



**COMPLETION  
& PRODUCTION  
SERVICES CO.**

**MICRO  
LOG**

|                              |                          |                            |                                      |
|------------------------------|--------------------------|----------------------------|--------------------------------------|
| Company                      | CAPTIVA II               | Company                    | CAPTIVA II                           |
| Well                         | WARD-COUNTY UNIT #1-3    | Well                       | WARD-COUNTY UNIT #1-3                |
| Field                        | LARNED                   | Field                      | LARNED                               |
| County                       | PAWNEE                   | County                     | PAWNEE                               |
| State                        | KANSAS                   | State                      | KANSAS                               |
| Location:                    |                          | API # : 15-145-21735-00-00 | Other Services<br>CNL/CDL<br>DIL/SON |
| SEC 3 TWP 22S RGE 16W        |                          | Elevation                  |                                      |
| Permanent Datum              | GROUND LEVEL             | Elevation                  | 1986                                 |
| Log Measured From            | KELLY BUSHING 13' A.G.L. | K.B.                       | 1999                                 |
| Drilling Measured From       | KELLY BUSHING            | D.F.                       | 1997                                 |
|                              |                          | G.L.                       | 1986                                 |
| Date                         | 11/4/13                  |                            |                                      |
| Run Number                   | TVMO                     |                            |                                      |
| Depth Driller                | 4040                     |                            |                                      |
| Depth Logger                 | 4041                     |                            |                                      |
| Bottom Logged Interval       | 4016                     |                            |                                      |
| Top Log Interval             | 3100                     |                            |                                      |
| Casing Driller               | 8 5/8 @ 1021             |                            |                                      |
| Casing Logger                | 1020                     |                            |                                      |
| Bit Size                     | 7.875                    |                            |                                      |
| Type Fluid in Hole           | CHEMICAL MUD             |                            |                                      |
| Density / Viscosity          | 9.3 / 58                 |                            |                                      |
| pH / Fluid Loss              | 9.5 / 7.2                |                            |                                      |
| Source of Sample             | FLOWLINE                 |                            |                                      |
| Rim @ Meas. Temp             | 0.65 @ 60F               |                            |                                      |
| Rmf @ Meas. Temp             | 0.49 @ 60F               |                            |                                      |
| Rmc @ Meas. Temp             | 0.78 @ 60F               |                            |                                      |
| Source of Rmf / Rmc          | MEASURED                 |                            |                                      |
| Rim @ BHT                    | 0.34 @ 116F              |                            |                                      |
| Time Circulation Stopped     | 2 HOURS                  |                            |                                      |
| Time Logger on Bottom        |                          |                            |                                      |
| Maximum Recorded Temperature | 116F                     |                            |                                      |
| Equipment Number             | 860                      |                            |                                      |
| Location                     | HAYS, KS.                |                            |                                      |
| Recorded By                  | IAN MABB                 |                            |                                      |
| Witnessed By                 | JEREMY SCHWARTZ          |                            |                                      |

<<< Fold Here >>>

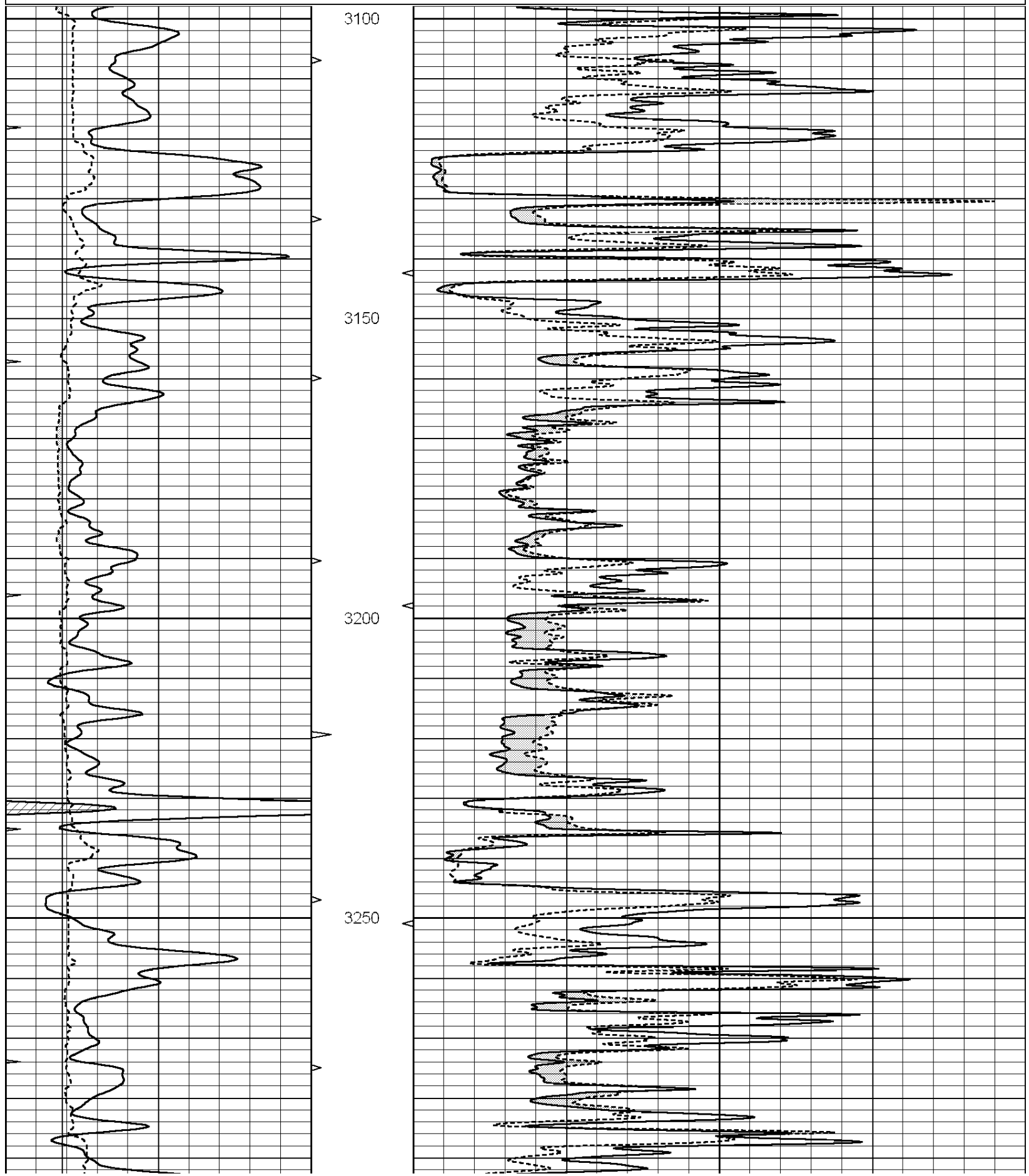
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

