**PEAK WIRELINE SERVICES, INC.**

# RADIAL CEMENT BOND LOG

| | |
|---|---|
| Company | WIEPKING-FULLERTON ENERGY |
| Well | GOOD DEAL #13 |
| Field | WILDCAT |
| County | LINCOLN |
| State | COLORADO |

| | | | |
|---|---|---|---|
| Company | WIEPKING-FULLERTON ENERGY, LLC | | |
| Well | GOOD DEAL #13 | | |
| Field | WILDCAT | | |
| County | LINCOLN | State | COLORADO |
| Location | 810' FSL & 660' FWL SW SW<br>SEC 16 TWP 10S RGE 55W | Other Services | |
| Permanent Datum | GROUND LEVEL | Elevation | 5165 |
| Log Measured From | KELLY BUSHING 13' AGL | Elevation | K.B. 5178<br>D.F. 5177<br>G.L. 5165 |
| Drilling Measured From | KELLY BUSHING | | |

| | |
|---|---|
| Date | 11-30-2015 |
| Run Number | ONE |
| Depth Driller | 8010 |
| Depth Logger | 7926 |
| Bottom Logged Interval | 7922 |
| Top Log Interval | |
| Casing Size | 5 1/2" |
| Type Fluid | WATER |
| Density / Viscosity | |
| Max. Recorded Temp. | |
| Estimated Cement Top | |
| Time Well Ready | |
| Time Logger on Bottom | |
| Equipment Number | TR-8 |
| Location | CHEYENNE WELLS, CO |
| Recorded By | HENDERSON |
| Witnessed By | BUBBA HALDE |

| Borehole Record | | | | Tubing Record | | |
|---|---|---|---|---|---|---|
| Run Number | Bit | From | To | Size | Weight | From | To |
| ONE | 12 1/4" | 0 | 313 | | | | |
| TWO | 7 7/8" | 313 | 7946 | | | | |

| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 8 5/8" | 24# | 0 | 313 |
| Prot. String | | | | |
| Production String | 5 1/2" | 17# | 0 | 7946 |
| 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.**

