# PEAK WIRELINE SERVICES, INC.

# DUAL SPACED CEMENT BOND LOG

|  |  |
|---|---|
| Company | PRONGHORN OPERATING, LLC. |
| Well | CHESNEE #1 |
| Field | SPUR |
| County | CHEYENNE |
| State | COLORADO |

Company PRONGHORN OPERATING, LLC

Well CHESNEY #1

Field SPUR

County CHEYENNE State COLORADO

Location
SE NE
SEC 7 TWP 14S RGE 44W

Other Services

Permanent Datum GROUND LEVEL Elevation 4274
Log Measured From KELLY BUSHING 12' AGL
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4286
D.F. 4285
G.L. 4274

|  |  |  |
|---|---|---|
| Date | 10-24-2012 |  |
| Run Number | ONE |  |
| Depth Driller | 5575 |  |
| Depth Logger | 5527 | 2660 |
| Bottom Logged Interval | 5523 | 2660 |
| Top Log Interval | 3950 | 1500 |
| Casing Size | 5 1/2" |  |
| Type Fluid | WATER |  |
| Density / Viscosity |  |  |
| Max. Recorded Temp. |  |  |
| Estimated Cement Top | 4090 |  |
| Time Well Ready |  |  |
| Time Logger on Bottom |  |  |
| Equipment Number | TR-4 |  |
| Location | CHEYENNE WELLS, CO |  |
| Recorded By | HENDERSON |  |
| Witnessed By | ZANE KUENZLER |  |

| Borehole Record |  |  |  | Tubing Record |  |  |  |
|---|---|---|---|---|---|---|---|
| Run Number | Bit | From | To | Size | Weight | From | To |
| ONE | 12 1/4" | 0 | 415 |  |  |  |  |
| TWO | 7 7/8" | 415 |  |  |  |  |  |

| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 8 5/8" | 24# | 0 | 415 |
| Prot. String |  |  |  |  |
| Production String | 5 1/2" | 15.5# | 0 | 5565 |
| Liner |  |  |  |  |

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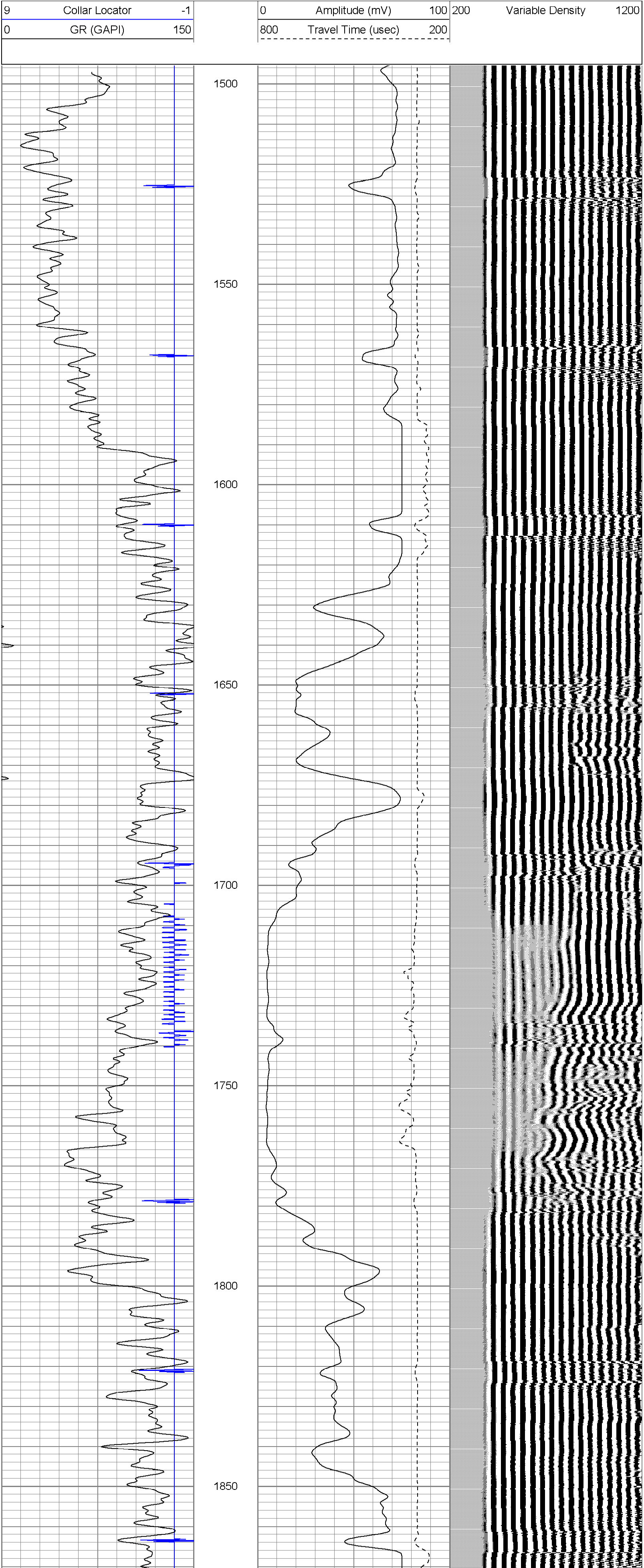
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