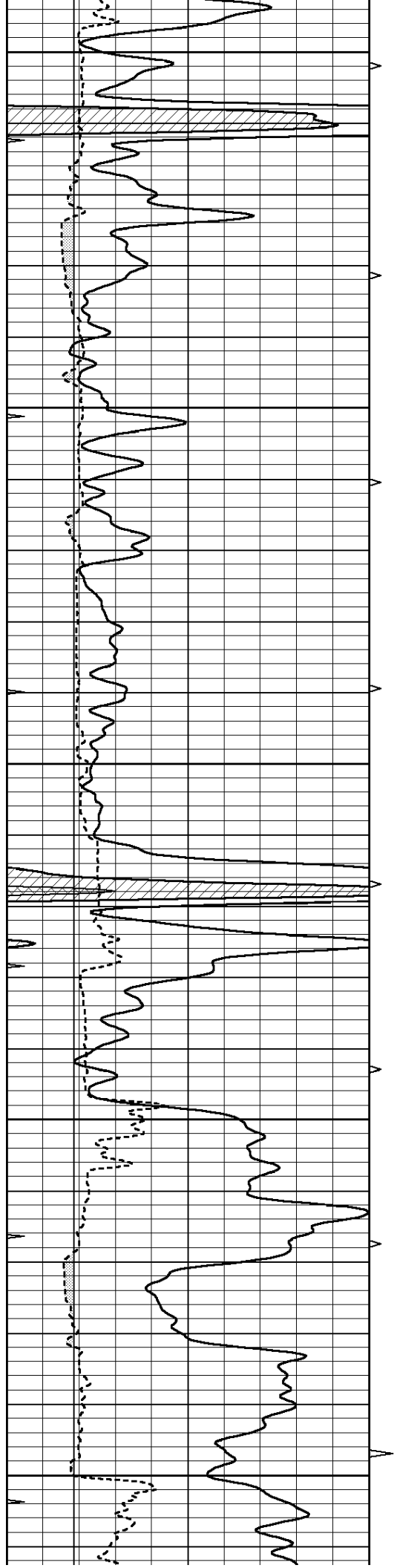
Comments

NABORS COMPLETION & PRODUCTION SERVICES  
785-628-6395  
THANK YOU FOR YOUR BUSINESS  
DIRECTIONS: LARNED, KS. - HWY 56 & 100 AVE - 1 1/2 SOUTH - 1/2 EAST - SOUTH INTO

|   |                  |     |
|---|------------------|-----|
| 0 | GAMMA RAY (GAPI) | 150 |
| 6 | MELCAL (in)      | 16  |
| 0 | MINMK            | 20  |

|   |                |    |
|---|----------------|----|
| 0 | MEL1.5 (Ohm-m) | 40 |
| 0 | MEL2.0 (Ohm-m) | 40 |





