# Cement Bond Log

Company Jason Oil Company
Well Patterson No.3
Field Gorham
County Russell State Kanas

Location: API # : 15-167-23920-0000
1210' FNL & 330' FWL
SEC 36 TWP 13S RGE 15W

Other Services

Permanent Datum Ground Level Elevation 1875'
Log Measured From KB 8' AGL
Drilling Measured From KB

Elevation
K.B. 1883'
D.F. 1882'
G.L. 1875'

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Well Patterson No.3
Field Gorham
County Russell
State Kanas

| | |
|---|---|
| Date | 1-2-14 |
| Run Number | One |
| Depth Driller | 3370' |
| Depth Logger | 3345' |
| Bottom Logged Interval | 3344' |
| Top Log Interval | 2050' |
| Open Hole Size | 7 7/8" |
| Type Fluid | Water |
| Density / Viscosity | //// |
| Max. Recorded Temp. | //// |
| Estimated Cement Top | //// |
| Time Well Ready | R.O.A |
| Time Logger on Bottom | 2:00 P.M |
| Equipment Number | T-010 |
| Location | Hays, KS |
| Recorded By | Casey Patterson |
| Witnessed By | Mr. Tim Bilbrey |

| Borehole Record | | | | Tubing Record | | | |
|---|---|---|---|---|---|---|---|
| Run Number | Bit | From | To | Size | Weight | From | To |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 8 5/8" | 24# | 0 | 473' |
| Prot. String | 5 1/2" | 14# | 0 | 3371' |
| Production String | | | | |
| Liner | | | | |

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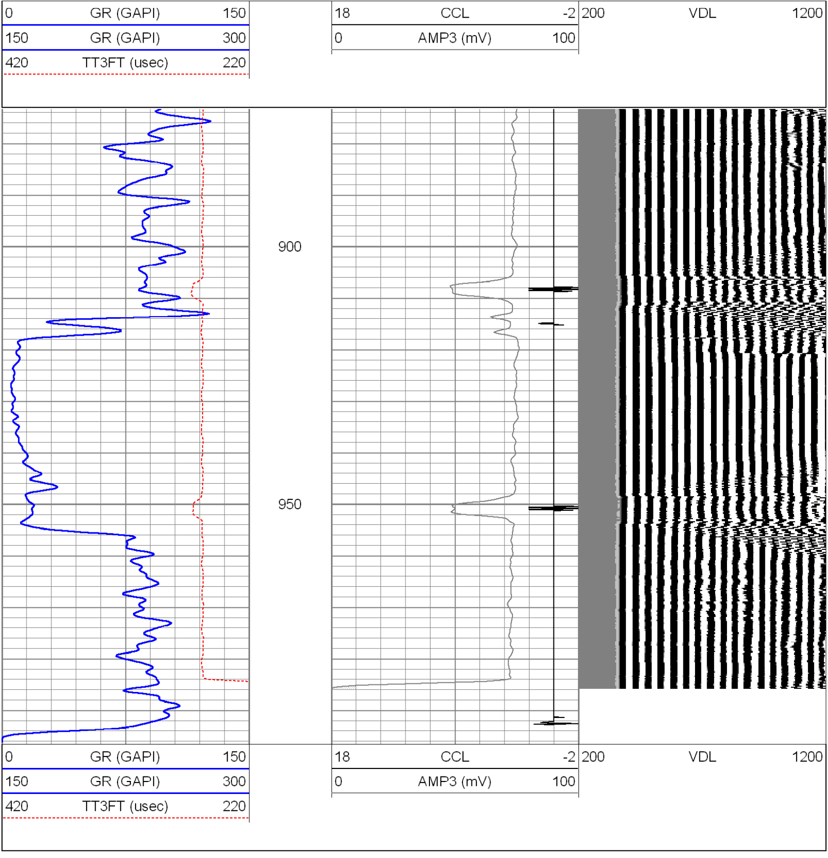
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

old 40 to 180th location on southside rd.

