Company	WIEPKING-FULLERTON ENERGY
Well	MA-STATE #3
Field	GREAT PLAINS
County	LINCOLN
State	COLORADO

PEAK WIRELINE SERVICES, INC.

RADIAL CEMENT BOND LOG

Company	WIEPKING-FULLERTON ENERGY, LLC.		
Well	MA-STATE #3		
Field	WILDCAT		
County	LINCOLN	State	COLORADO
Location	1980' FSL & 660' FWL NW SW	Other Services	
	SEC 24 TWP 10S RGE 56W		
Permanent Datum	GROUND LEVEL Elevation 5308	Elevation	K.B. 5321
Log Measured From	KELLY BUSHING 13' AGL		D.F. 5320
Drilling Measured From	KELLY BUSHING		G.L. 5308

Date	9-6-2013	
Run Number	ONE	
Depth Driller	8075	
Depth Logger	7319	
Bottom Logged Interval	7315	4960
Top Log Interval	5750	2700
Casing Size	5 1/2"	
Type Fluid	WATER	
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top	6180	
Time Well Ready		
Time Logger on Bottom		
Equipment Number	TR-8	
Location	CHEYENNE WELLS, CO.	
Recorded By	HENDERSON	
Witnessed By	RALPH STANSBURY	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0	313				
TWO	7 7/8"	313	8075				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#	0	313
Prot. String				
Production String	5 1/2"	17#	0	7383
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

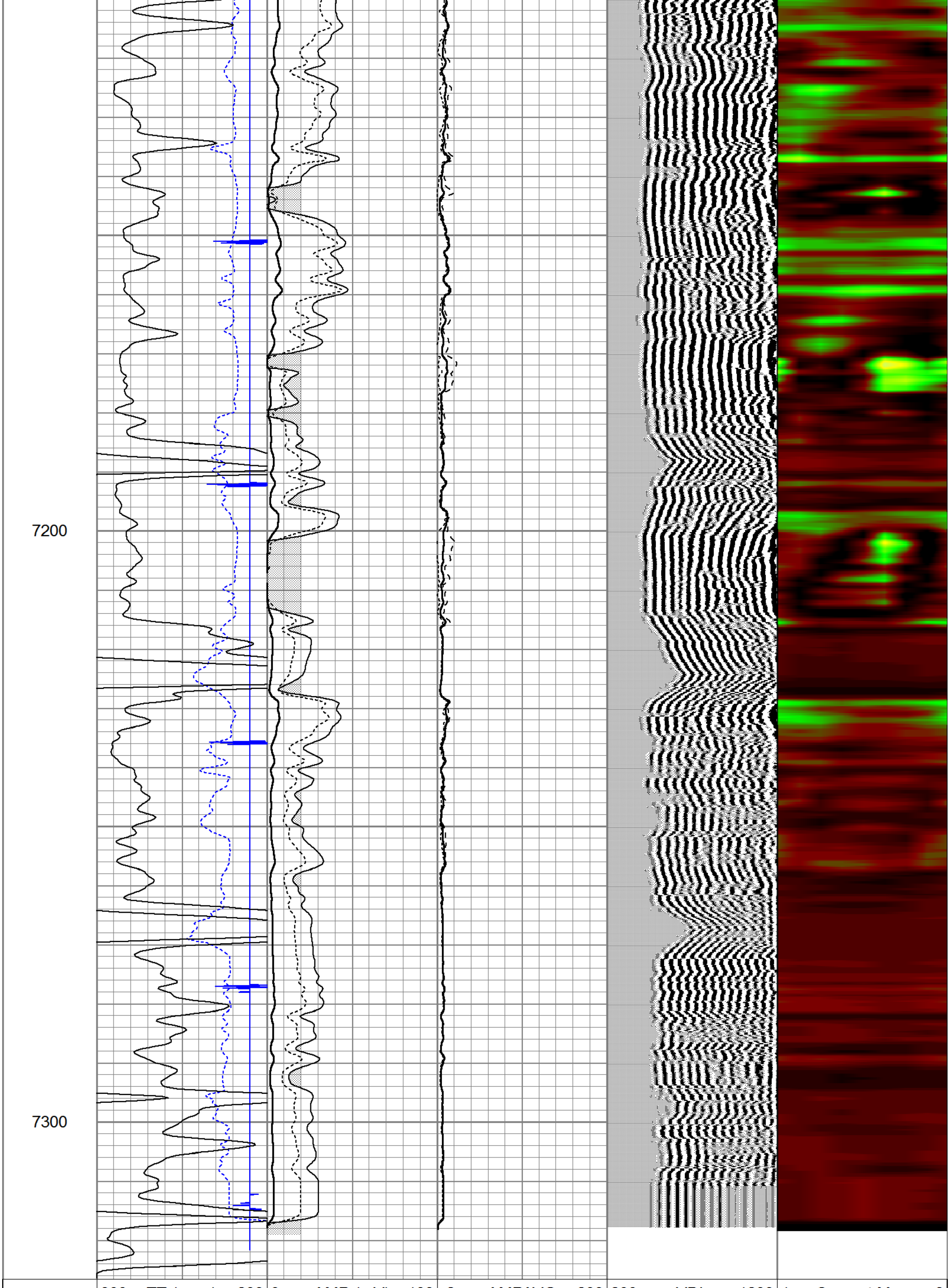
Database File:	mastate.db
Dataset Pathname:	3/run1/pass3.1
Presentation Format:	scbl02
Dataset Creation:	Fri Sep 06 16:36:11 2013
Charted by:	Depth in Feet scaled 1:240

