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Pioneer Energy Services

# RADIAL SECTOR BOND LOG WITH GAMMA RAY

Company KERR MCGEE OIL & GAS
Well SARCHET JOHN E UNIT #1
Field WATTENBERG
County WELD
State COLORADO

Company **KERR MCGEE OIL & GAS**
Well **SARCHET JOHN E UNIT #1**
Field **WATTENBERG**
County **WELD** State **COLORADO**

Location: API # : 0512307389
LAT: 40.20600
LONG: -104.76950
SW SW
SEC 22 TWP 3N RGE 66W

Other Services

| | | | |
|---|---|---|---|
| Permanent Datum | GL | Elevation | 4922 |
| Log Measured From | KB | | |
| Drilling Measured From | KB | | |

| Elevation | |
|---|---|
| K.B. | 4931 |
| D.F. | 4930 |
| G.L. | 4922 |

| | | | |
|---|---|---|---|
| Date of Service | 08-AUG-2014 | | |
| Run Number | ONE | | |
| Depth Driller or PBTD | 7940 | | |
| Depth Logger | 1520 | | |
| Bottom Log Interval | 1520 | | |
| Top Log Interval | SURFACE | | |
| Open Hole Size | 8-5/8" | | |
| Type Fluid | WATER | | |
| Fluid Level | 50' | | |
| Fluid Density | 8.33 PPG | | |
| Max. Recorded Temperature | N/A | | |
| Max. Wellhead Pressure | 0 | | |
| Wellhead Connection | 5K BOP'S | | |
| Estimated Cement Top | SURFACE | | |
| Unit Number | P-75 | | |
| Wireline Size | 9/32" | | |
| Location | FORT MORGAN | | |
| Recorded By | LEROY HOBBS | | |
| Witnessed By | DANIAL OLMEDA | | |

| | Size | Wt/Ft | Top | Bottom |
|---|---|---|---|---|
| Tubing Record | | | | |
| Surface Casing | 8-5/8" | #23.00 | SURFACE | 571 |
| Production Casing | 4-1/2" | #11.6 | SURFACE | 7450 |
| Liner Record | | | | |
| | | | | |

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

THANK YOU FOR USING PIONEER Energy SERVICES

Your Pioneer Energy Services Crew

Engineer: HOBBS
Operator: SPILLMAN
Operator: SALCIDO
Operator:

Tool Data - Services

Serial Number

# KERR-MCGEE OIL & GAS

## LOGGED UNDER "0" PSI

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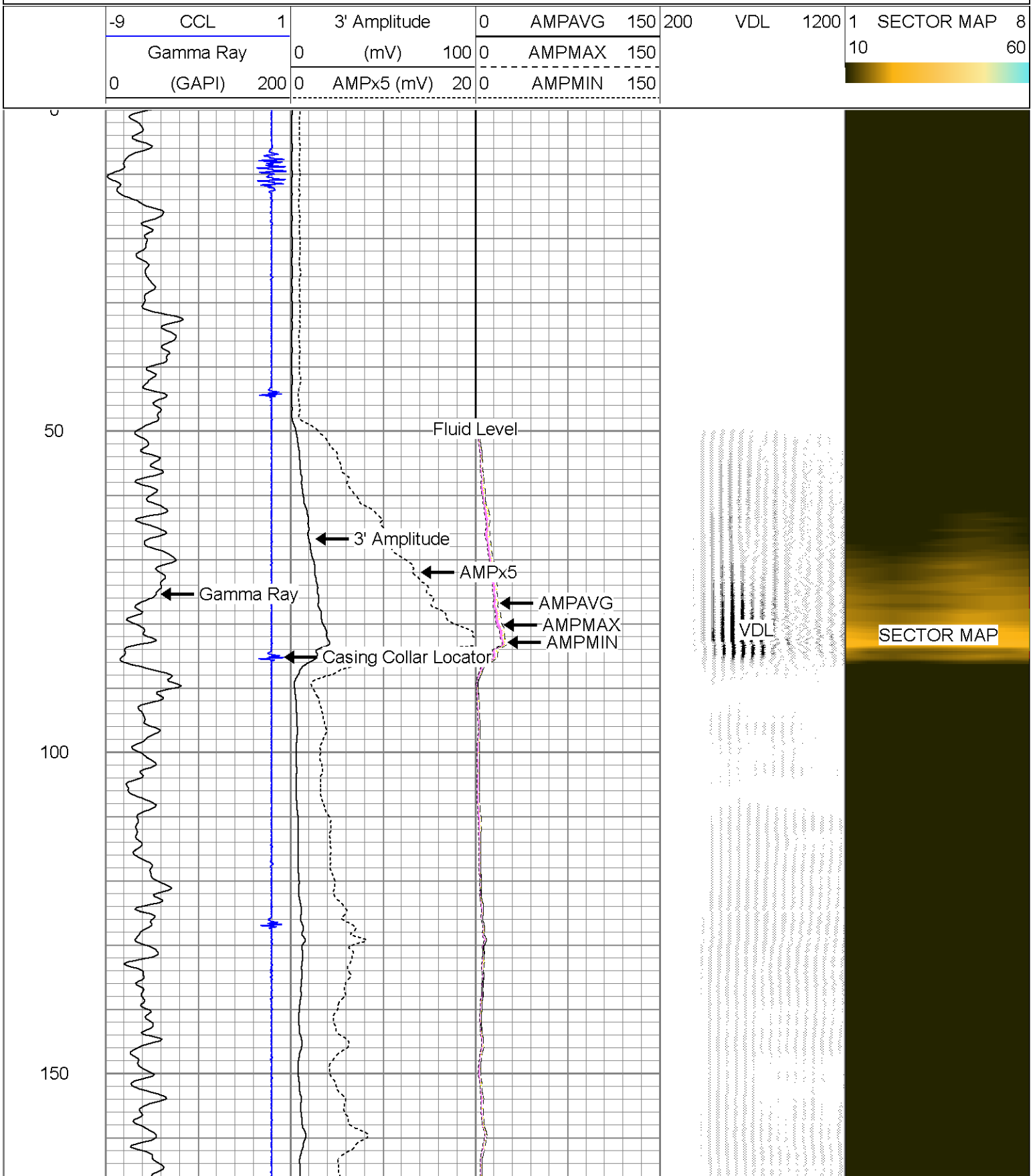
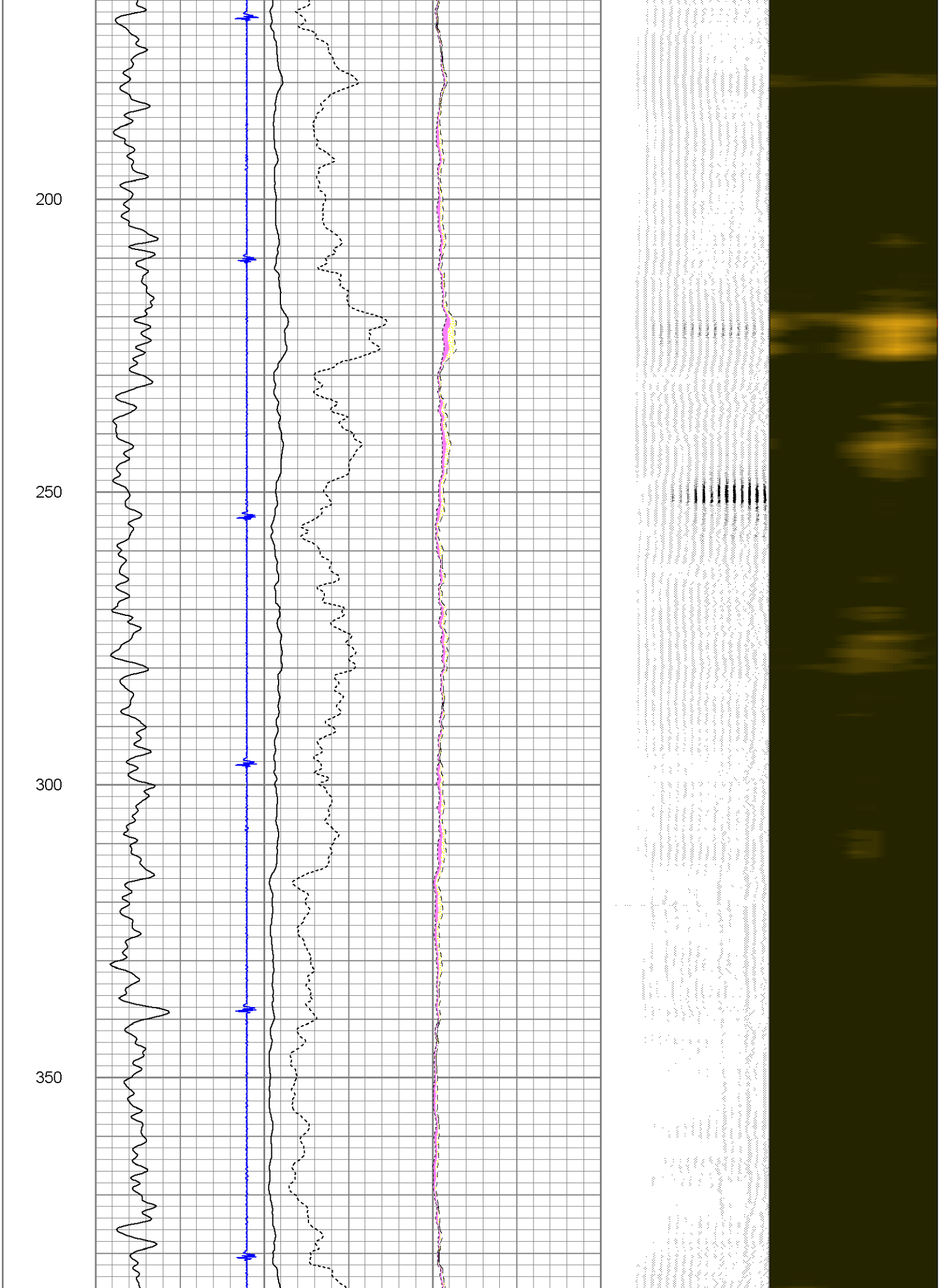
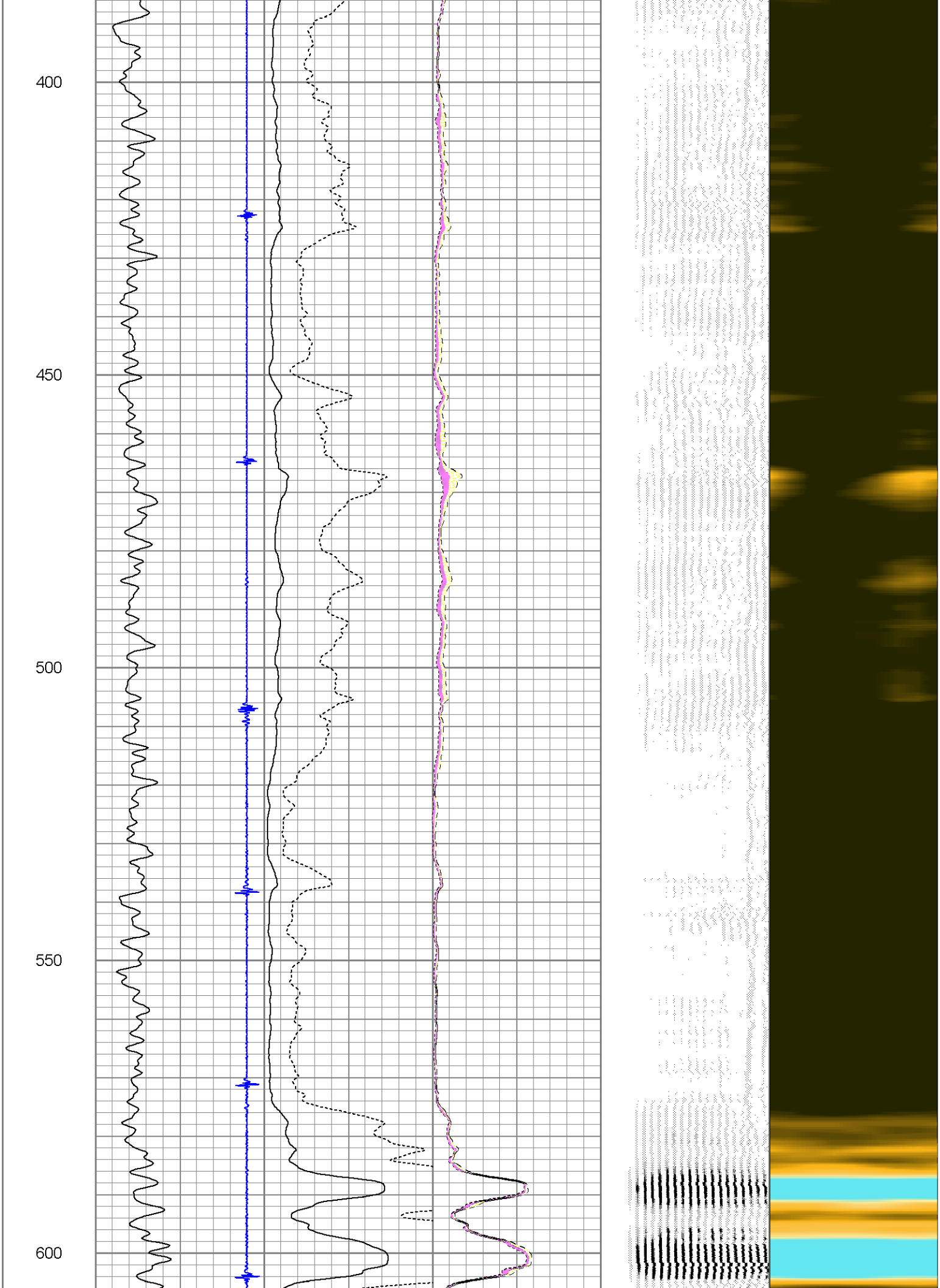
| | |
|---|---|
| Database File: | sarchet_john_e_unit_1_0512307389.db |
| Dataset Pathname: | pass1 |
| Presentation Format: | scbl02 |
| Dataset Creation: | Fri Aug 08 09:53:14 2014 by Log 7.0 B1 |
| Charted by: | Depth in Feet scaled 1:240 |