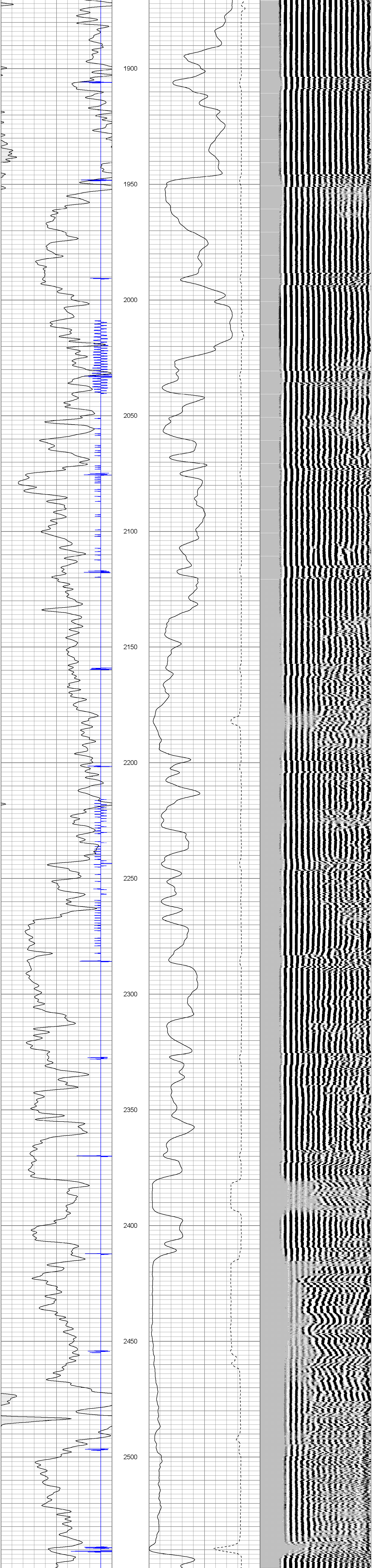
Comments

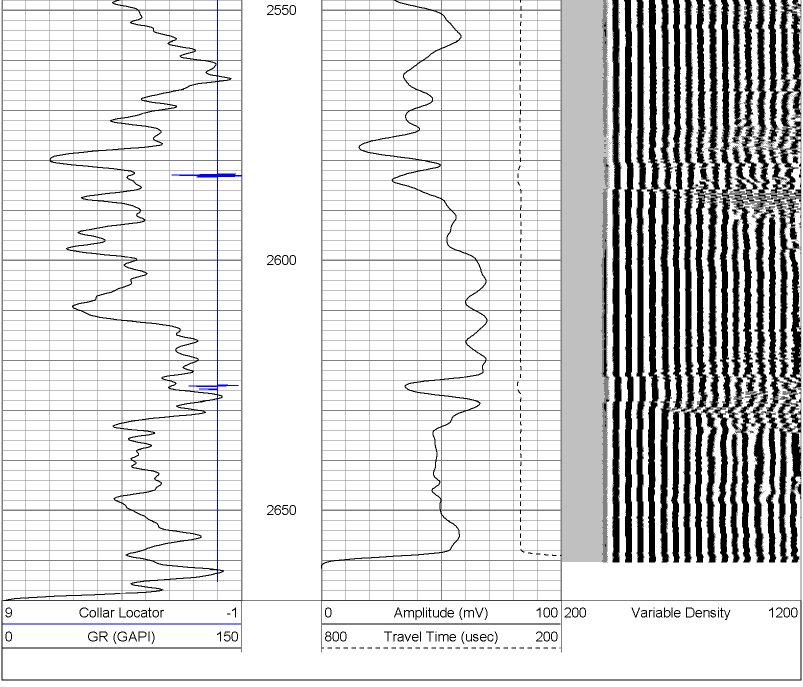
PEAK WIRELINE SERVICES, INC.