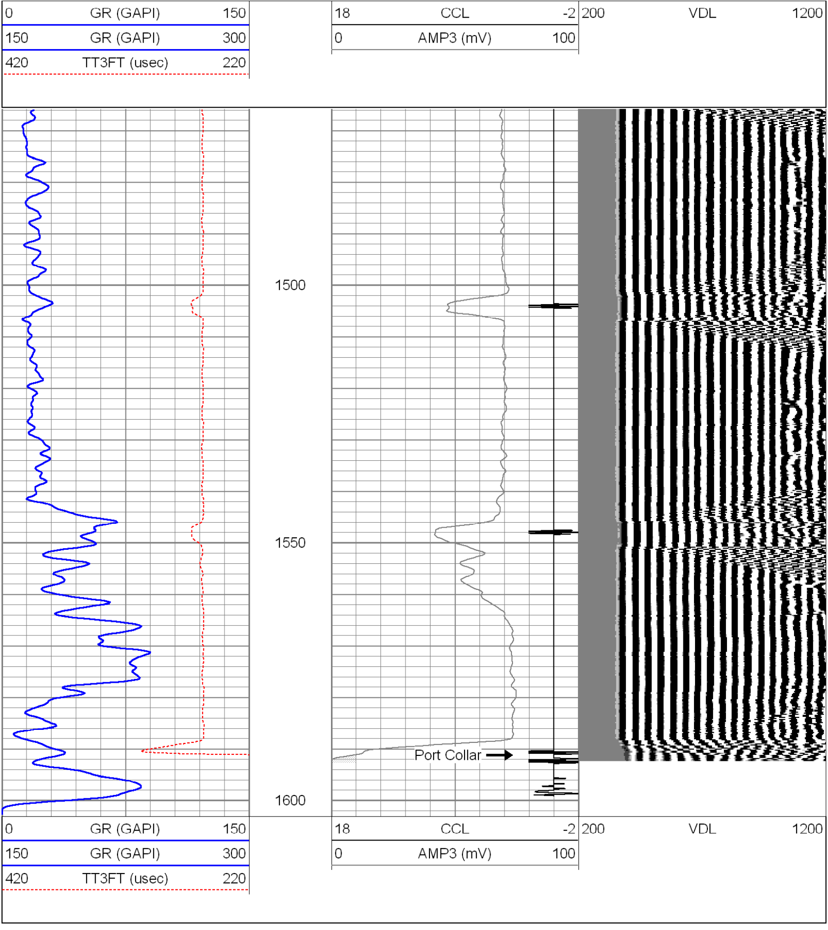
## Main Pass

Database File: jopattersonno.db
Dataset Pathname: pass5
Presentation Format: cbl
Dataset Creation: Thu Jan 02 15:10:12 2014 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