200
250
300
350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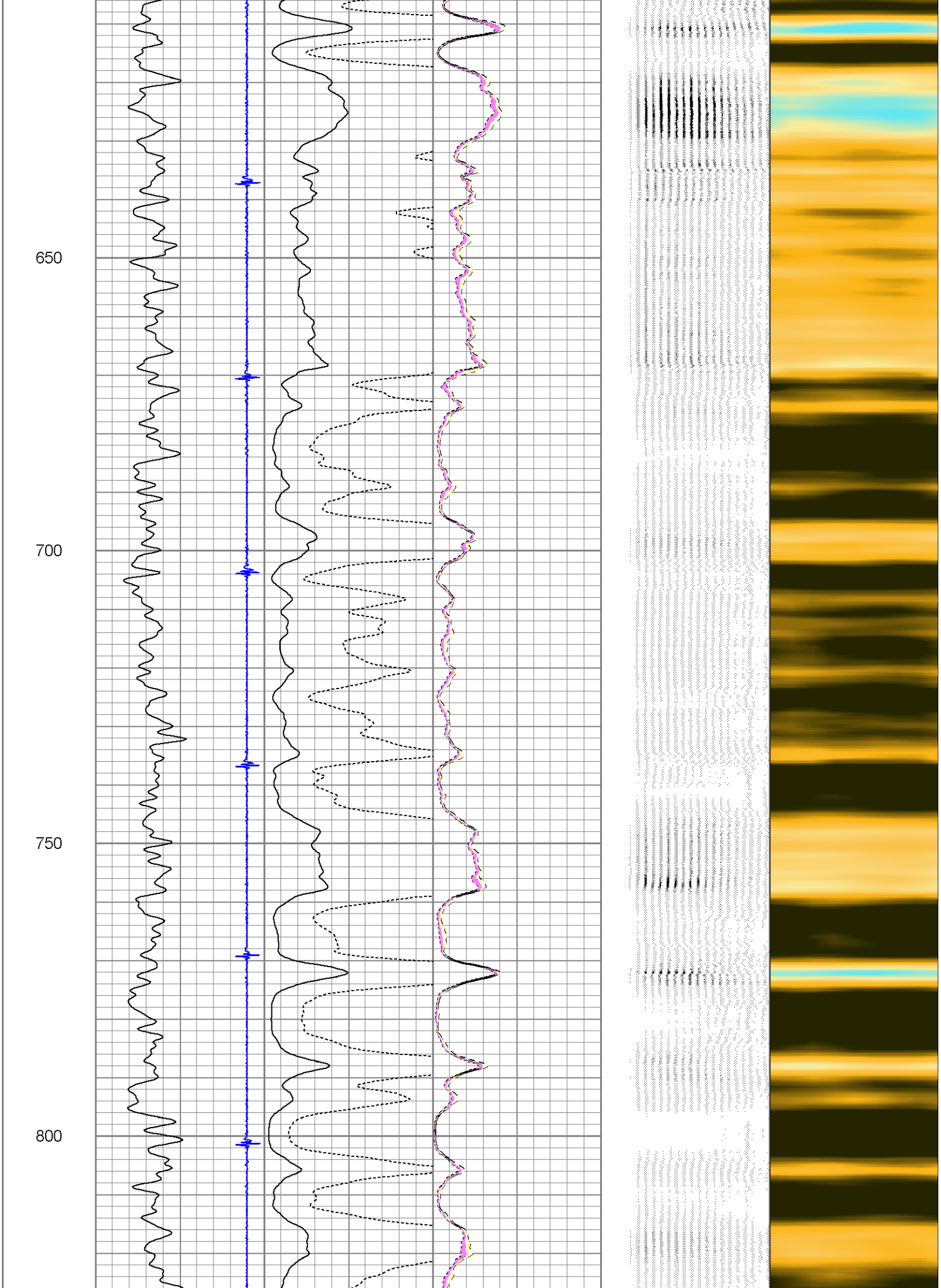