# PORT COLLAR

|  |  |
|---|---|
| Database File: | ches.db |
| Dataset Pathname: | pass4 |
| Presentation Format: | cbldig |
| Dataset Creation: | Wed Oct 24 11:21:51 2012 by Log Std Casedhole 07081 |
| Charted by: | Depth in Feet scaled 1:240 |







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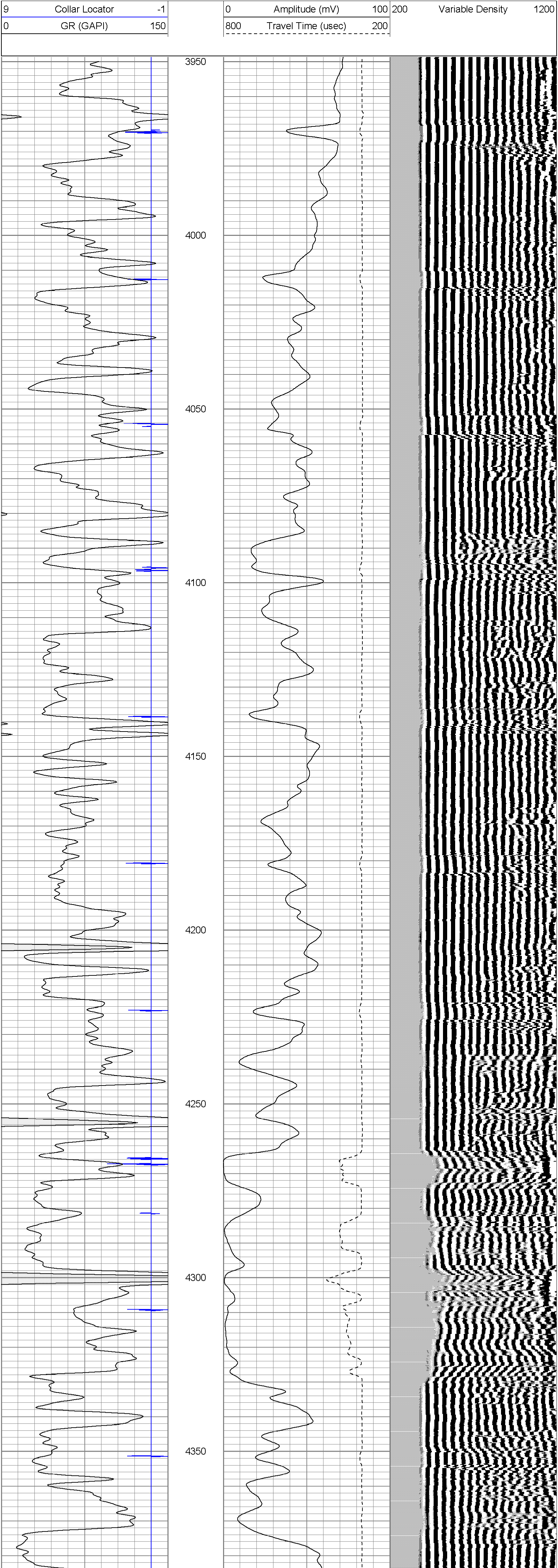