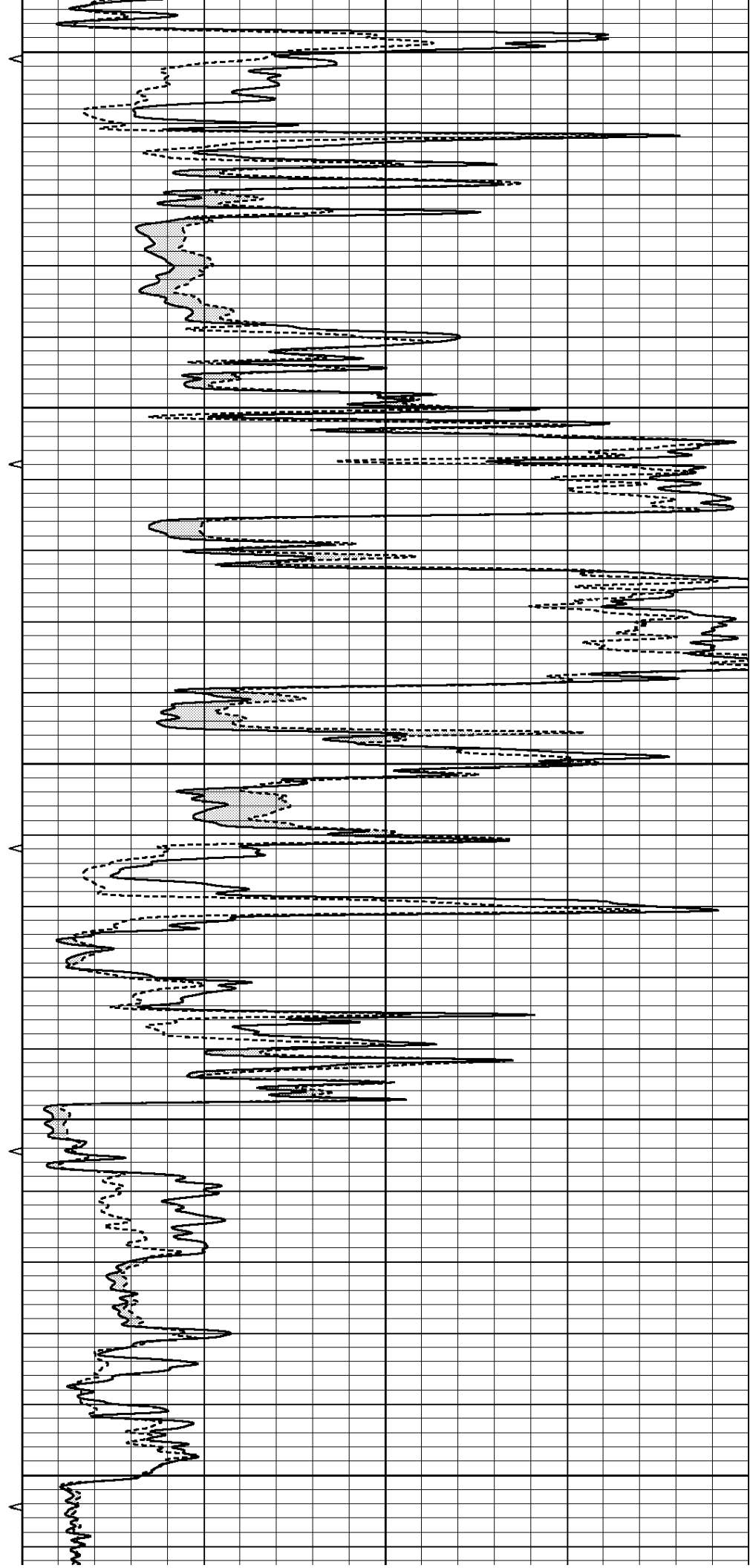
3300

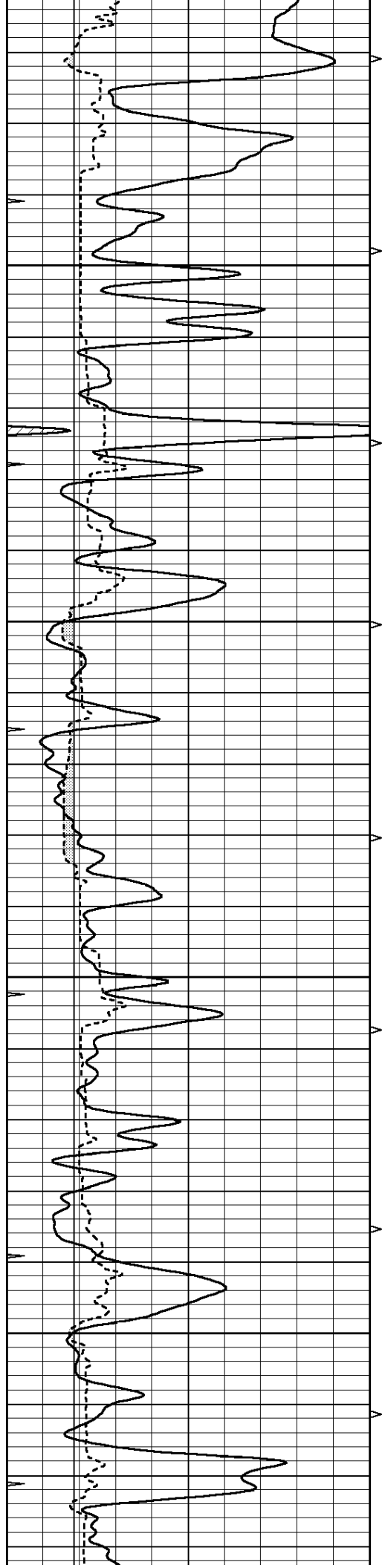
