J-W WIRELINE COMPANY

PULSED NEUTRON PROCESSED LOG

Company	EAST CHEYENNE GAS STORAGE
Well	GILLHAM #3 (WP-D010)
Field	WEST PEETZ
County	LOGAN
State	COLORADO

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Well GILLHAM #3 (WP-D010)
Field WEST PEETZ
County LOGAN State COLORADO

Location: API # : 05-075-07156
2300' FSL & 2293' FWL
NW/SW
SEC 6 TWP 11 N RGE 52 W

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4556
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4565
D.F. 4564
G.L. 4556

Date	05-FEB-2013
Run Number	ONE
Depth Driller	5340
Depth Logger	5238
Bottom Logged Interval	5234
Top Log Interval	100
Open Hole Size	9 1/2
Type Fluid	GAS
Density / Viscosity	---
Max. Recorded Temp.	173
Estimated Cement Top	NA
Time Well Ready	ROA
Time Logger on Bottom	0830
Equipment Number	2829/29014
Location	STERLING
Recorded By	JIM McKIE
Witnessed By	MR. GARY OHLMAN

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
1	13.625	SURFACE	216	3.5	9.3	SURFACE	5145
2	9.5	216	5340				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625	25.4	SURFACE	216
Prot. String				
Production String	5.5	15.5	SURFACE	TOTAL DEPTH
Liner				

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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

