**BASIN WELL LOGGING**
PERFORATING - WIRELINE SERVICES

## Cement Bond Log
## W/Gamma Ray, VDL
## & Casing Collars

| | |
|---|---|
| Company | Kinder Morgan CO2 Co. L.P. |
| Well | Goodman Point 27 |
| Field | Mc Elmo Dome |
| County | Montezuma |
| State | Colorado |

Company Kinder Morgan CO2 Co. L.P.
Well Goodman Point 27
Field Mc Elmo Dome
County Montezuma State Colorado

Location: API # : 05083067170000
935' FSL & 2105' FEL
SEC 18 TWP 36N RGE 17W

Other Services
Gyro

Permanent Datum Ground Level Elevation 7080
Log Measured From K.B. 22.5'
Drilling Measured From Kelly Bushing

Elevation
K.B. 7102.5
D.F. 7102.5
G.L. 7080

| | |
|---|---|
| Date | 9-29-14 |
| Run Number | One |
| Depth Driller | 8125' |
| Depth Logger | 8036 |
| Bottom Logged Interval | 8033 |
| Top Log Interval | Surface |
| Open Hole Size | 6" |
| Type Fluid | Water |
| Density / Viscosity | N/A |
| Max. Recorded Temp. | N/A |
| Estimated Cement Top | See Log |
| Time Well Ready | See Log |
| Time Logger on Bottom | See Log |
| Equipment Number | T-110 |
| Location | Farmington N.M. |
| Recorded By | Jason S. |
| Witnessed By | Kenny Kornegay |

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

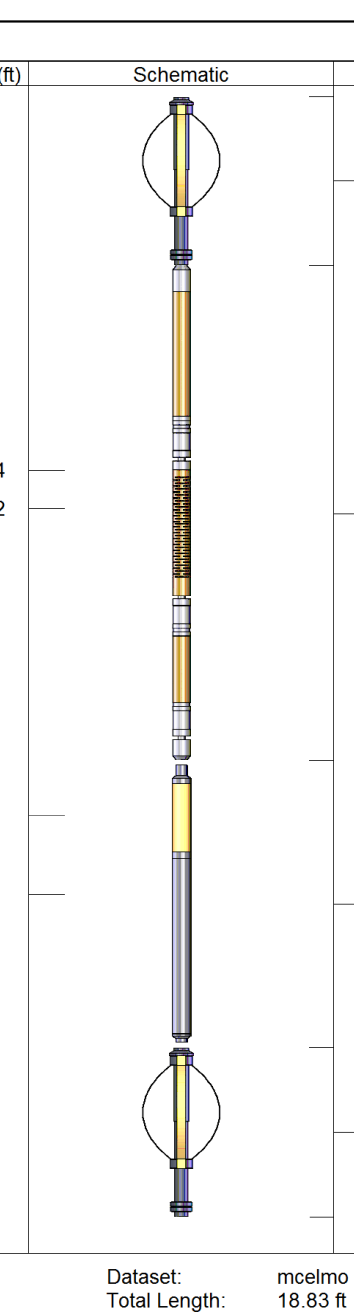
| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 9 5/8" | 36# / J-55 | Surface | 2930' |
| Prot. String | | | | |
| Production String | 7" | 29# / 32# 13 CR | Surface | 7457' |
| Liner | 4 1/2" | 12.75# / 13 CR | 7380' | 8047' |

<<< Fold Here >>>

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

Adjusted Log to Halliburtan Compensated Spectral Log
Dated 24-Aug-14.
-5'



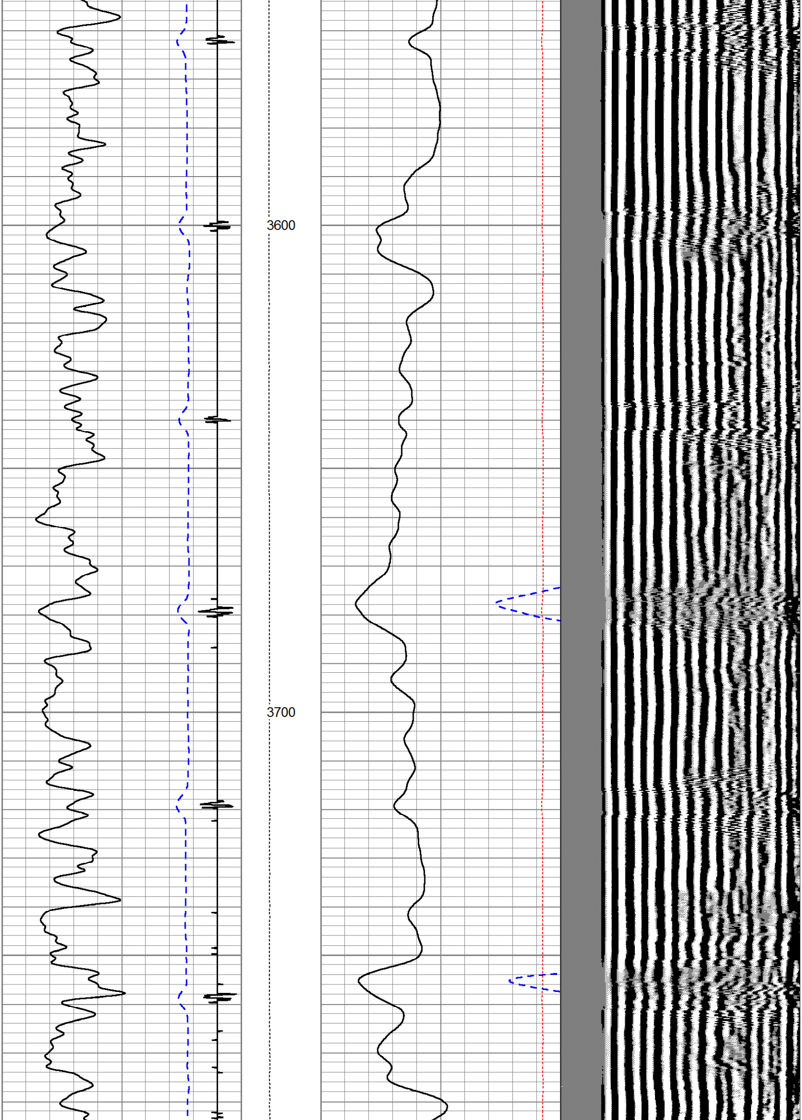
| Sensor | Offset (ft) | Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|---|---|
| | | PTS275 | 2.83 | 2.75 | |
| WVF3<br>WVF5 | 12.54<br>11.92 | CBL-SIE275 (234) | 8.33 | 2.75 | 60.00 |
| CCL<br>GR | 6.75<br>5.42 | GR-PTS275Inv (275INV) | 4.83 | 2.75 | |
| | | PTS275 | 2.83 | 2.75 | |