3350

3400

3450

3500



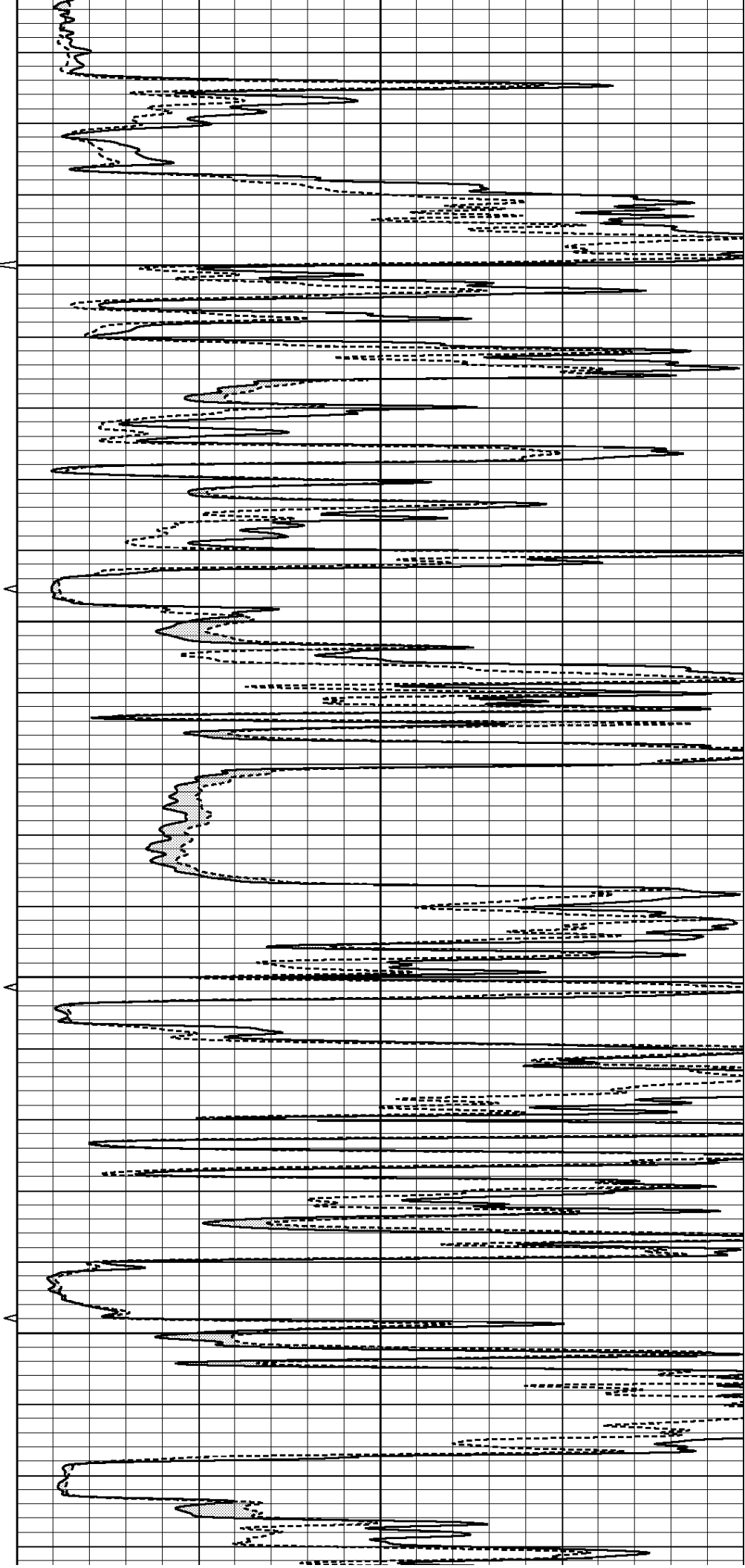