LOG CORRELATED TO CASING INSPECTION LOG DATED 21-SEP-2011
WELL LOGGED IN 3 1/2" TUBING AND DRY GAS

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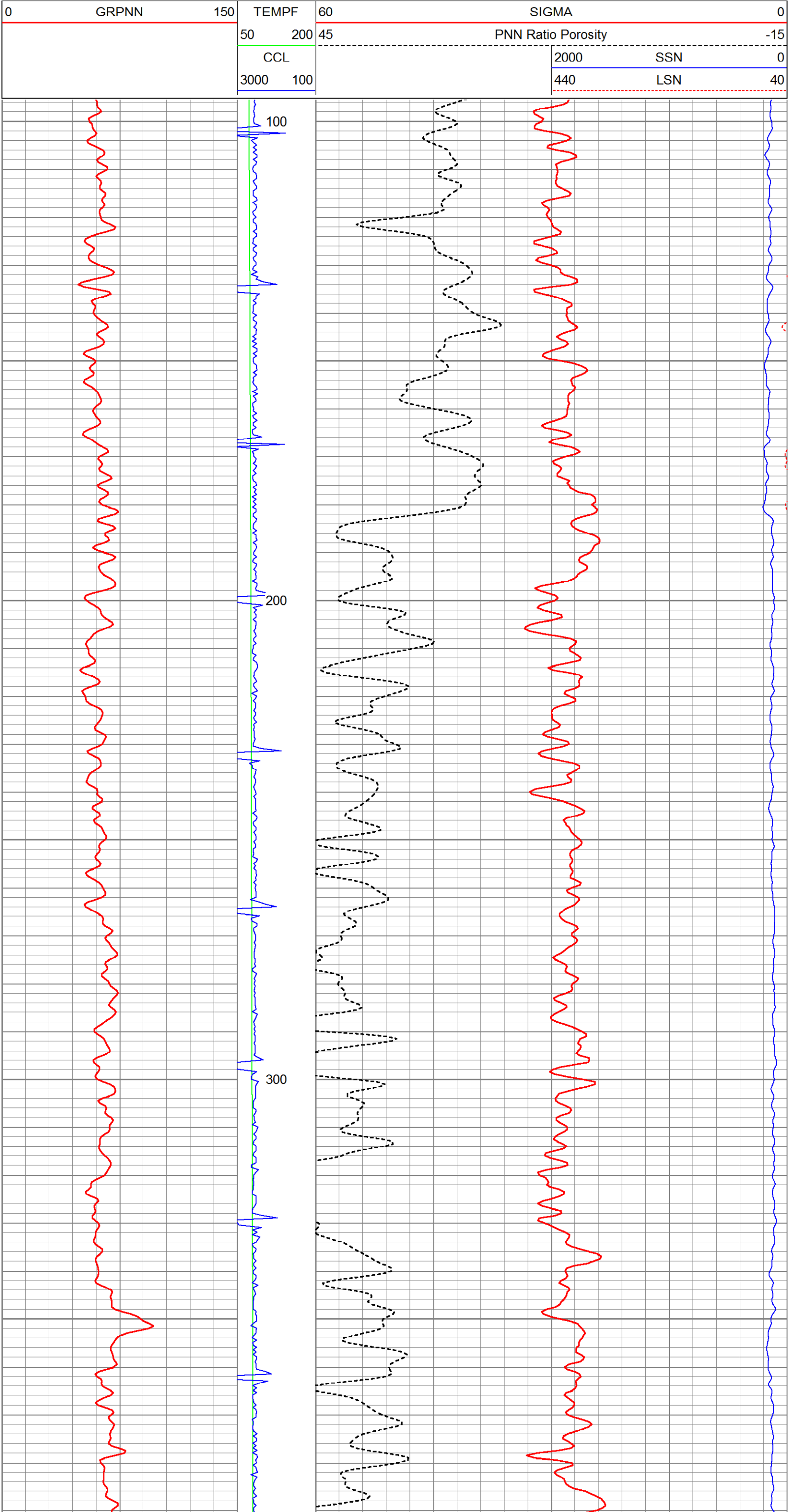
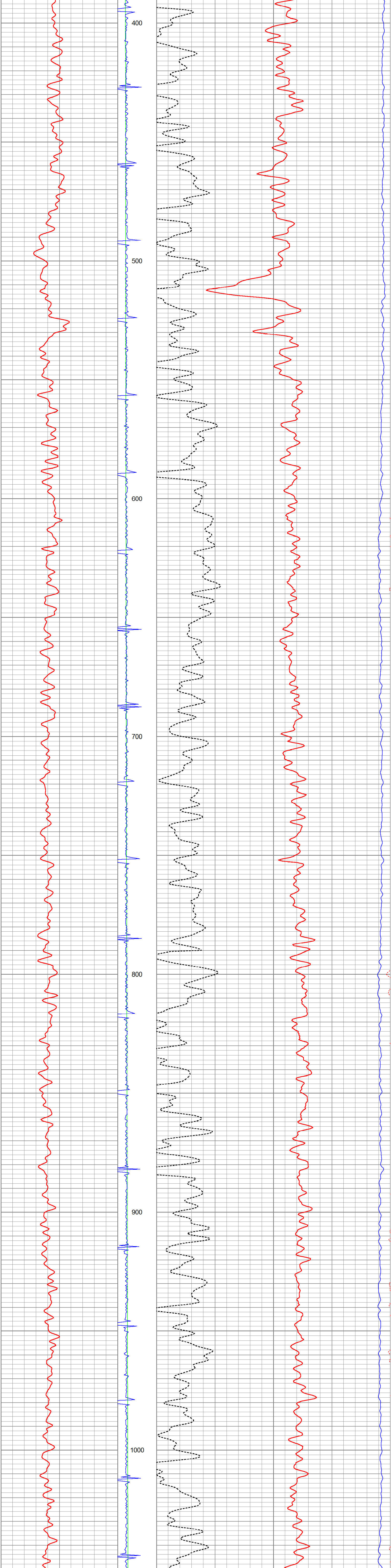
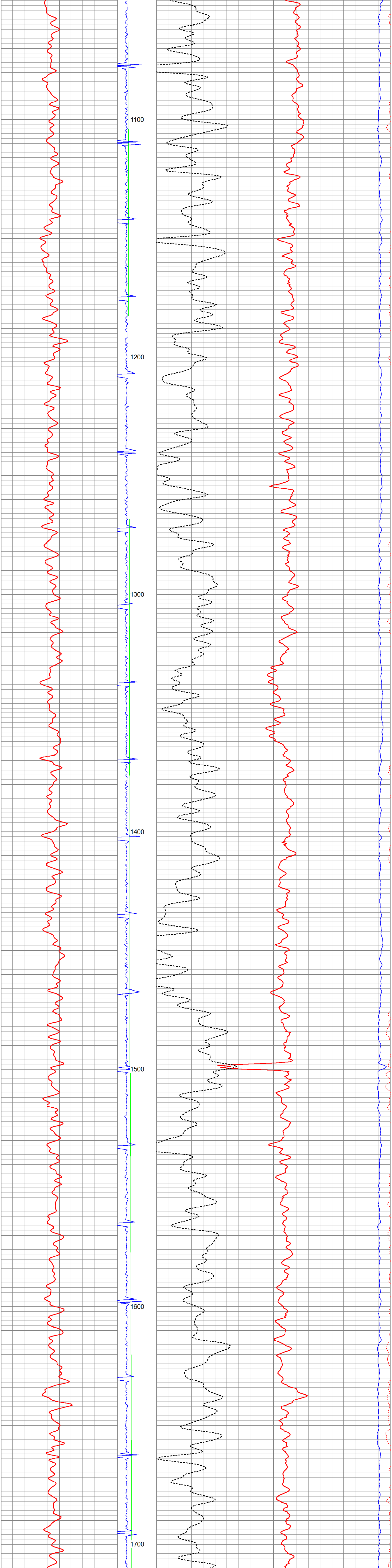
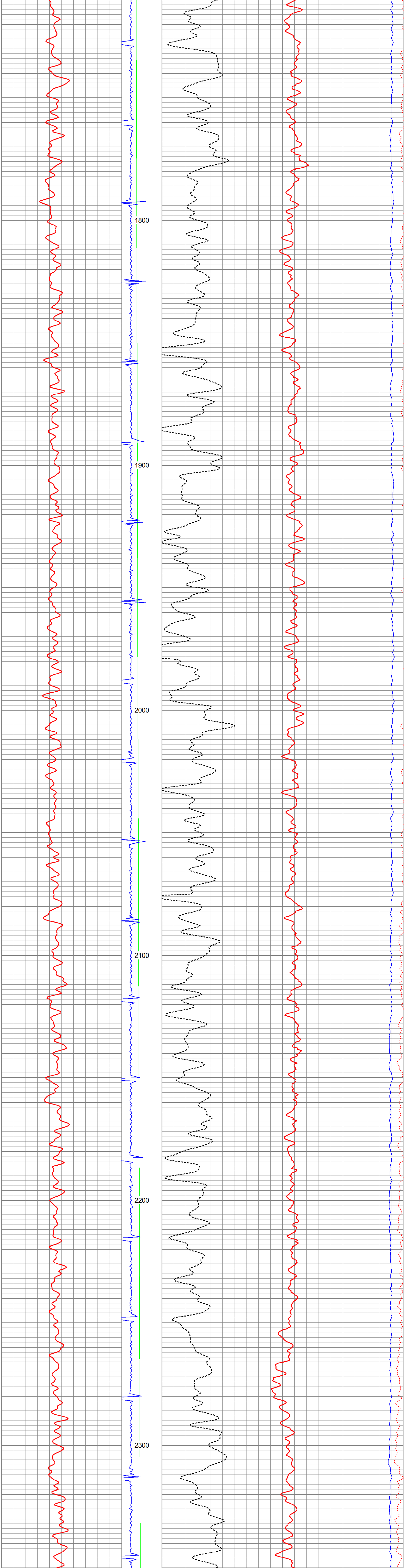
PNN Processed Log