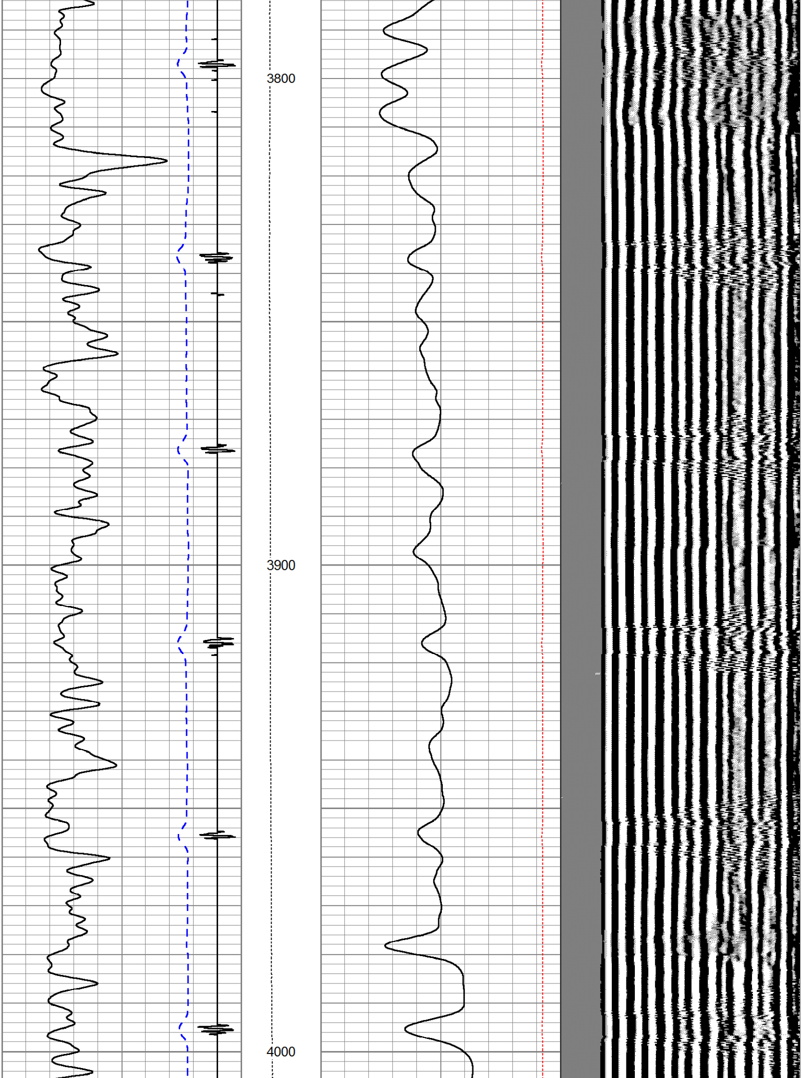
Dataset: mcelmo dome unit-gp-27.db: field/well/run1/pass5
Total Length: 18.83 ft
Total Weight: 60.00 lb
O.D. 2.75 in