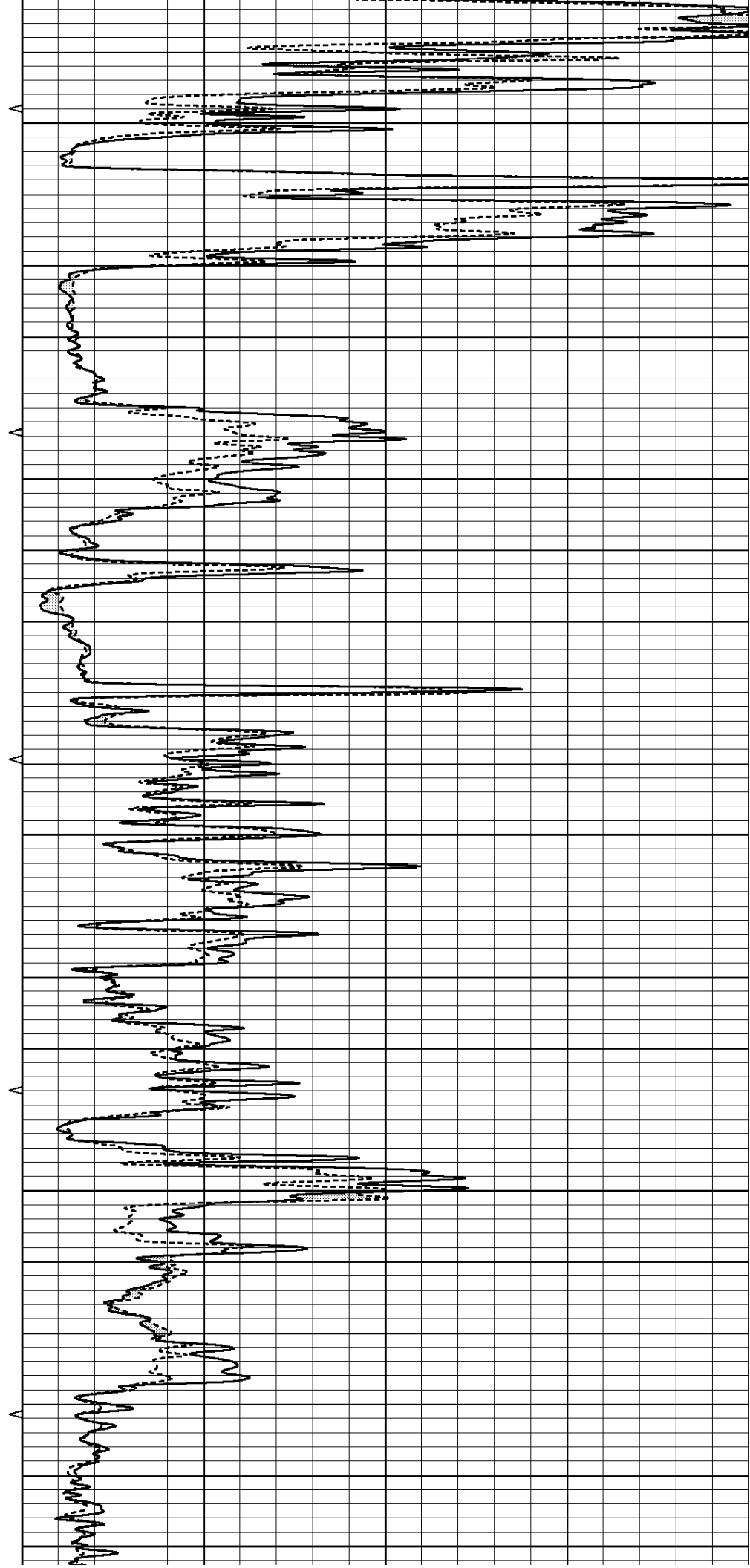
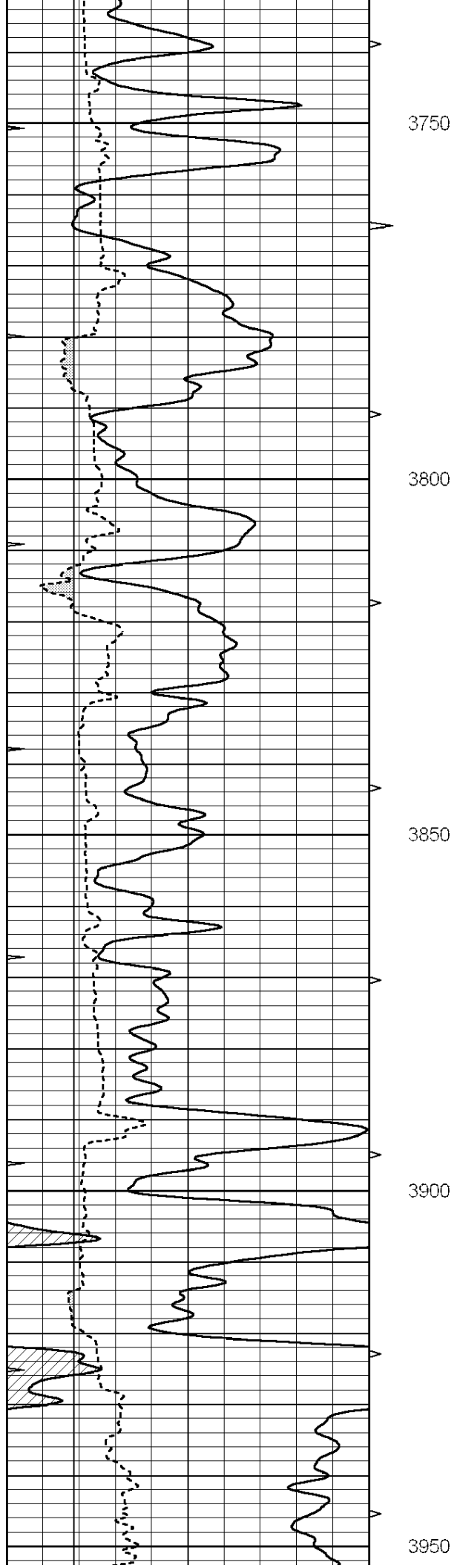
3550