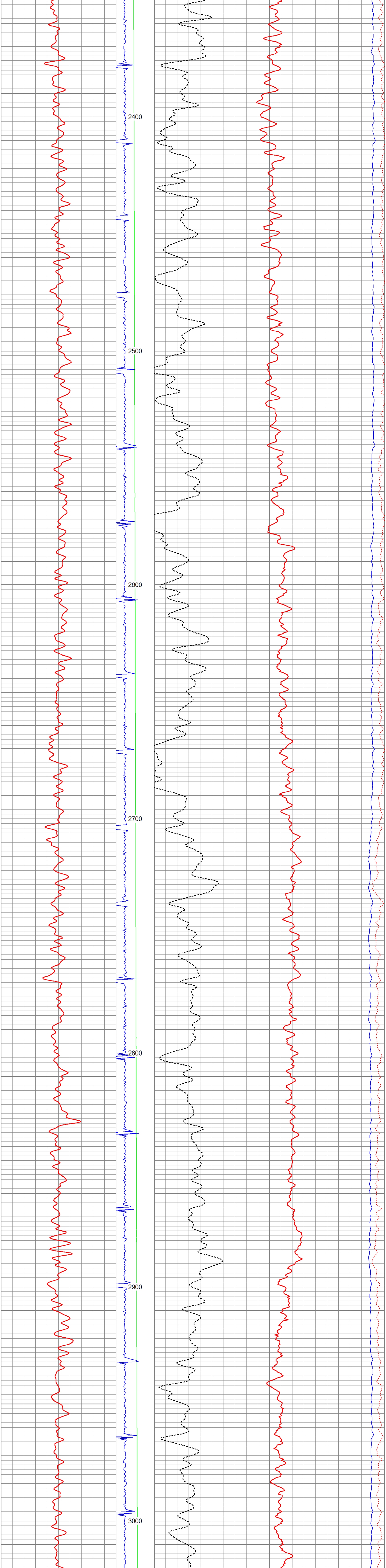
Database File: c:\warrior\data\gilham#3\gilham#3_pnnprocessedlog\gillham#3_pnn_mainpass_net_pnn_field_processed_log.d
Dataset Pathname: PNN/Proc
Presentation Format: pnnpr_jw
Dataset Creation: Thu Feb 07 04:21:36 2013
Charted by: Depth in Feet scaled 1:240