450
500
550
600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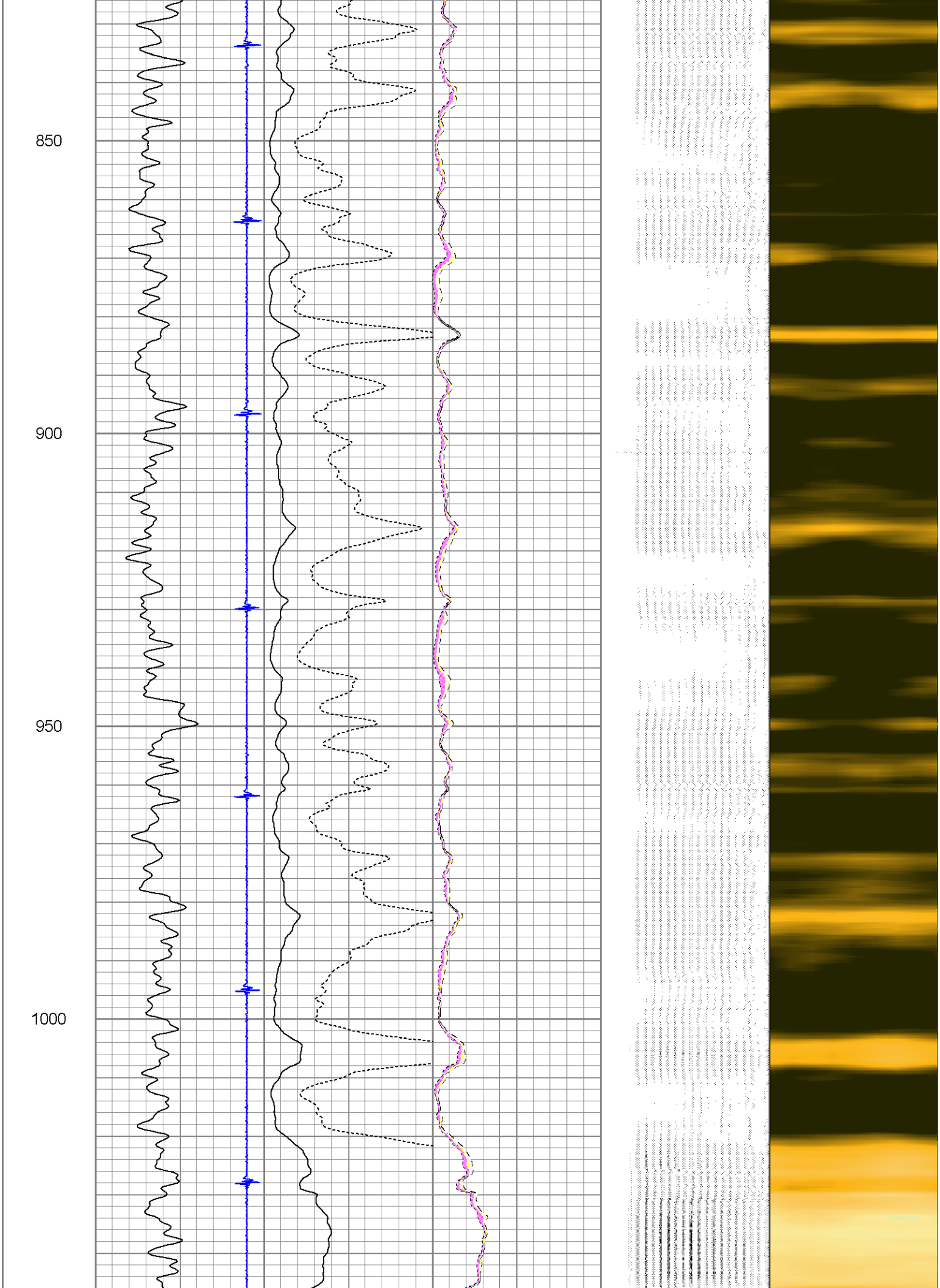