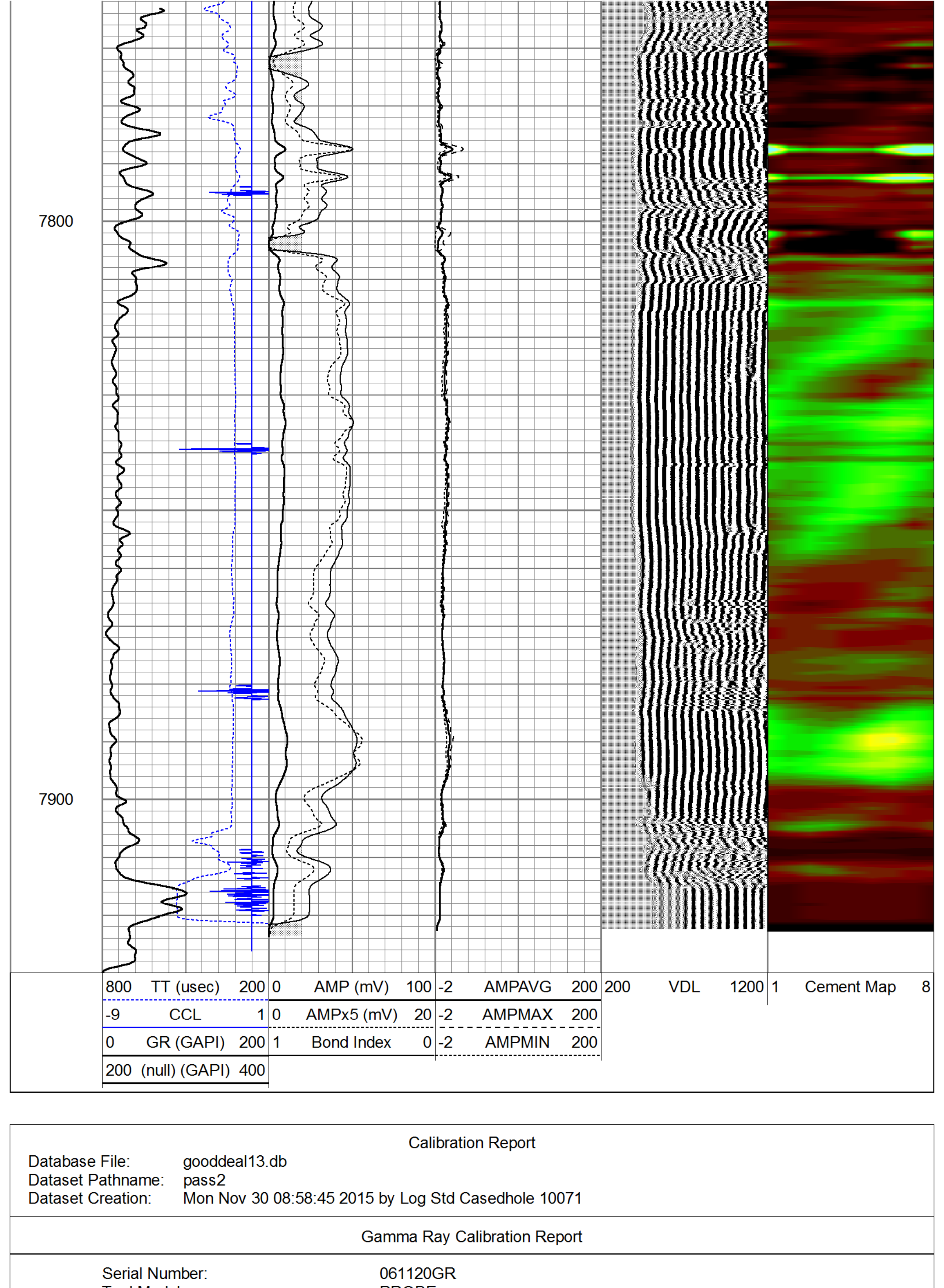
# MAIN PASS

| | |
|---|---|
| Database File: | gooddeal13.db |
| Dataset Pathname: | pass2 |
| Presentation Format: | scbl02 |
| Dataset Creation: | Mon Nov 30 08:58:45 2015 by Log Std Casedhole 10071 |
| Charted by: | Depth in Feet scaled 1:240 |

**PEAK WIRELINE SERVICES, INC.**

# REPEAT SECTION

Database File: gooddeal13.db
Dataset Pathname: pass1
Presentation Format: scbl02
Dataset Creation: Mon Nov 30 08:54:00 2015 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



## Calibration Report

Database File: gooddeal13.db
Dataset Pathname: pass2
Dataset Creation: Mon Nov 30 08:58:45 2015 by Log Std Casedhole 10071

### Gamma Ray Calibration Report

| | | |
|---|---|---|
| Serial Number: | 061120GR | |
| Tool Model: | PROBE | |
| Performed: | Mon Nov 30 08:57:32 2015 | |
| Calibrator Value: | 1.0 | GAPI |
| Background Reading: | 0.0 | cps |
| Calibrator Reading: | 1.0 | cps |
| Sensitivity: | 1.2000 | GAPI/cps |

### Segmented Cement Bond Log Calibration Report

| | | |
|---|---|---|
| Serial Number: | 4.5040904 | |
| Tool Model: | Probe | |
| Calibration Casing Diameter: | 5.500 | in |
| Calibration Depth: | 13.000 | ft |

Master Calibration, performed Mon Nov 30 08:27:15 2015:

| | Raw (v) | | Calibrated (mv) | | Results | |
|---|---|---|---|---|---|---|
| | Zero | Cal | Zero | Cal | Gain | Offset |
| 3' | 0.000 | 1.913 | 0.250 | 71.921 | 37.472 | 0.250 |
| CAL | 0.000 | 2.152 | | | | |
| 5' | 0.000 | 1.841 | 0.250 | 71.921 | 38.938 | 0.250 |
| SUM | | | | | | |
| S1 | 0.000 | 1.888 | 0.250 | 100.000 | 52.830 | 0.250 |
| S2 | 0.000 | 1.870 | 0.250 | 100.000 | 53.334 | 0.250 |
| S3 | 0.000 | 1.891 | 0.250 | 100.000 | 52.748 | 0.250 |
| S4 | 0.000 | 1.906 | 0.250 | 100.000 | 52.330 | 0.250 |
| S5 | 0.000 | 1.918 | 0.250 | 100.000 | 52.005 | 0.250 |
| S6 | 0.000 | 1.923 | 0.250 | 100.000 | 51.885 | 0.250 |
| S7 | 0.000 | 1.903 | 0.250 | 100.000 | 52.427 | 0.250 |
| S8 | 0.000 | 1.887 | 0.250 | 100.000 | 52.851 | 0.250 |

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 | 0.000 | 2.152 | 1.000 | 0.000 |

Air Zero Calibration, performed Mon Nov 30 08:27:34 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 |