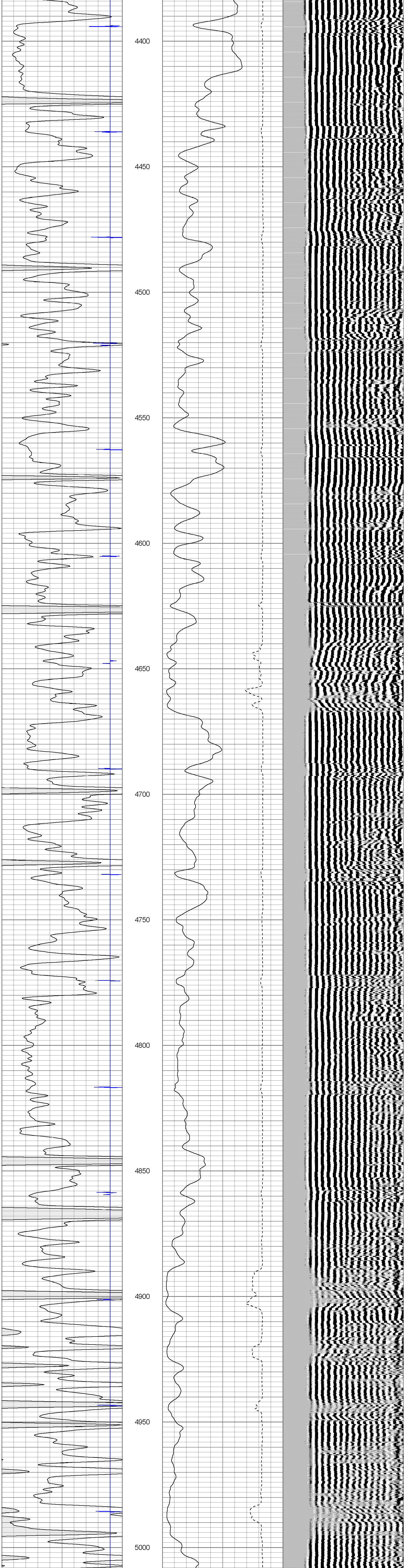
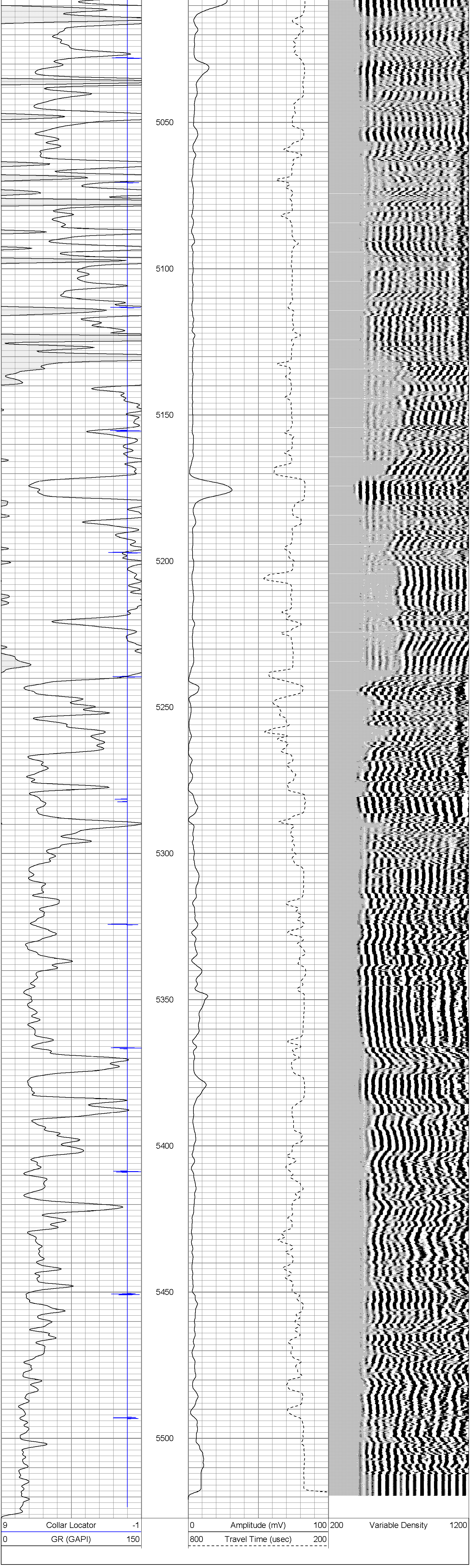
# MAIN PASS

| | |
|---|---|
| Database File: | ches.db |
| Dataset Pathname: | pass3 |
| Presentation Format: | cbldig |
| Dataset Creation: | Wed Oct 24 10:47:07 2012 by Log Std Casedhole 07081 |
| Charted by: | Depth in Feet scaled 1:240 |