750
800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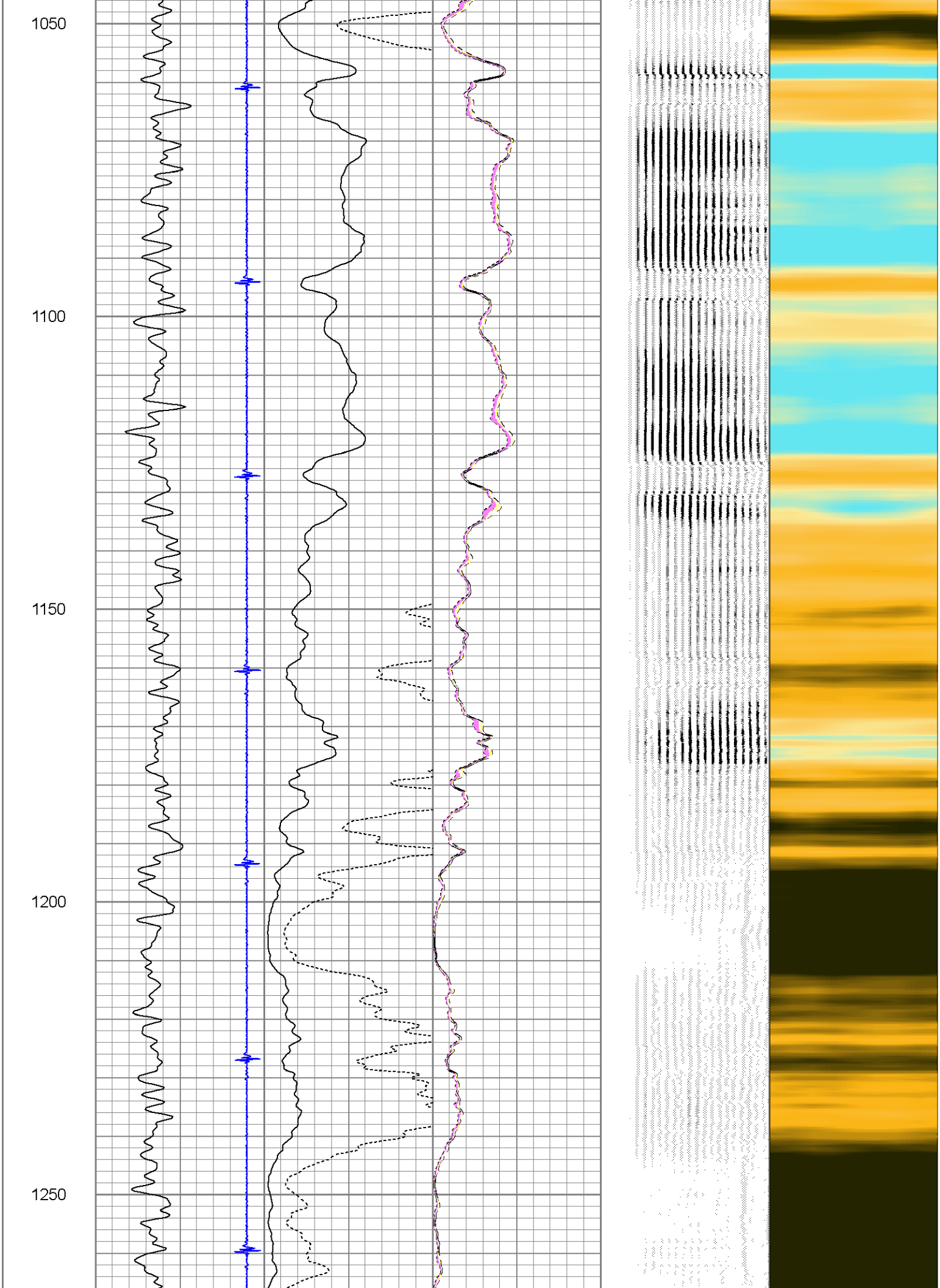