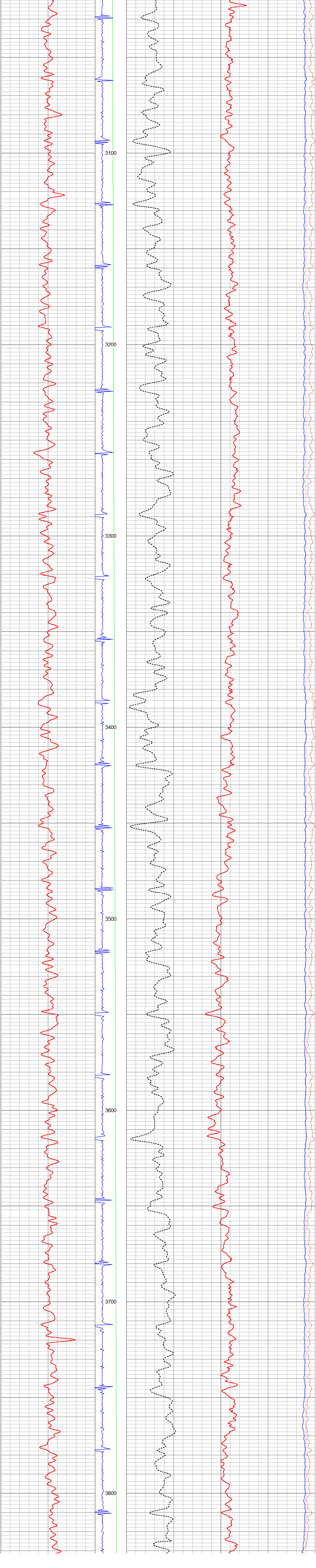


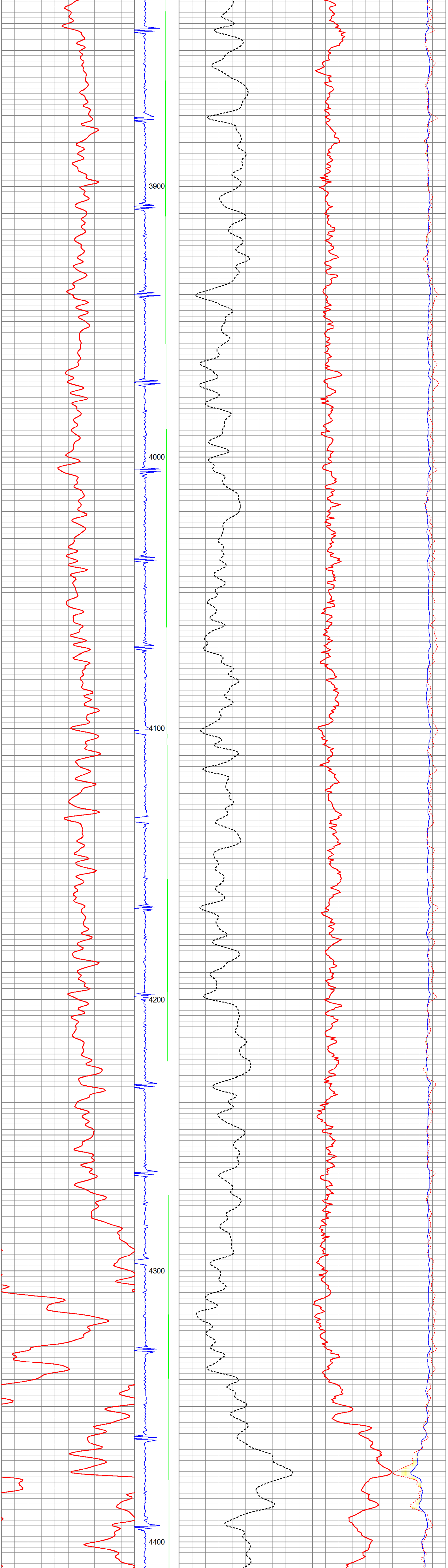


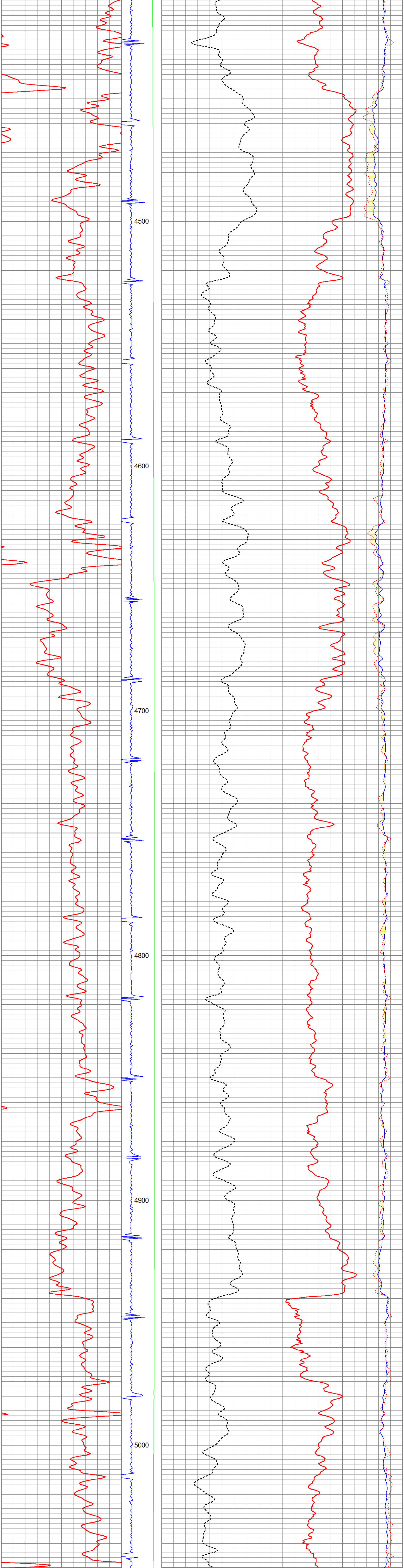


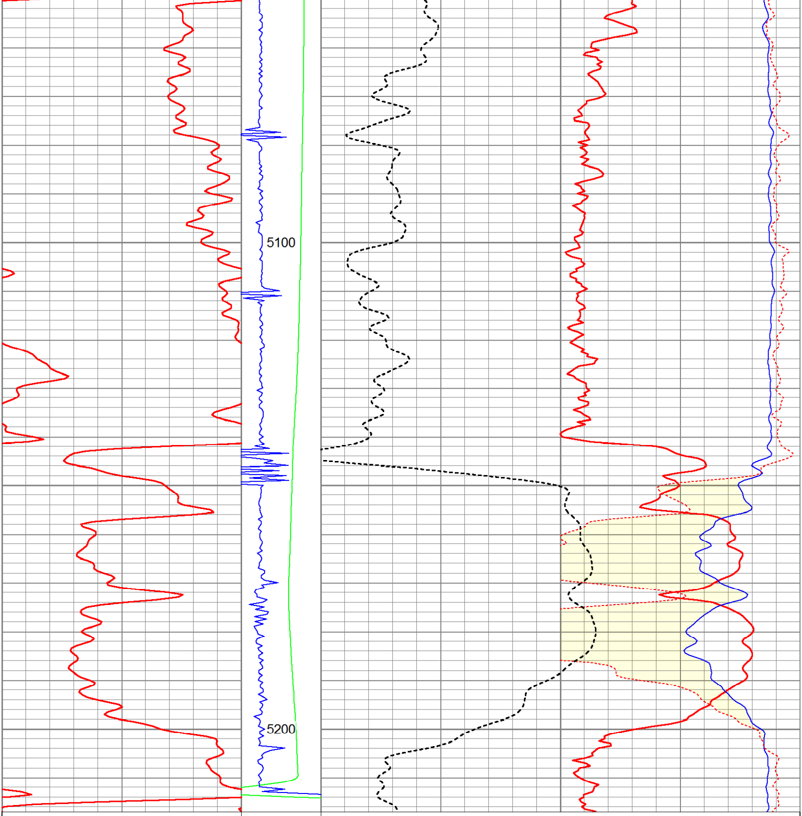












0 GRPNN 150	TEMPF	60 SIGMA 0
	50 200	45 PNN Ratio Porosity -15
	CCL	2000 SSN 0
	3000 100	440 LSN 40

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PNN Processed Pass Repeat

Database File:	c:\warrior\data\gilham#3\gillham#3_pnnprocessedlog\gillham#3_pnn_repeat_net_pnn_field_processed_log.db