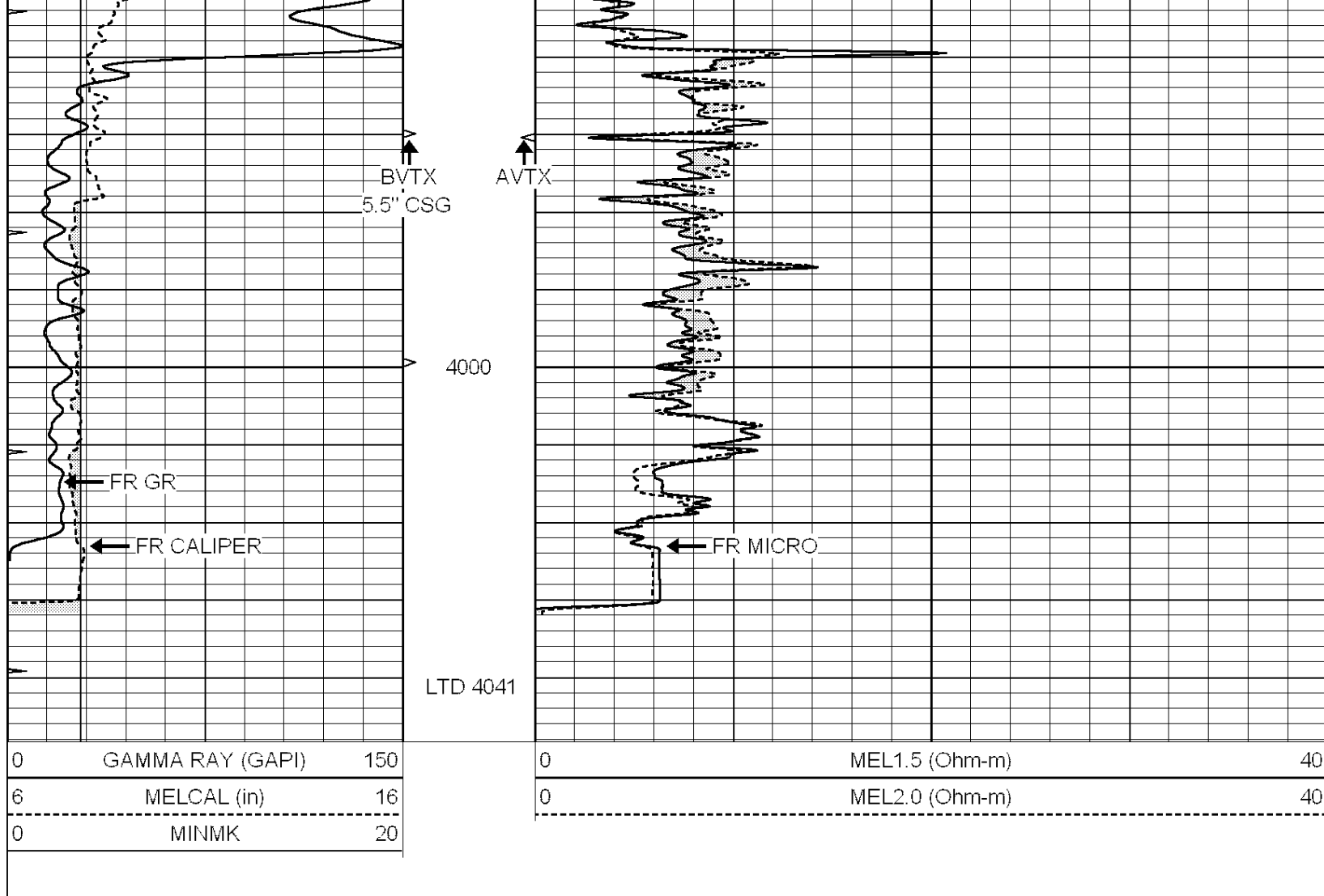
3600

3650

3700





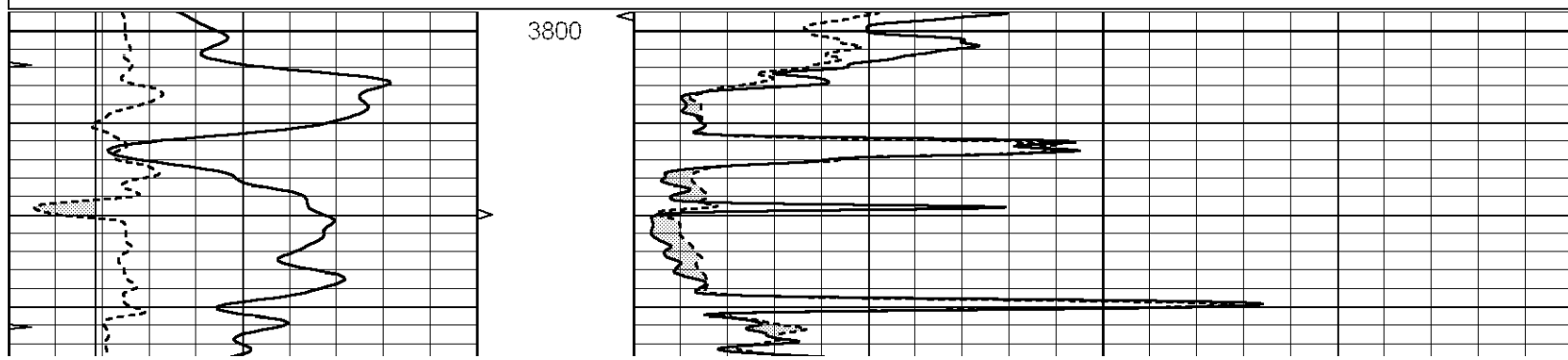