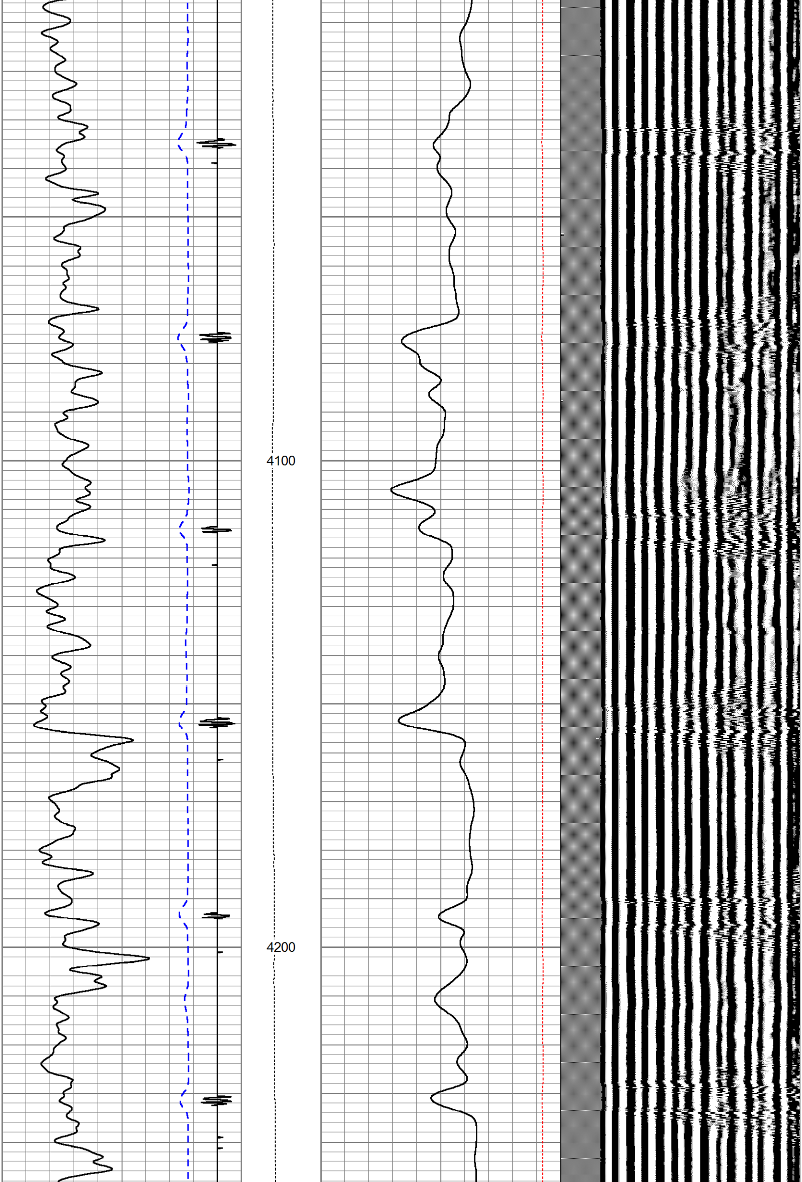
**BASIN WELL LOGGING**
PERFORATING - WIRELINE SERVICES

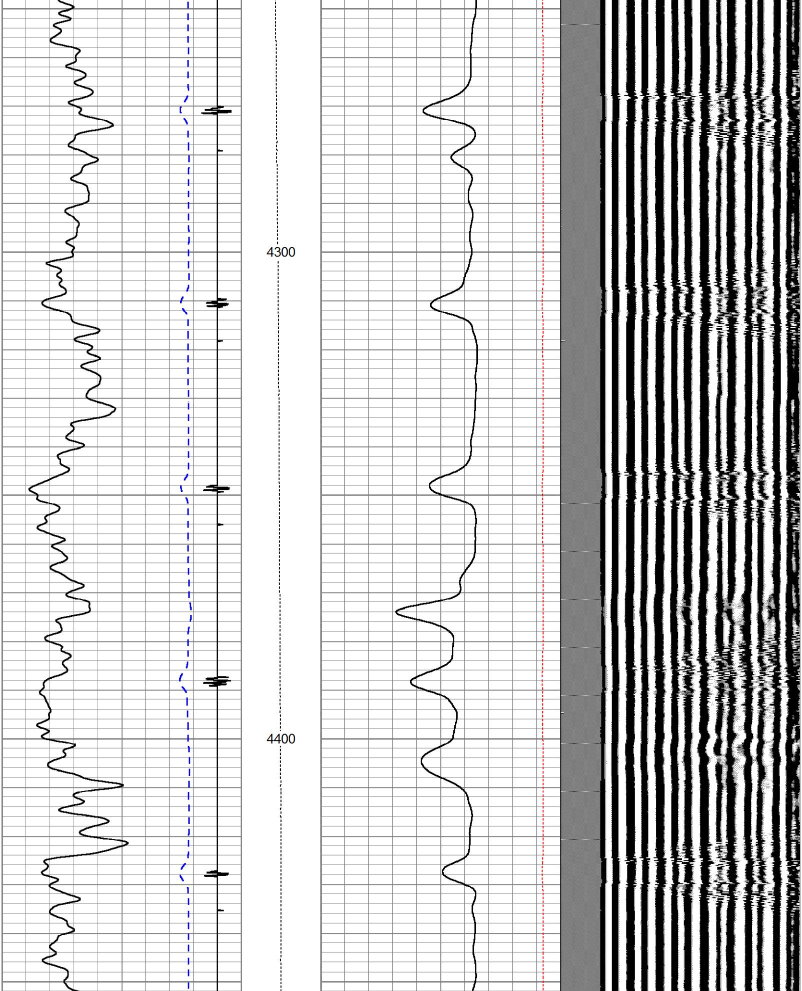
# Main Pass

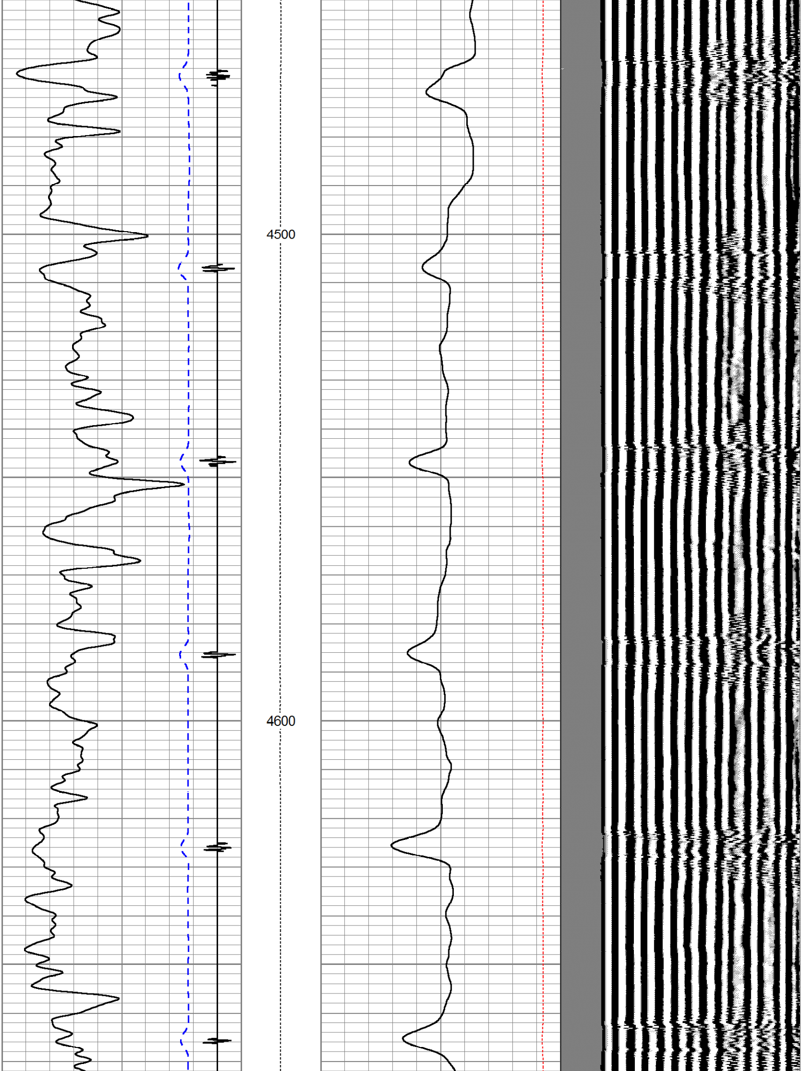
Database File: mcelmo dome unit-gp-27.db
Dataset Pathname: pass9.2
Presentation Format: cbl_dr
Dataset Creation: Mon Sep 29 12:27:59 2014
Charted by: Depth in Feet scaled 1:240