Dataset Pathname:	PNN/Proc
Presentation Format:	pnnpr_jw
Dataset Creation:	Thu Feb 07 04:59:48 2013
Charted by:	Depth in Feet scaled 1:240

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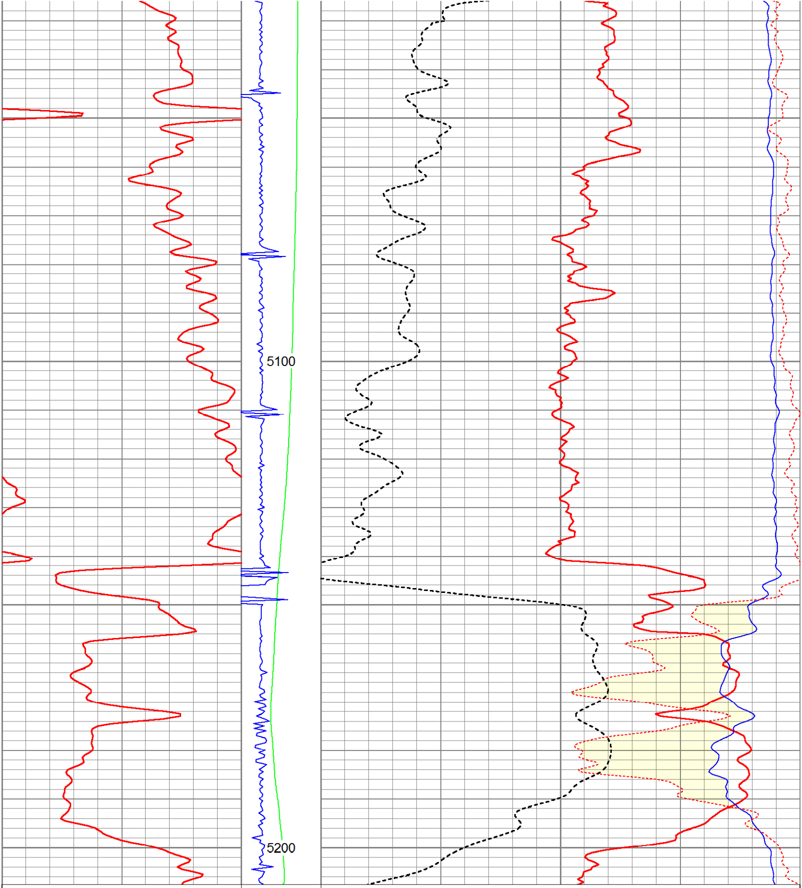
	100 200	45 PNN Ratio Porosity -15
	CCL	2000 SSN 0
	3000 100	440 LSN 40



0 GRPNN 150	TEMPF	60 SIGMA 0
	100 200	45 PNN Ratio Porosity -15
	CCL	2000 SSN 0
	3000 100	440 LSN 40