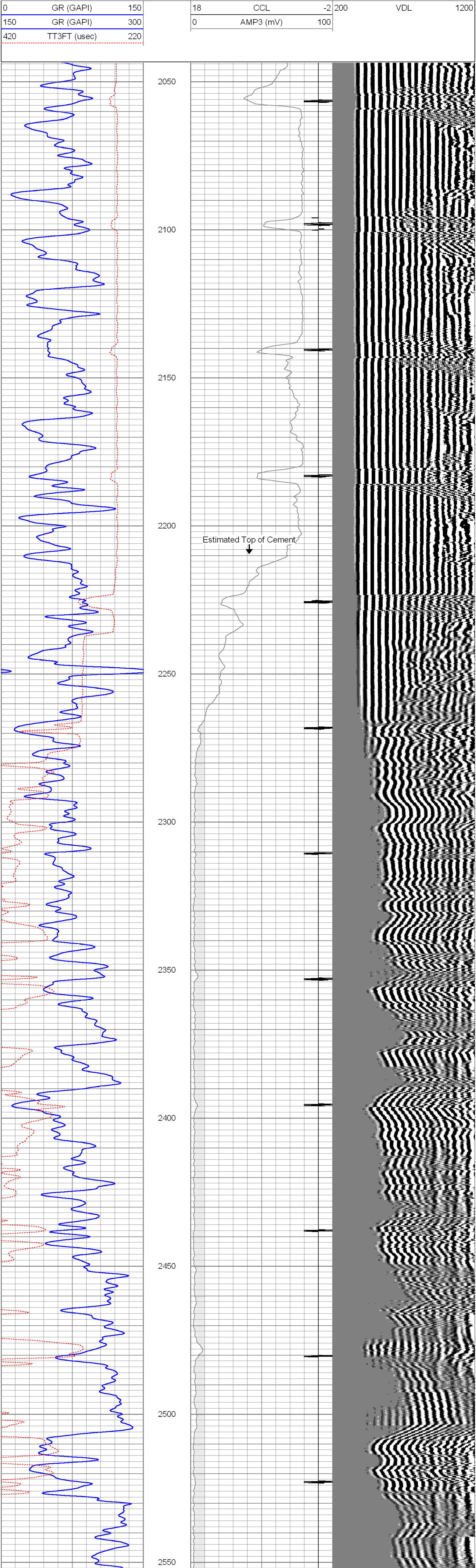
## Port Collar

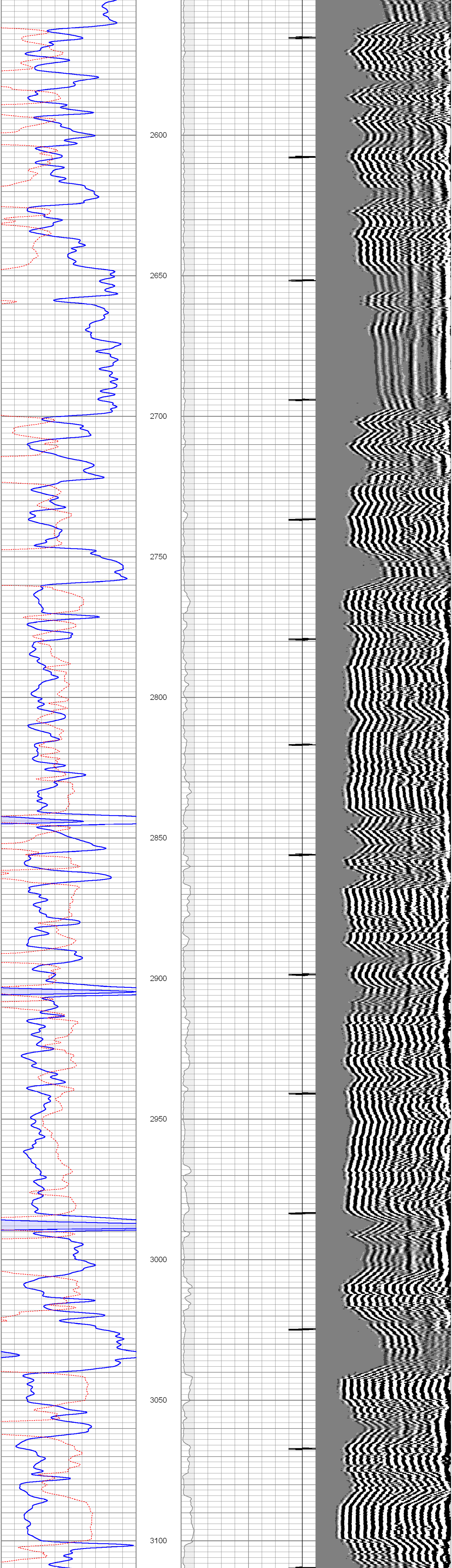
Database File: jopattersonno.db
Dataset Pathname: pass4
Presentation Format: cbl
Dataset Creation: Thu Jan 02 15:06:25 2014 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