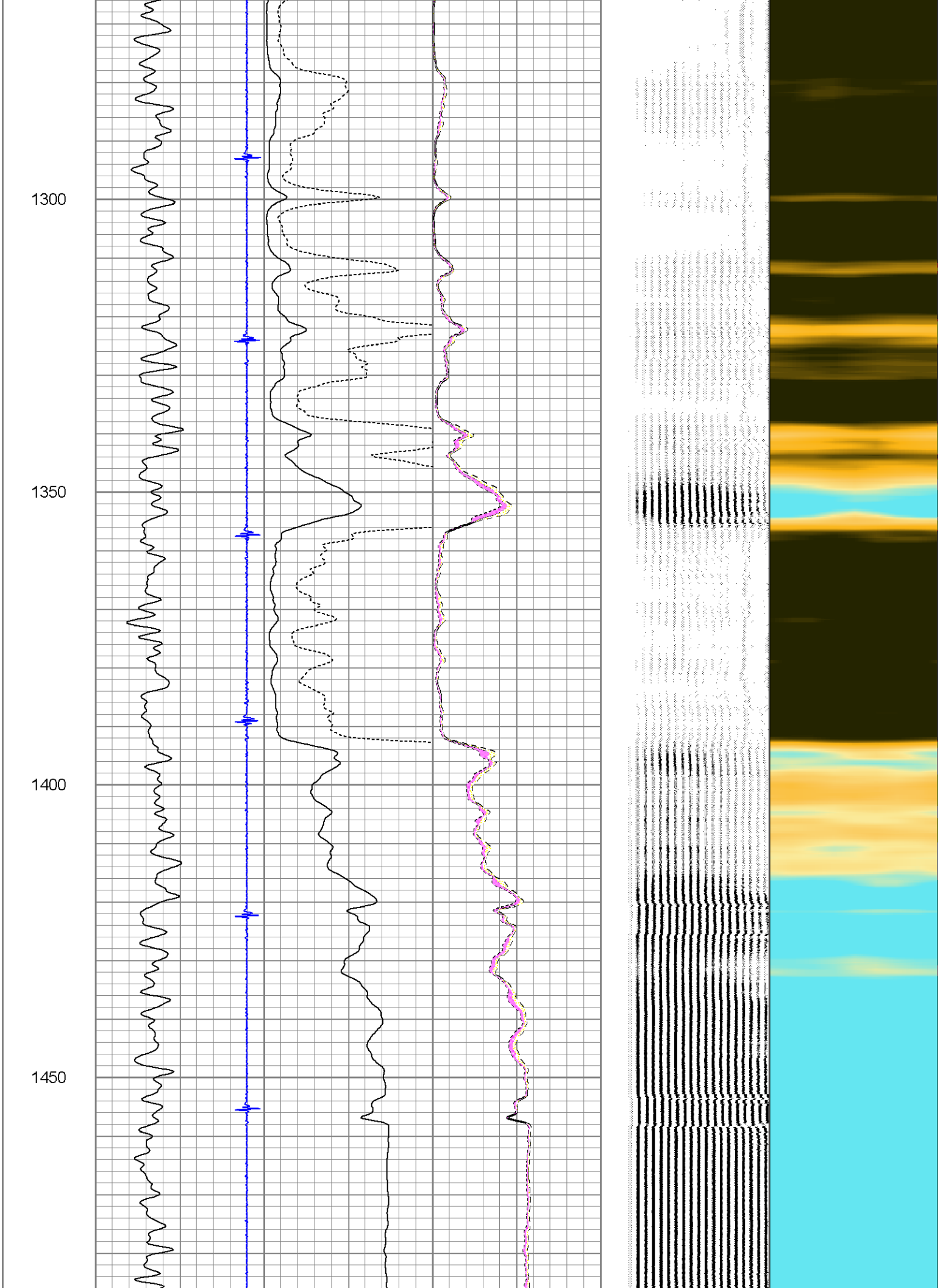
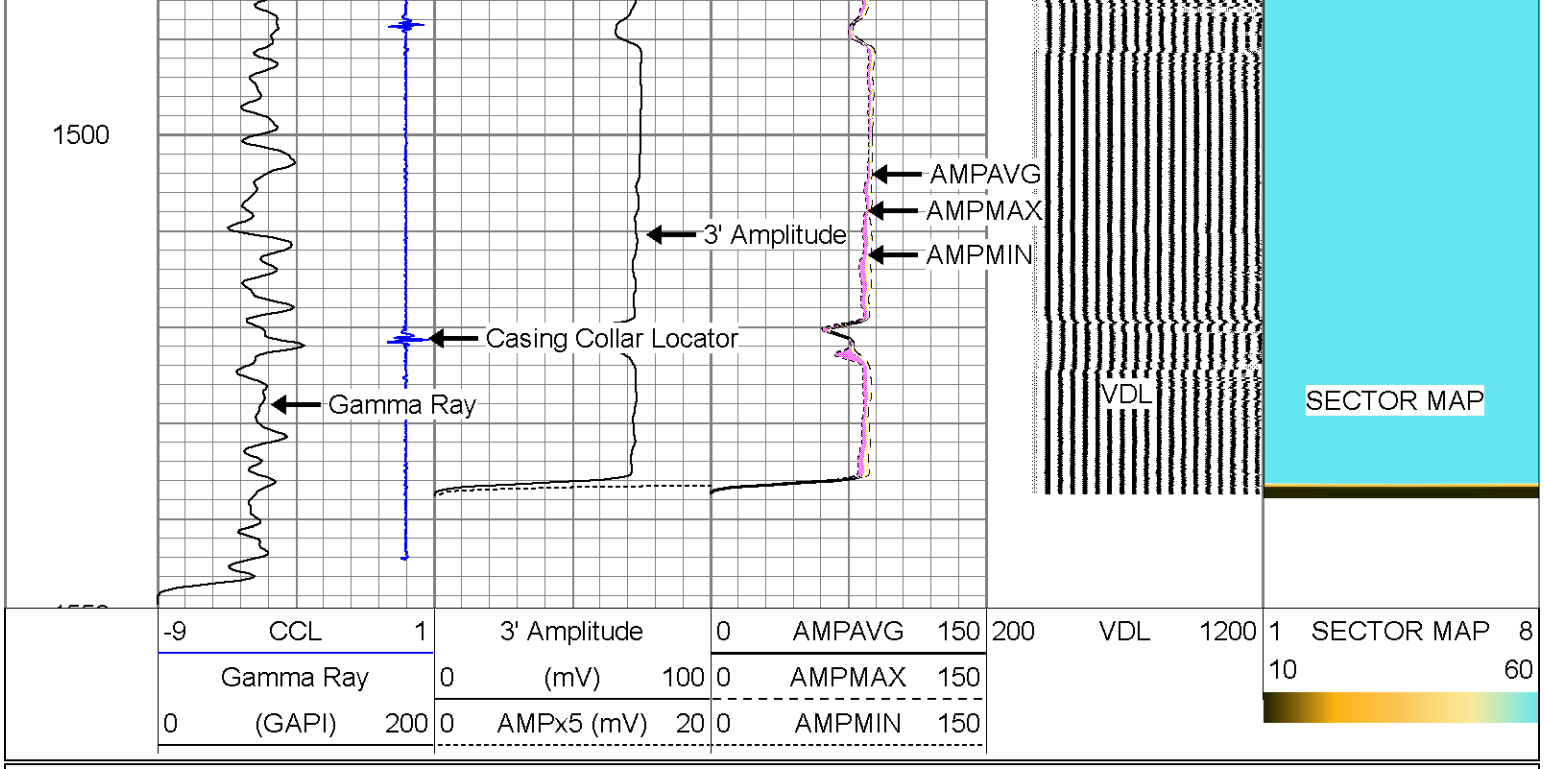
900
950
1000