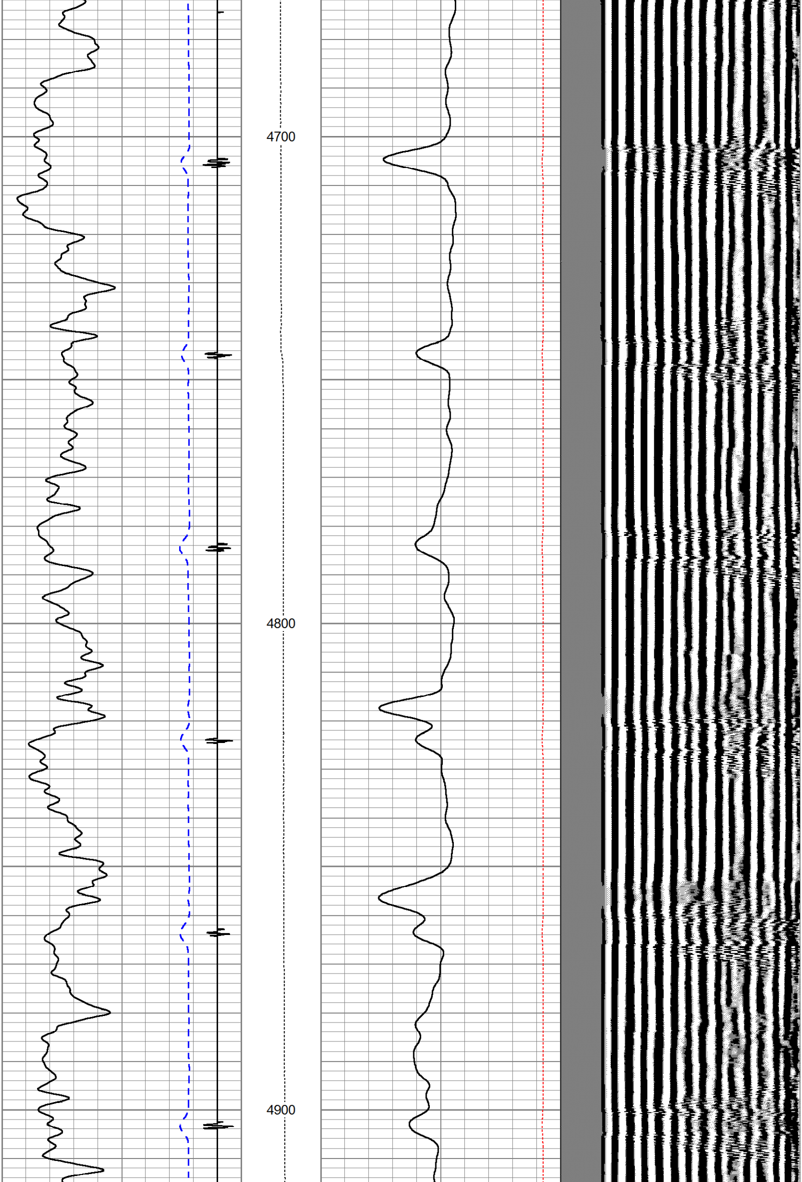

3600
3700

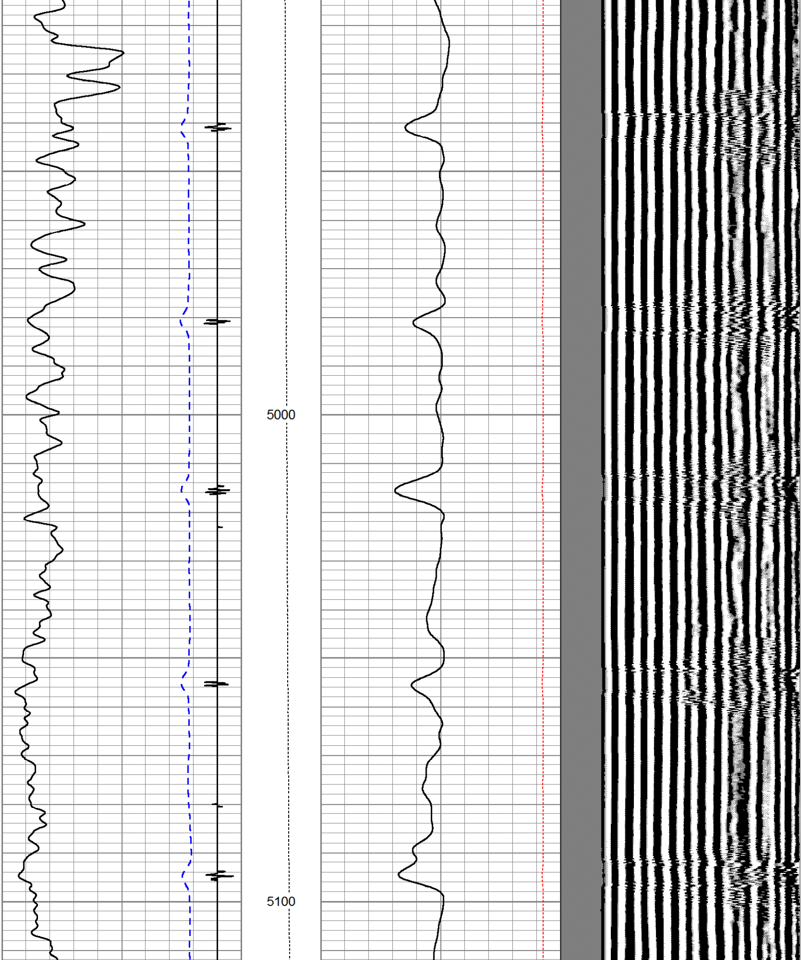

3800
3900
4000

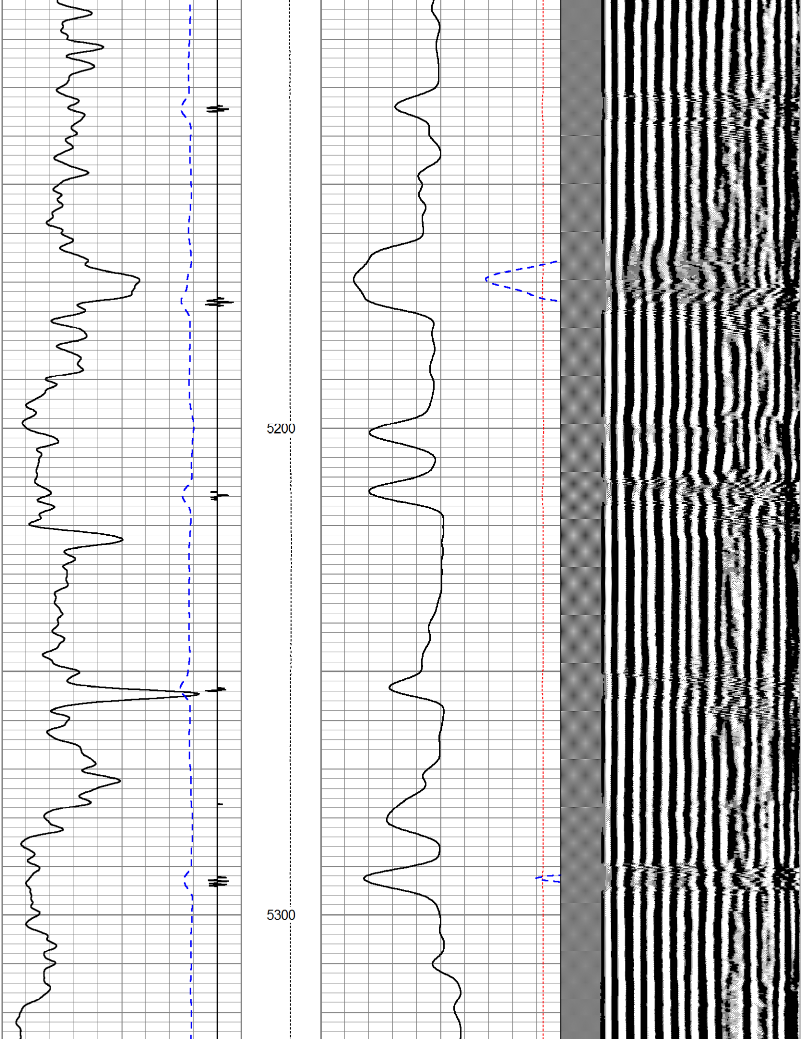

4100
4200

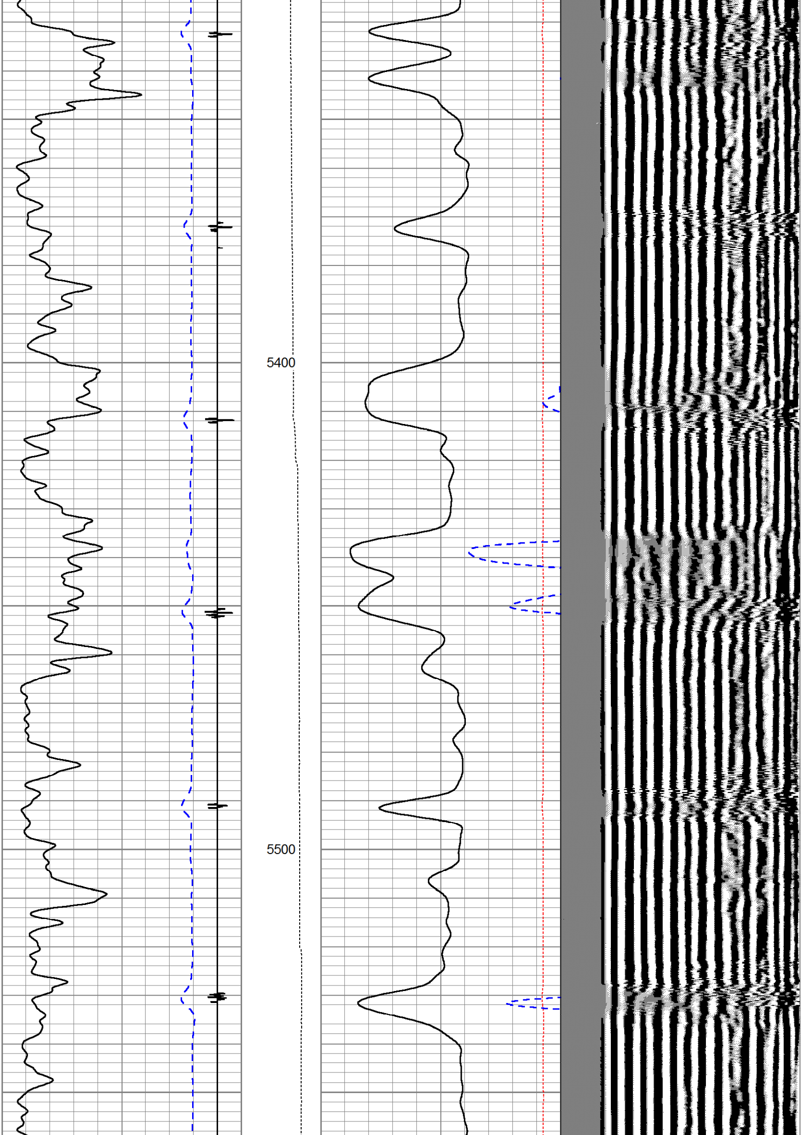

4300
4400

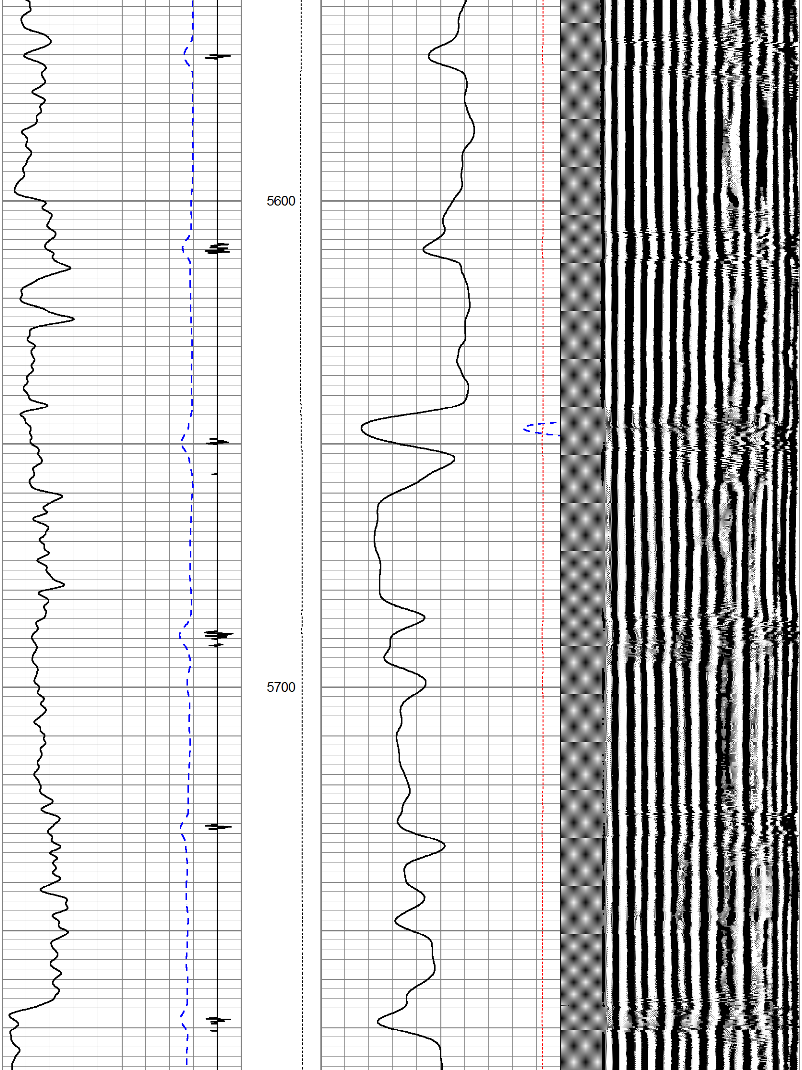

4500
4600

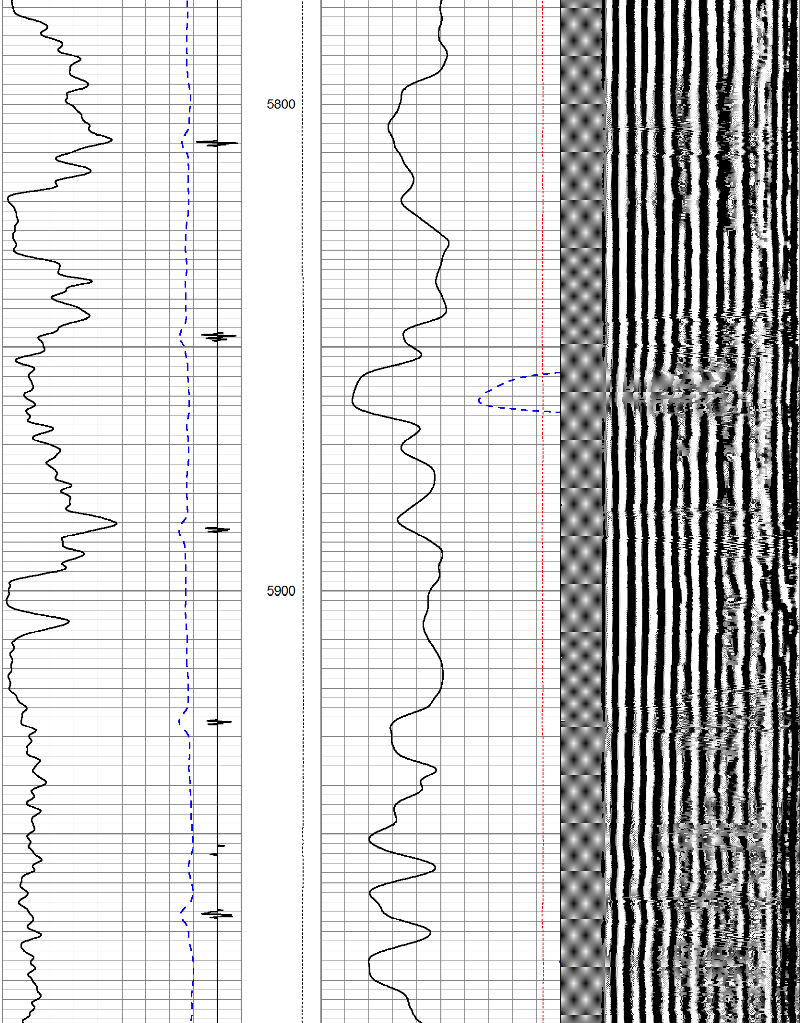

4700
4800
4900

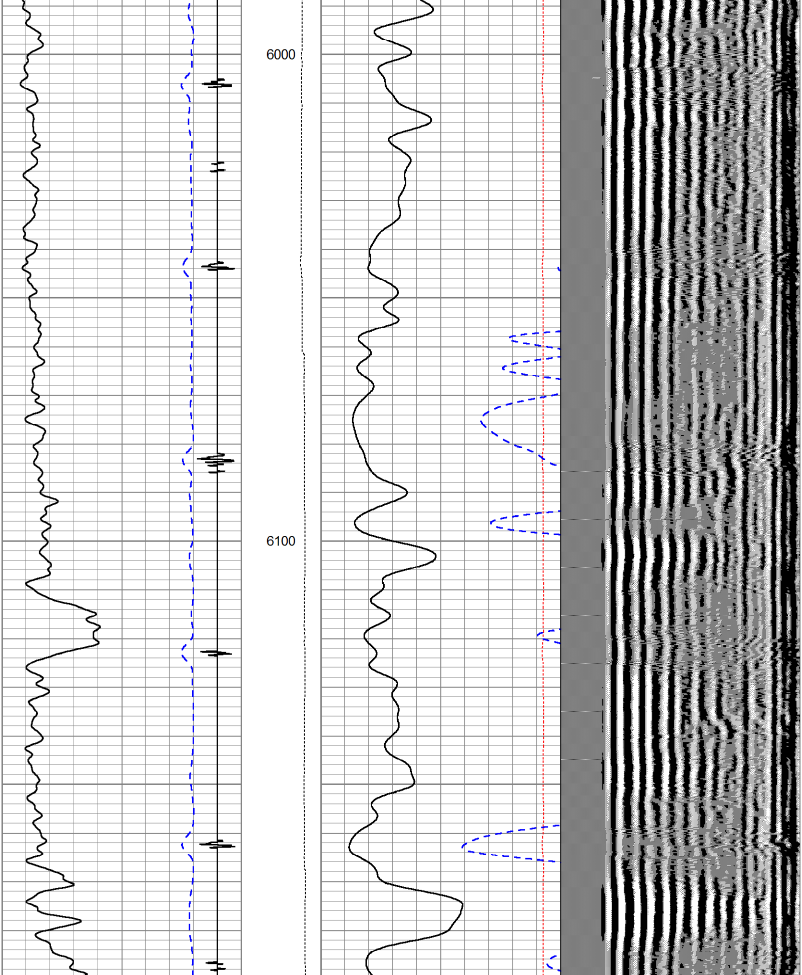