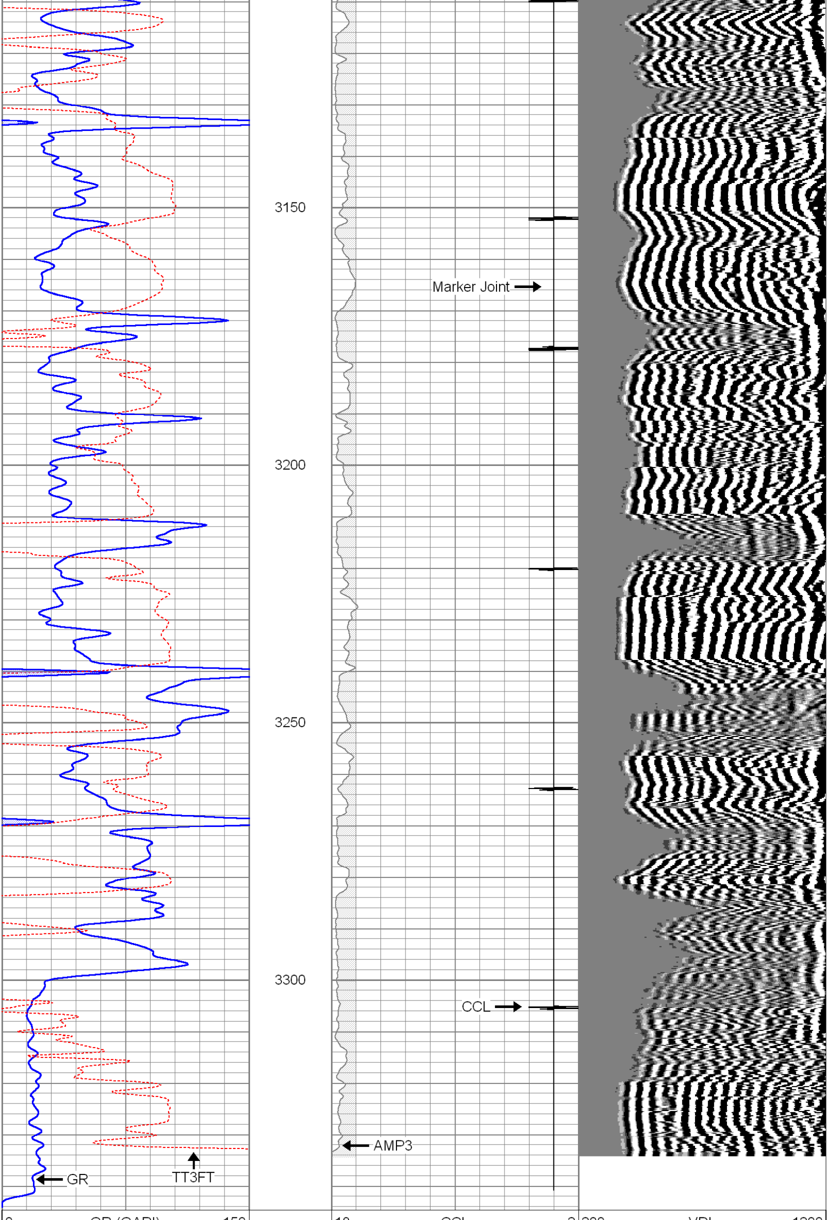


# Main Section

| | |
|---|---|
| Database File: | jopattersonno.db |
| Dataset Pathname: | pass3 |
| Presentation Format: | cbl |
| Dataset Creation: | Thu Jan 02 14:28:46 2014 by Log Std Casedhole 10071 |
| Charted by: | Depth in Feet scaled 1:240 |







| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | GR (GAPI) | 150 | 18 | CCL | -2 | 200 | VDL | 1200 |
| 150 | GR (GAPI) | 300 | 0 | AMP3 (mV) | 100 | | | |
| 420 | TT3FT (usec) | 220 | | | | | | |

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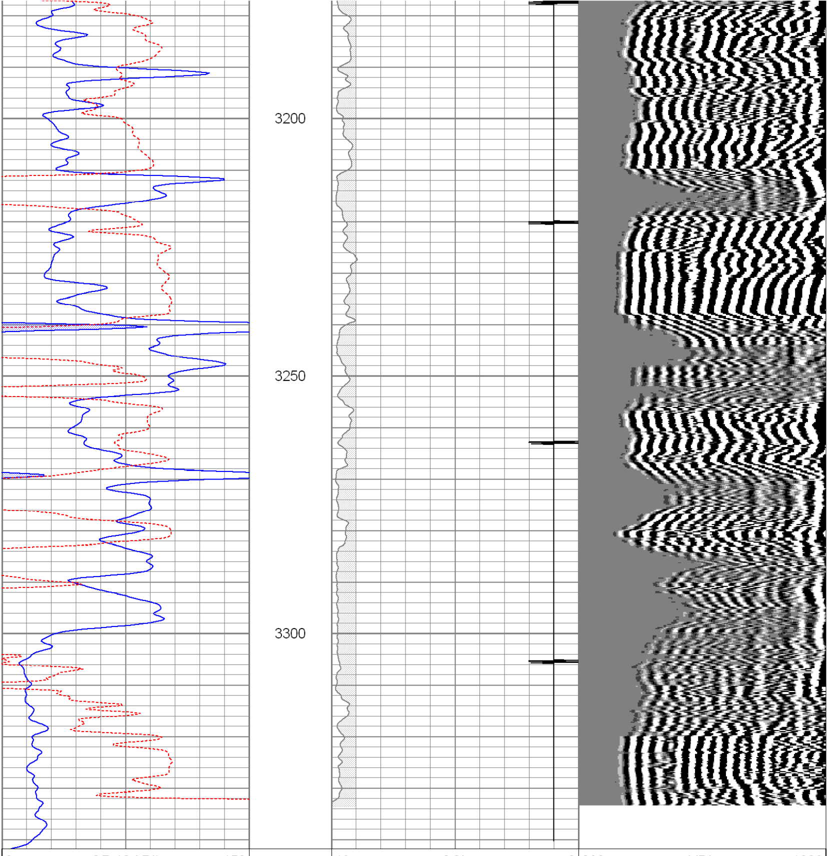
GEMINI WIRELINE