1050
1100
1150
1200
1250


1300
1350
1400
1450

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# KERR-MCGEE OIL & GAS

## SARCHET JOHN E UNIT #1

Calibration Report

Database File: sarchet_john_e_unit_1_0512307389.db
Dataset Pathname: pass1
Dataset Creation: Fri Aug 08 09:53:14 2014 by Log 7.0 B1

### Temperature Calibration Report

Serial Number: 0001
Tool Model: 1.375TEMP
Performed: Mon Jun 23 08:05:16 2014

| | Reference | Reading |
|---|---|---|
| Low Reference: | 56.00 degF | 596.00 cps |
| High Reference: | 100.00 degF | 1200.00cps |

Gain: 0.07
Offset: 12.58
Delta Spacing 2

### Gamma Ray Calibration Report

Serial Number: 111211
Tool Model: Probe
Performed: Fri May 16 11:10:50 2014

| | | |
|---|---|---|
| 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: Base

| | | |
|---|---|---|
| Serial Number: | Base | |
| Tool Model: | Probe | |
| Calibration Casing Diameter: | 4.500 | in |
| Calibration Depth: | 1596.132 | ft |

Master Calibration, performed Fri Aug 08 09:42:52 2014:

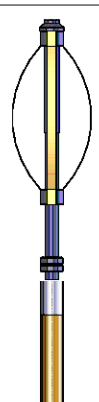
| | Raw (v) | | Calibrated (mv) | | Results | |
|---|---|---|---|---|---|---|
| | Zero | Cal | Zero | Cal | Gain | Offset |
| 3' | 0.013 | 1.740 | 1.000 | 81.196 | 46.449 | 0.377 |
| CAL | 0.013 | 0.519 | | | | |
| 5' | 0.013 | 1.760 | 1.000 | 81.196 | 45.920 | 0.390 |
| SUM | | | | | | |
| S1 | 0.014 | 1.687 | 0.000 | 95.000 | 56.766 | -0.774 |
| S2 | 0.013 | 1.705 | 0.000 | 95.000 | 56.156 | -0.746 |
| S3 | 0.013 | 1.692 | 0.000 | 95.000 | 56.604 | -0.760 |
| S4 | 0.013 | 1.706 | 0.000 | 95.000 | 56.109 | -0.749 |
| S5 | 0.013 | 1.733 | 0.000 | 95.000 | 55.233 | -0.721 |
| S6 | 0.014 | 1.735 | 0.000 | 95.000 | 55.185 | -0.748 |
| S7 | 0.013 | 1.748 | 0.000 | 95.000 | 54.764 | -0.720 |
| S8 | 0.014 | 1.684 | 0.000 | 95.000 | 56.887 | -0.782 |

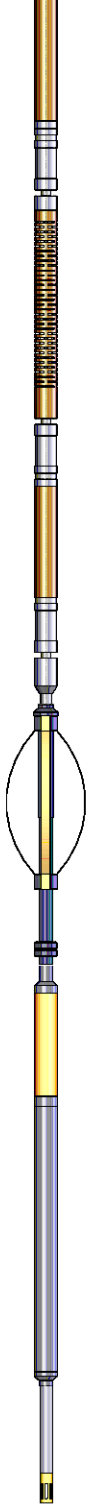
Internal Reference Calibration, performed Wed Aug 21 11:08:58 2013:

| | Raw (v) | | Calibrated (v) | | Results | |
|---|---|---|---|---|---|---|
| | Zero | Cal | Zero | Cal | Gain | Offset |
| CAL | 0.000 | 0.000 | 0.013 | 0.519 | 1.000 | 0.000 |

Air Zero Calibration, performed Mon Dec 09 06:54:41 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 |

| Sensor | Offset (ft) | Schematic | Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|---|---|---|
| | |  | PTS275 | 2.83 | 2.75 | |



| | | | | | |
|---|---|---|---|---|---|
| WVF3FT | 12.96 | RBT-Probe (Base)<br>Probe Radii Bond Tool with Digital Telemetry | 8.92 | 2.75 | 90.00 |
| WVFCAL | 12.96 | | | | |
| WVFS1 | 12.96 | | | | |
| WVFS2 | 12.96 | | | | |
| WVFS3 | 12.96 | | | | |
| WVFS4 | 12.96 | | | | |
| WVFS5 | 12.96 | | | | |
| WVFS6 | 12.96 | | | | |
| WVFS7 | 12.96 | | | | |
| WVFS8 | 12.96 | | | | |
| WVF5FT | 11.88 | | | | |
| | | PTS275 | 2.83 | 2.75 | |
| CCL | 4.88 | | | | |
| | | GR_CCL-Probe (111211)<br>Probe Gamma CCL | 4.54 | 2.75 | 100.00 |
| GR | 2.15 | | | | |
| | | TEMP-1.375TEMP (0001)<br>Temperature Tool | 1.25 | 1.38 | 30.00 |
| TEMP | 0.08 | | | | |

Dataset: sarchet_john_e_unit_1_0512307389.db: field/well/run1/pass1
Total Length: 20.38 ft
Total Weight: 220.00 lb
O.D. 2.75 in