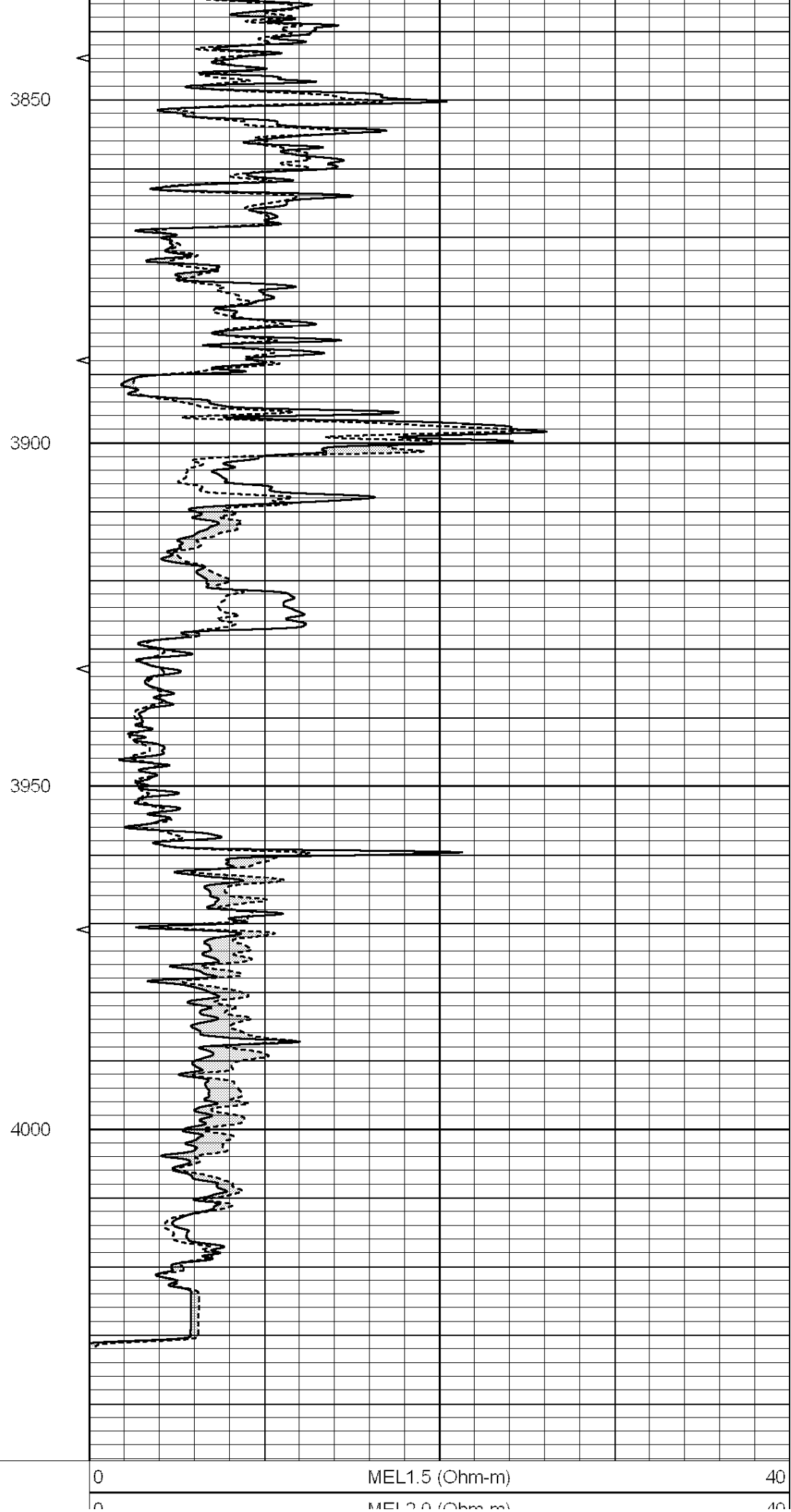
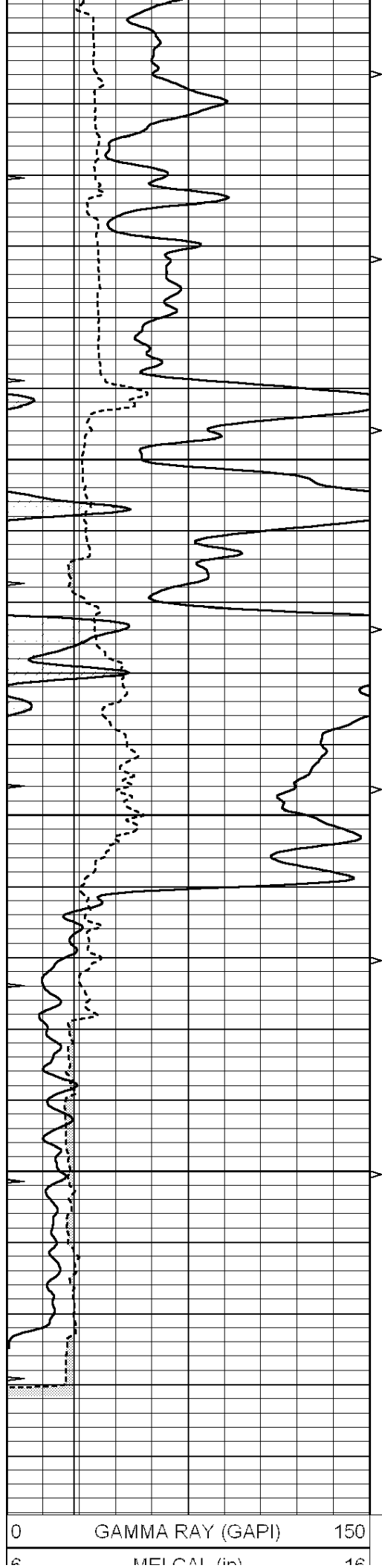
**COMPLETION  
& PRODUCTION  
SERVICES CO.**