# Repeat Section

Database File: jopattersonno.db
Dataset Pathname: pass2
Presentation Format: cbl
Dataset Creation: Thu Jan 02 14:21:12 2014 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | GR (GAPI) | 150 | 18 | CCL | -2 | 200 | VDL | 1200 |
| 150 | GR (GAPI) | 300 | 0 | AMP3 (mV) | 100 | | | |
| 420 | TT3FT (usec) | 220 | | | | | | |



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0 | GR (GAPI) | 150 | 18 | CCL | -2 | 200 | VDL | 1200 |
| 150 | GR (GAPI) | 300 | 0 | AMP3 (mV) | 100 | | | |
| 420 | TT3FT (usec) | 220 | | | | | | |

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## Calibration Report

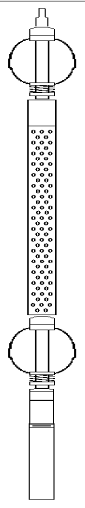
Database File: jopattersonno.db
Dataset Pathname: pass5
Dataset Creation: Thu Jan 02 15:10:12 2014 by Log Std Casedhole 10071

### Gamma Ray Calibration Report

| | | |
|---|---|---|
| Serial Number: | 080224 | |
| Tool Model: | Probe1 | |
| Performed: | Thu May 16 07:41:41 2013 | |
| Calibrator Value: | 200.0 | GAPI |
| Background Reading: | 15.0 | cps |
| Calibrator Reading: | 222.7 | cps |
| Sensitivity: | 0.9629 | GAPI/cps |

### Cement Bond Log Calibration Report

| | | | |
|---|---|---|---|
| Serial Number: | 061007 | | |
| Tool Model: | DigitalCBL | | |
| Performed: | Thu Jan 02 14:14:30 2014 | | |
| Depth: | 1741.64 | ft | |
| Casing Diameter: | 5.5 | in | |
| | 3' Spacing | 5' Spacing | |
| Signal Zero: | 1 | 0 | mV |
| Calibrated Amplitude: | 71.921 | 71.921 | mV |
| Reading at Signal Zero: | 0.0152344 | 0.0152588 | V |
| Reading in Free Pipe: | 0.936621 | 0.910376 | V |
| Gain: | 76.972 | 80.3481 | |
| Offset: | -0.172621 | -1.22602 | |

| Sensor | Offset (ft) | Schematic | Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|---|---|---|
| | |  | sdschd | 0.75 | 1.44 | 3.00 |
| | | | 275<br>2 3/4" Centralizer | 2.94 | 2.75 | 10.00 |
| WVF3<br>WVF5 | 11.69<br>10.69 | | Probedig-DigitalCBL (061007)<br>2 3/4 Bond Tool | 8.77 | 2.75 | 92.00 |
| | | | 275<br>2 3/4" Centralizer | 2.94 | 2.75 | 10.00 |
| CCL | 3.67 | | CCL-Probe (080224) | 1.42 | 2.75 | 20.00 |
| GR | 2.30 | | GR-Probe1 (080224) | 3.08 | 2.75 | 40.00 |

Dataset: jopattersonno.db: field/well/run1/pass5
Total Length: 19.89 ft
Total Weight: 175.00 lb
O.D. 2.75 in