5000
5100

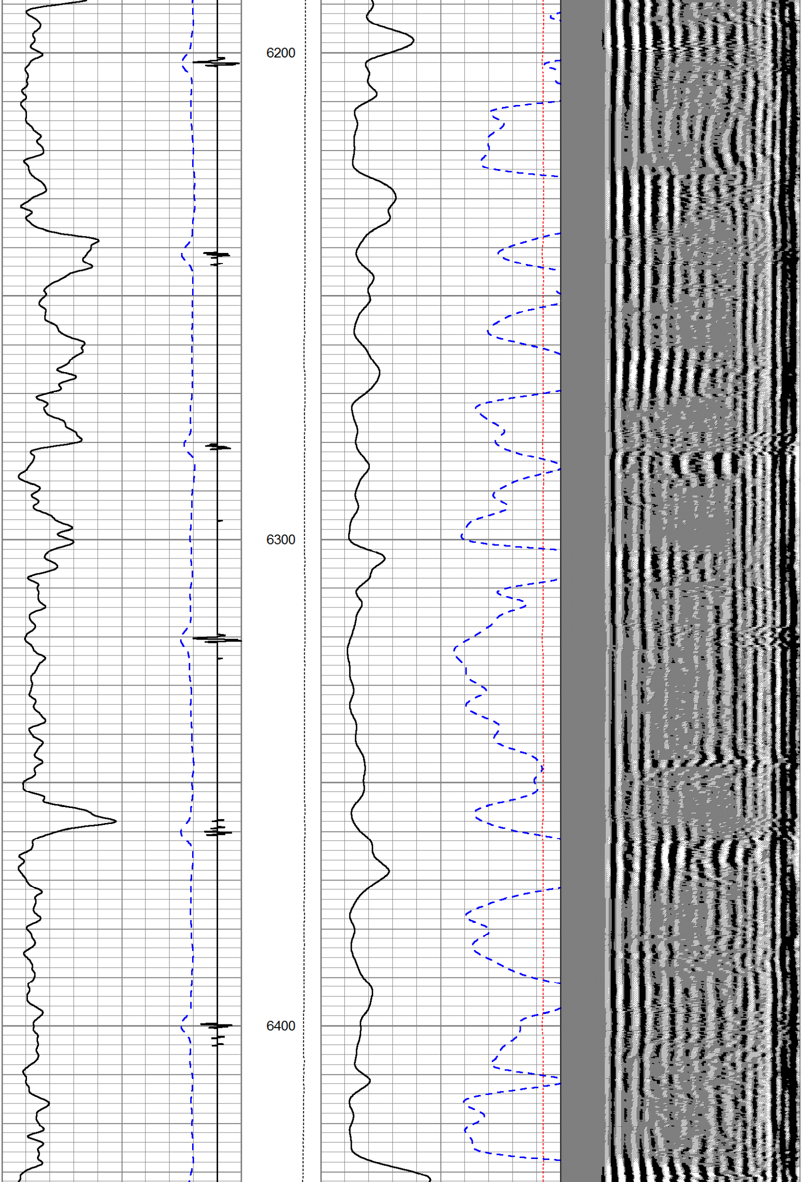

5200
5300

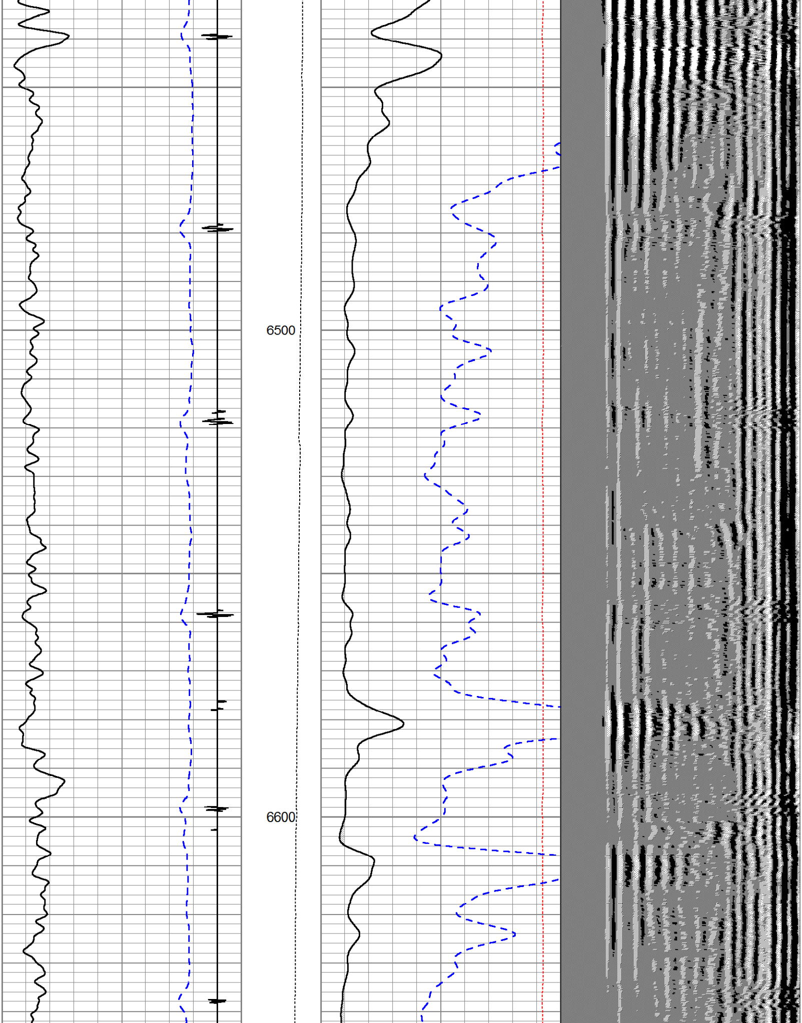

5400
5500

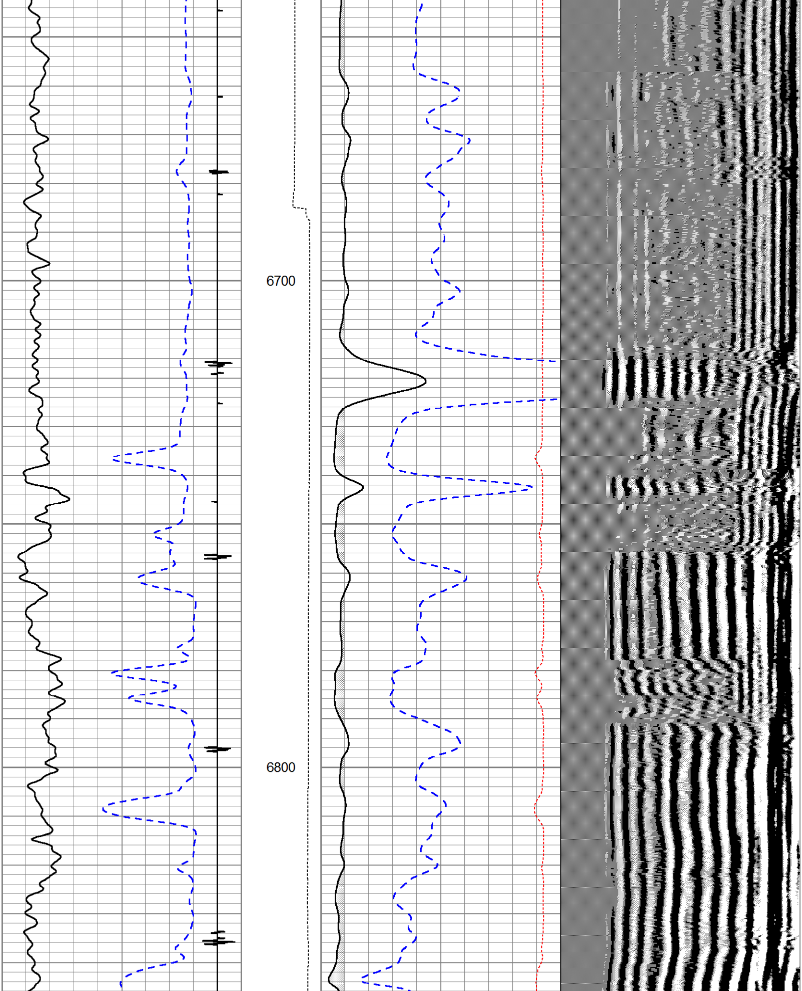

5600
5700

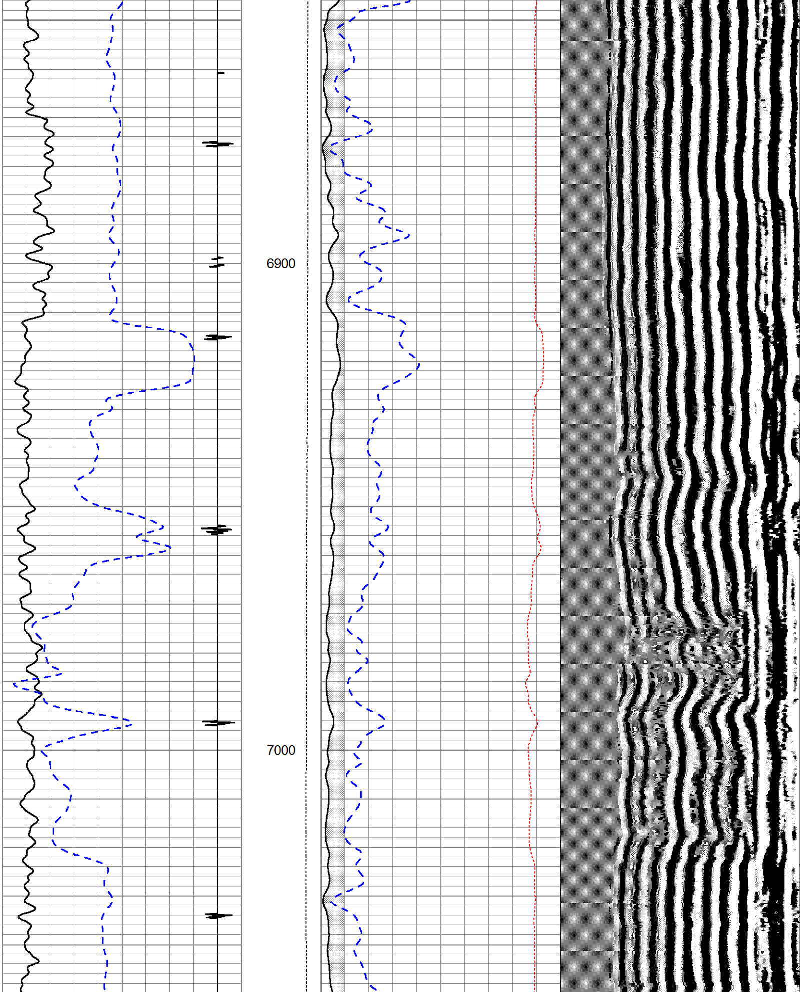

5800
5900

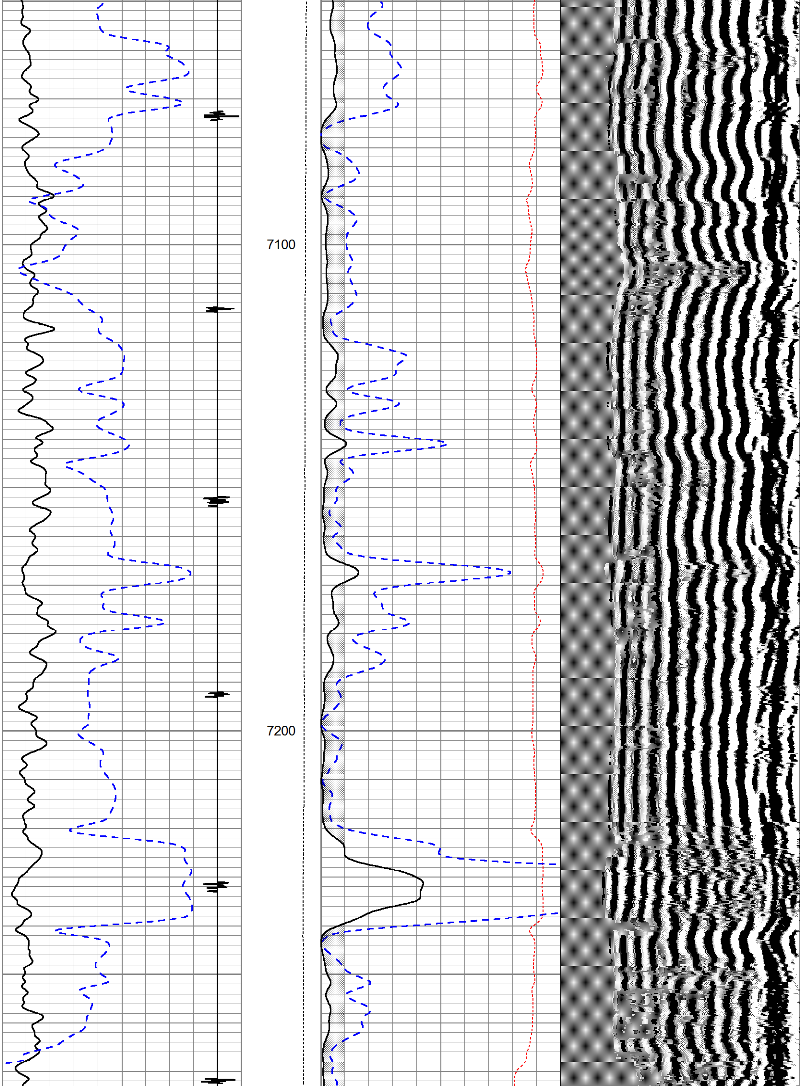

6000
6100

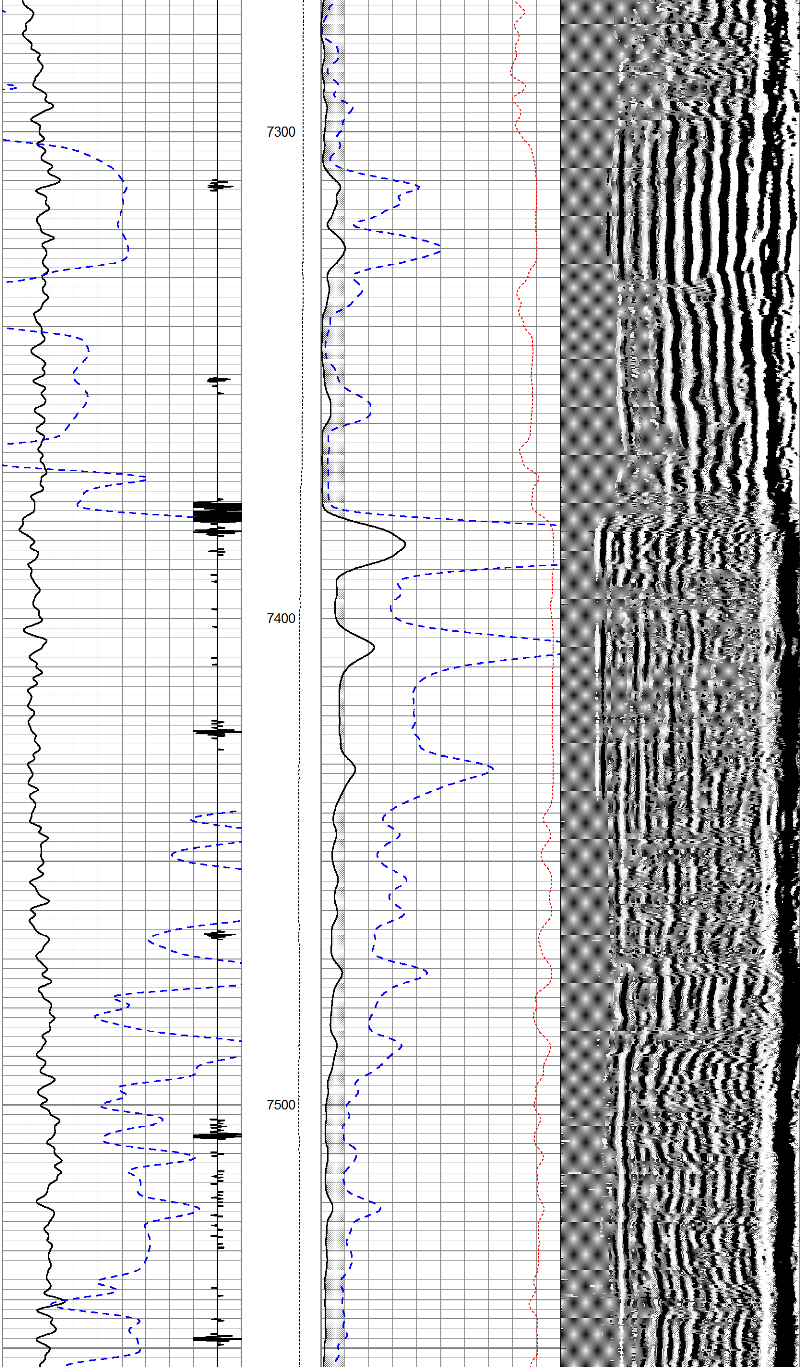

6200
6300
6400