# REPEAT SECTION

Database File: 012032ddn.db  
 Dataset Pathname: pass6.2  
 Presentation Format: \_micro  
 Dataset Creation: Tue Nov 05 01:30:14 2013 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

|   |                  |     |   |                |    |
|---|------------------|-----|---|----------------|----|
| 0 | GAMMA RAY (GAPI) | 150 | 0 | MEL1.5 (Ohm-m) | 40 |
| 6 | MELCAL (in)      | 16  | 0 | MEL2.0 (Ohm-m) | 40 |
| 0 | MINMK            | 20  |   |                |    |





|   |              |    |   |                  |    |
|---|--------------|----|---|------------------|----|
| 0 | MILECAL (in) | 10 | 0 | MILEZ.0 (CHINFI) | 40 |
| 0 | MINMK        | 20 |   |                  |    |
|   |              |    |   |                  |    |

|                              |                                                    |               |  |
|------------------------------|----------------------------------------------------|---------------|--|
| Calibration Report           |                                                    |               |  |
| Database File:               | 012032ddn.db                                       |               |  |
| Dataset Pathname:            | pass7.2                                            |               |  |
| Dataset Creation:            | Tue Nov 05 02:17:24 2013 by Calc Open-Cased 090629 |               |  |
| MICRO Calibration Report     |                                                    |               |  |
| Serial Number:               | MICRO4                                             |               |  |
| Tool Model:                  | PROBE                                              |               |  |
| Performed:                   | Mon Nov 04 10:58:08 2013                           |               |  |
| Caliper Calibration:         | Gain=2.947                                         | Offset=-9.088 |  |
|                              | Low Cal                                            | High Cal      |  |
| References                   | 8.600                                              | 14.000        |  |
| Readings                     | 5.934                                              | 7.767         |  |
| 1.5" Calibration:            | Gain=27.000                                        | Offset=-0.500 |  |
|                              | Low Cal                                            | High Cal      |  |
| References                   | 0.000                                              | 20.000        |  |
| Readings                     | 0.009                                              | 1.541         |  |
| 2" Calibration:              | Gain=30.000                                        | Offset=0.350  |  |
|                              | Low Cal                                            | High Cal      |  |
| References                   | 0.000                                              | 20.000        |  |
| Readings                     | 0.004                                              | 1.198         |  |
| Gamma Ray Calibration Report |                                                    |               |  |
| Serial Number:               | GR5                                                |               |  |
| Tool Model:                  | OPEN                                               |               |  |
| Performed:                   | Sun Nov 03 15:58:48 2013                           |               |  |
| Calibrator Value:            | 1.0                                                | GAPI          |  |
| Background Reading:          | 0.0                                                | cps           |  |
| Calibrator Reading:          | 1.0                                                | cps           |  |
| Sensitivity:                 | 0.9100                                             | GAPI/cps      |  |