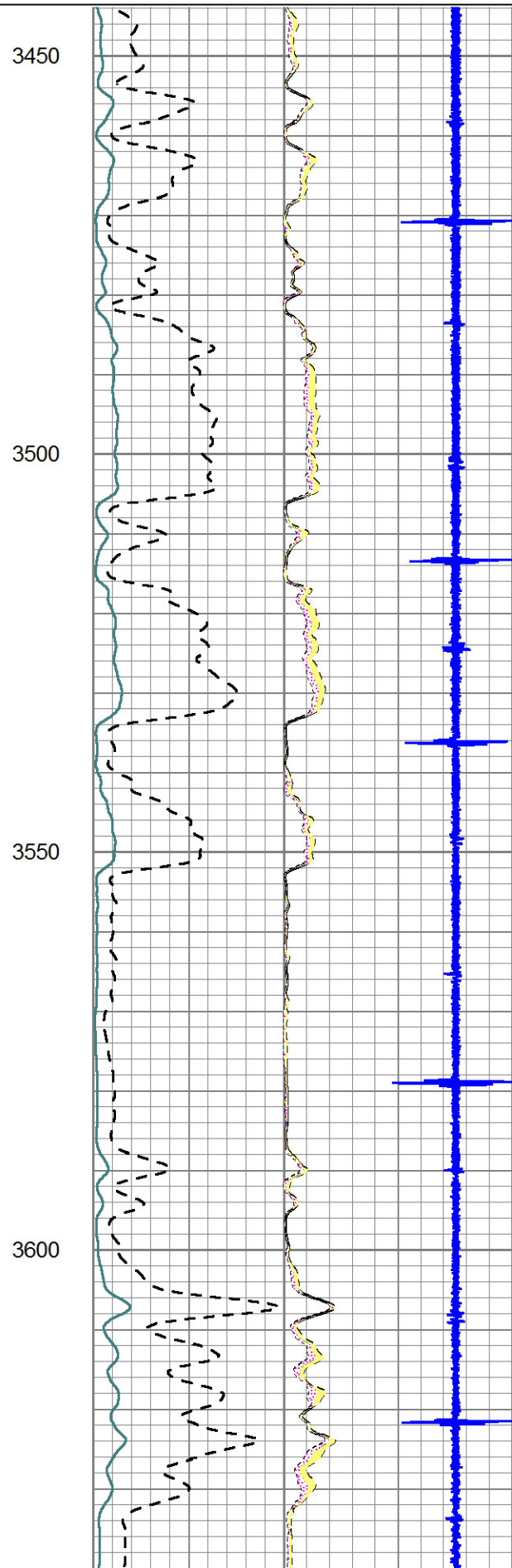
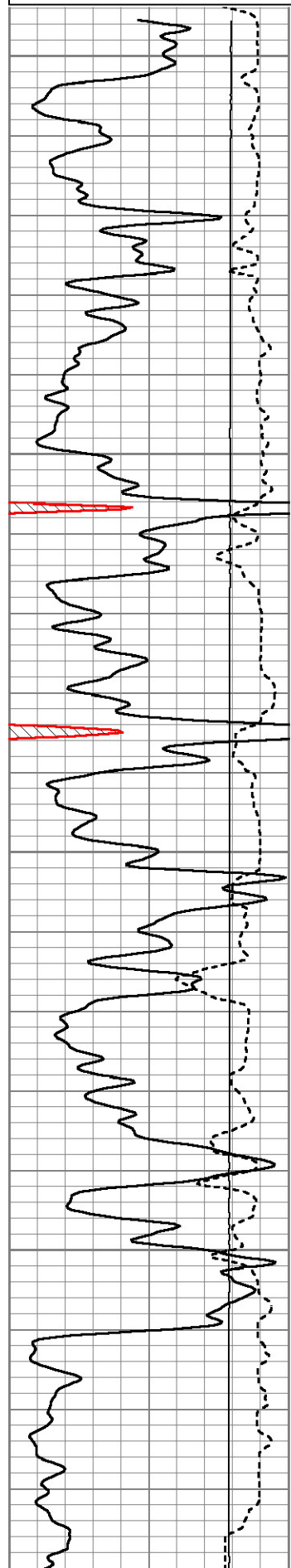
Repeat Section

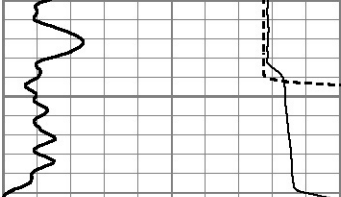
1202	TT3F1 (usec)	238
0	Gamma Ray	150
LTEN		
150	GR	300

Amplitude		
0	(mV)	100
Amplified Amplitude		
0	(mV)	20

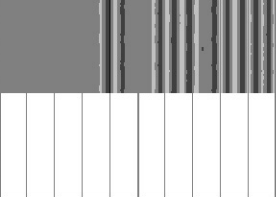
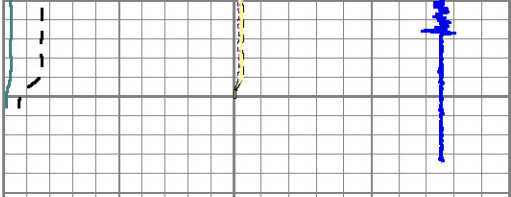
0	AMPAVG	150
0	AMPMIN	150
3	CCL	-1

200	VDL	1200	1	Sector Map	8
					75





3650



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0 (mV) 100	0	AMPMAX	150
Amplified Amplitude	0	AMPMIN	150
0 (mV) 20	3	CCL	-1

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