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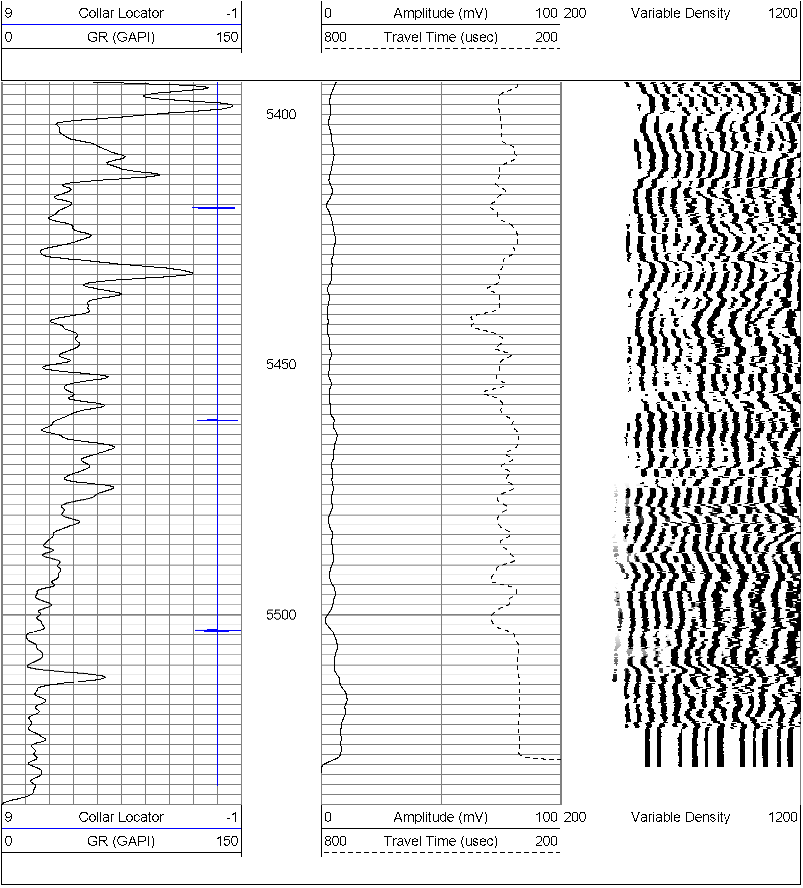
# REPEAT SECTION

Database File: ches.db
Dataset Pathname: pass2
Presentation Format: cbldig
Dataset Creation: Wed Oct 24 10:39:05 2012 by Log Std Casedhole 07081
Charted by: Depth in Feet scaled 1:240



## Calibration Report

Database File: ches.db
Dataset Pathname: pass4
Dataset Creation: Wed Oct 24 11:21:51 2012 by Log Std Casedhole 07081

### Gamma Ray Calibration Report

| | | |
|---|---|---|
| Serial Number: | 061120GR | |
| Tool Model: | PROBE | |
| Performed: | Wed Oct 24 10:38:22 2012 | |
| Calibrator Value: | 1.0 | GAPI |
| Background Reading: | 1.0 | cps |
| Calibrator Reading: | 1.0 | cps |
| Sensitivity: | 1.0000 | GAPI/cps |

### Cement Bond Log Calibration Report

| | | |
|---|---|---|
| Serial Number: | 5.5dig040201 | |
| Tool Model: | Probe275Digital | |
| Performed: | Wed Oct 24 10:32:15 2012 | |
| Depth: | 0 | ft |
| Casing Diameter: | 5.5 | in |

| | 3' Spacing | 5' Spacing | |
|---|---|---|---|
| Signal Zero: | 0 | 0 | mV |
| Calibrated Amplitude: | 71.921 | 71.921 | mV |
| Reading at Signal Zero: | -0.00439453 | 0.000561523 | V |
| Reading in Free Pipe: | 2.3895 | 2.39624 | V |
| Gain: | 30.0435 | 30.0211 | |
| Offset: | 0.132027 | -0.0168576 | |