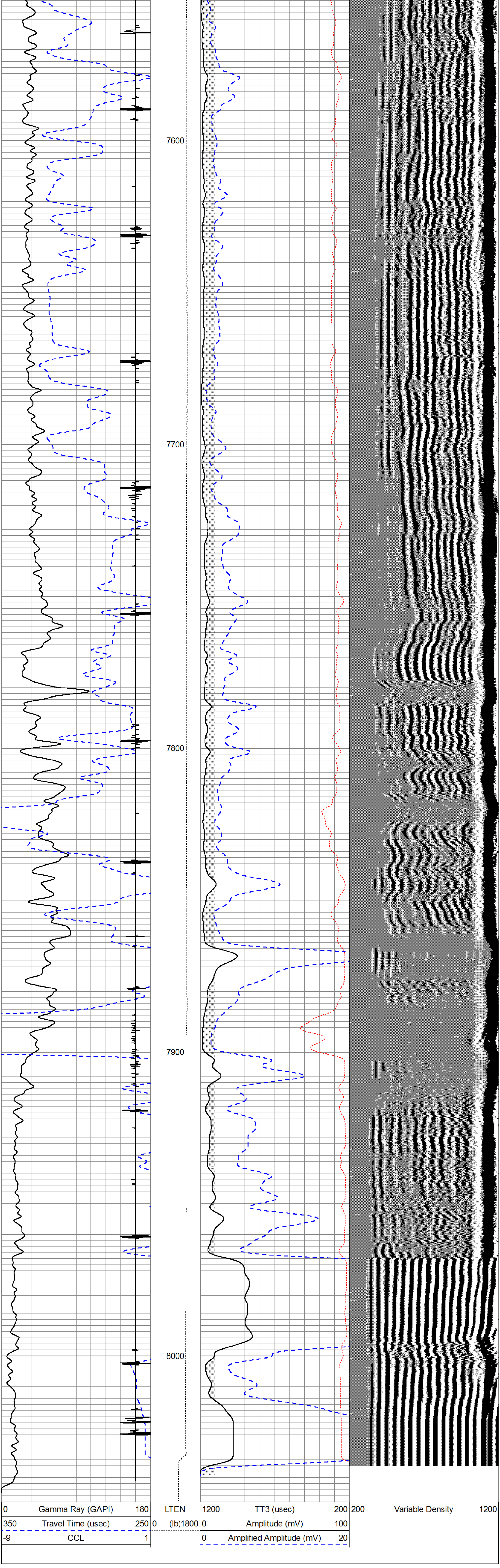

6500
6600


6700
6800


6900
7000


7100
7200


7300
7400
7500



## Calibration Report

| | |
|---|---|
| Database File: | mcelmo dome unit-gp-27.db |
| Dataset Pathname: | pass5 |
| Dataset Creation: | Mon Sep 29 12:28:14 2014 |

### Gamma Ray Calibration Report

| | | |
|---|---|---|
| Serial Number: | 275INV | |
| Tool Model: | PTS275Inv | |
| Performed: | Tue Dec 11 09:35:37 2012 | |
| Calibrator Value: | 1.0 | GAPI |
| Background Reading: | 0.0 | cps |
| Calibrator Reading: | 1.0 | cps |
| Sensitivity: | 0.8000 | GAPI/cps |

### Cement Bond Log Calibration Report

| | | |
|---|---|---|
| Serial Number: | 234 | |
| Tool Model: | SIE275 | |
| Performed: | Mon Sep 29 08:52:07 2014 | |
| Depth: | 783.917 | ft |
| Casing Diameter: | 7 | in |

| | 3' Spacing | 5' Spacing | |
|---|---|---|---|
| Signal Zero: | 0.25 | 0 | mV |
| Calibrated Amplitude: | 62.1651 | 62.1651 | mV |
| Reading at Signal Zero: | 0.00488281 | 0.00205078 | V |
| Reading in Free Pipe: | 1.59187 | 1.14392 | V |
| Gain: | 39.0142 | 54.4415 | |
| Offset: | 0.0595009 | -0.111647 | |