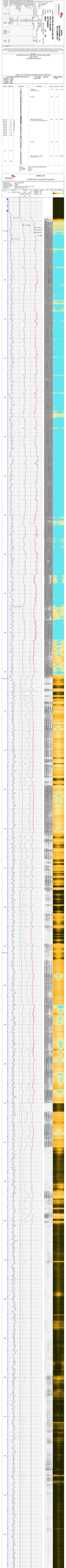
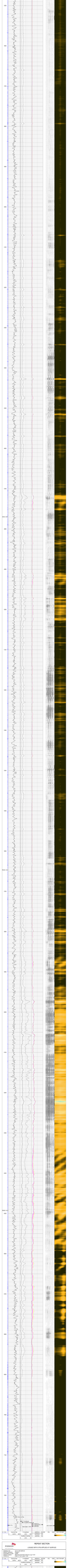
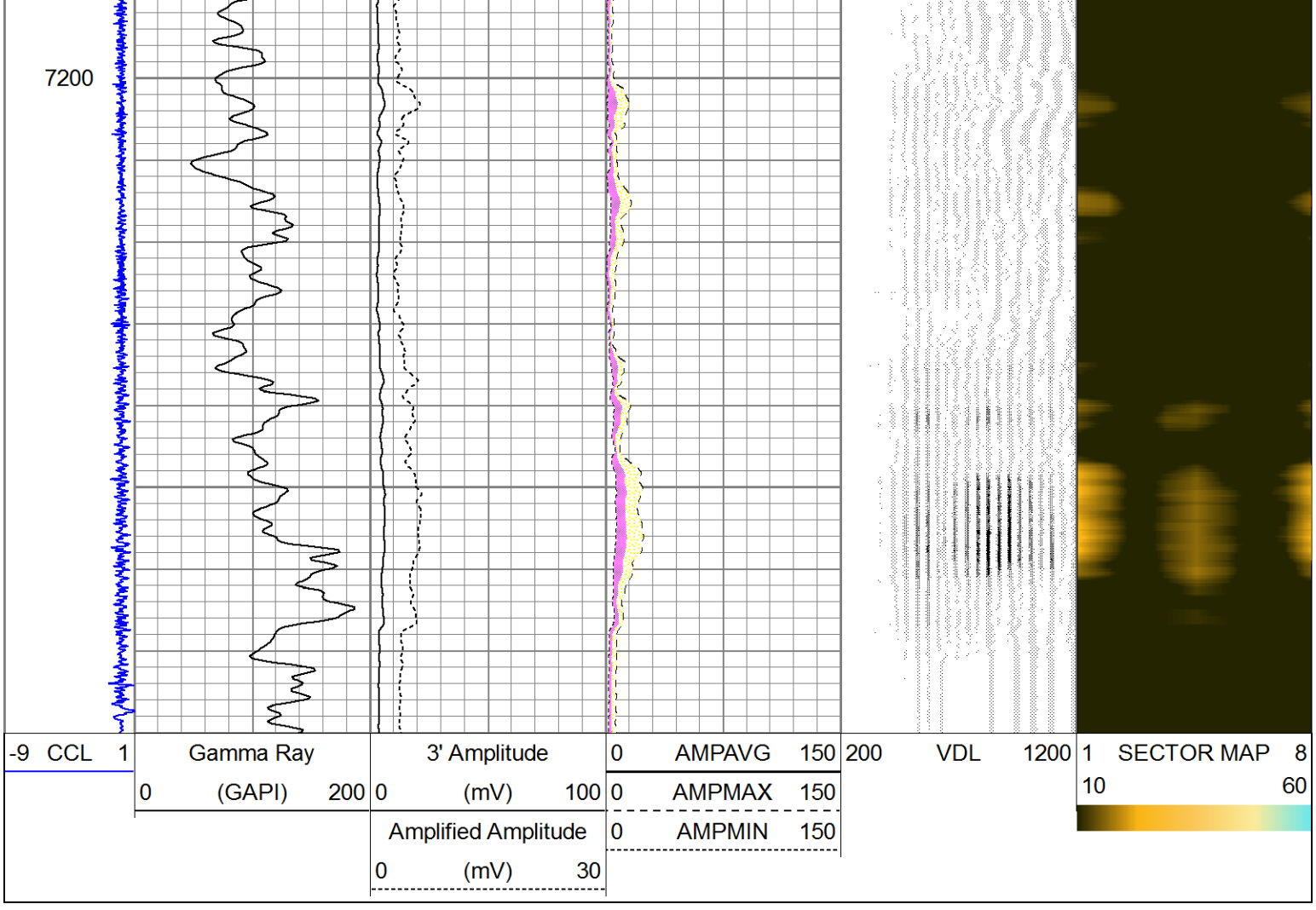



REPEAT SECTION
LOGGED WITH A PEX-HALS-DSI-HNGS SUITE



Calibration Report

Database File: ruhl 1a-32h-b264.db
Dataset Pathname: rbl/pass1
Dataset Creation: Wed Feb 04 20:56:16 2015 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	110249	
Tool Model:	Probe	
Performed:	Fri Jan 30 14:58:47 2015	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	111205	
Tool Model:	Probe275	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	1000.000	ft

Master Calibration, performed Fri Jan 23 10:29:18 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.990	0.000	62.001	80.000	0.700
CAL	0.000	1.006				
5'	0.000	0.913	0.000	62.000	78.739	0.000
SUM						
S1	0.000	0.981	0.000	100.000	101.973	0.000
S2	0.000	0.993	0.000	100.000	100.687	0.000
S3	0.000	0.996	0.000	100.000	100.444	0.000
S4	0.000	1.013	0.000	100.000	98.744	0.000
S5	0.000	1.034	0.000	100.000	96.721	0.000
S6	0.000	1.033	0.000	100.000	96.790	0.000
S7	0.000	1.029	0.000	100.000	97.143	0.000
S8	0.000	0.986	0.000	100.000	101.400	0.000

Internal Reference Calibration, performed Fri Jan 23 10:14:58 2015:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	1.006	1.000	0.000

Air Zero Calibration, performed Fri Jan 23 10:17:20 2015:

	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

PIONEER
Pioneer Energy Services

Company	ENCANA OIL & GAS (USA) INC		
Well	RUHL 1A-32H-B264		
Field	WATTENBERG		
County	WELD		
State	CO	Country	USA