800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

Database File:	mastate.db
Dataset Pathname:	3/run1/pass2.1
Presentation Format:	scbl02
Dataset Creation:	Fri Sep 06 16:39:22 2013
Charted by:	Depth in Feet scaled 1:240

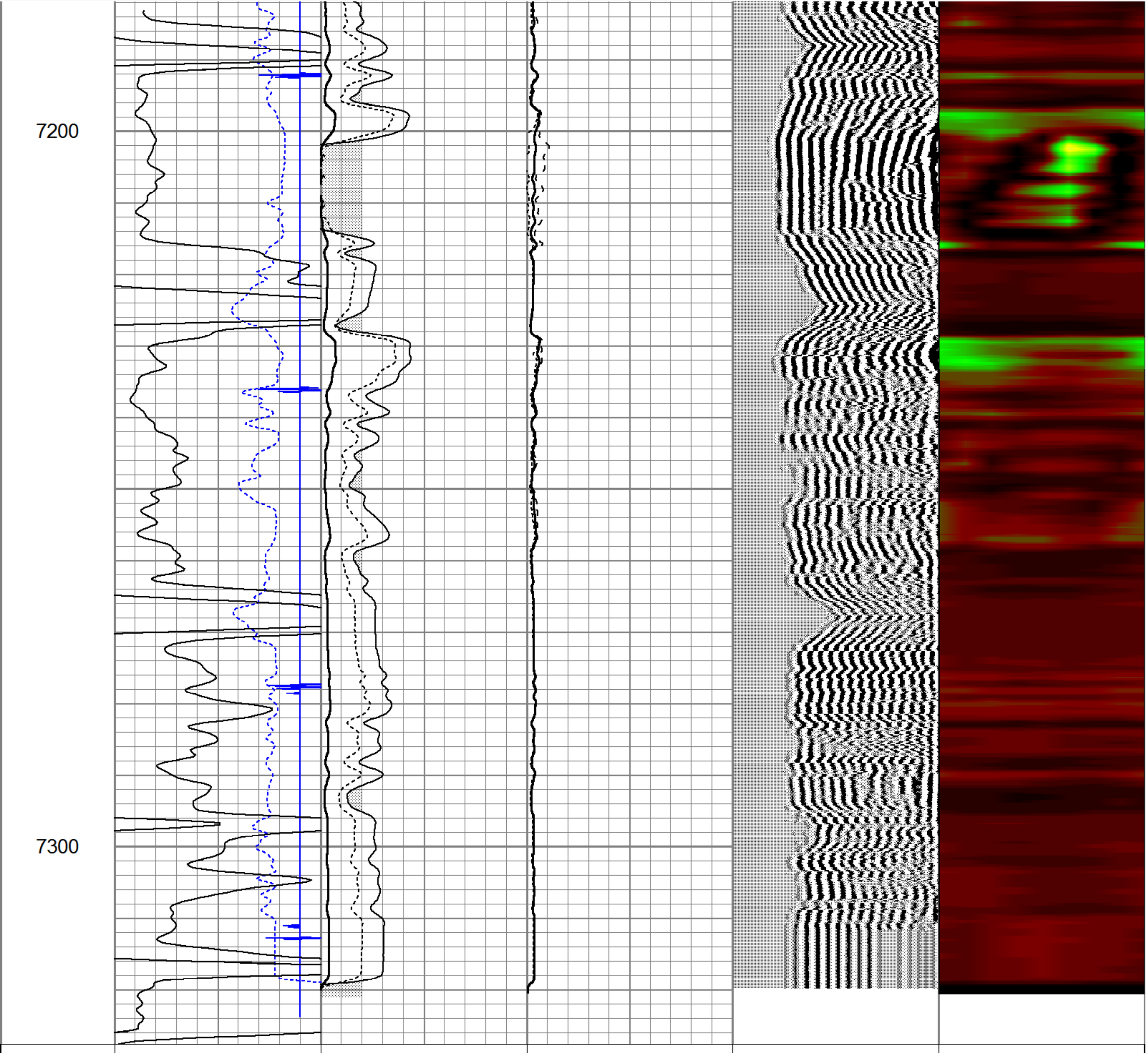
800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				



800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

Database File: mastate.db
Dataset Pathname: 3/run1/pass1
Presentation Format: scbl02
Dataset Creation: Fri Sep 06 14:55:51 2013 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				



800 TT (usec) 200	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-9 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		
0 GR (GAPI) 200	1 Bond Index 0	-2 AMPMIN 200		
200 (null) (GAPI) 400				

Calibration Report

Database File: mastate.db
Dataset Pathname: 3/run1/pass2.1
Dataset Creation: Fri Sep 06 16:39:22 2013

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Fri Aug 09 11:38:03 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	4.5040904	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	156.950	ft

Master Calibration, performed Fri Sep 06 14:37:28 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.014	1.284	0.250	71.921	56.413	-0.539
CAL	1.494	1.488				
5'	0.014	1.220	0.250	71.921	59.420	-0.559
SUM						
S1	0.012	1.293	0.250	100.000	77.865	-0.686
S2	0.014	1.290	0.250	100.000	78.212	-0.855
S3	0.015	1.272	0.250	100.000	79.303	-0.900
S4	0.015	1.266	0.250	100.000	79.708	-0.913
S5	0.014	1.260	0.250	100.000	80.096	-0.894
S6	0.015	1.265	0.250	100.000	79.794	-0.942
S7	0.015	1.264	0.250	100.000	79.851	-0.948
S8	0.015	1.276	0.250	100.000	79.103	-0.918

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.494	1.488	1.000	0.000

Air Zero Calibration, performed Fri Sep 06 14:37:09 2013:

	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