



**SUPERIOR**  
Hays,  
Kansas

**RADIATION  
GUARD  
LOG**

Company BAIRD OIL COMPANY,LLC.  
Well ESSLINGER RANCH #1-17  
Field WILDCAT  
County NORTON  
State KANSAS

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Location: API # : 15-137-20616-00-00  
1330' FSL & 1030' FWL  
SE - SE - NW - SW  
SEC 17 TWP 3S RGE 22W  
Permanent Datum GROUND LEVEL Elevation 2414  
Log Measured From KELLY BUSHING 5' A.G.L.  
Drilling Measured From KELLY BUSHING  
Elevation  
K.B. 2419  
D.F. 2417  
G.L. 2414

|                              |               |
|------------------------------|---------------|
| Date                         | 9/23/12       |
| Run Number                   | ONE           |
| Depth Driller                | 3882          |
| Depth Logger                 | 3881          |
| Bottom Logged Interval       | 3880          |
| Top Log Interval             | 3200          |
| Casing Driller               | 8 5/8" @ 301  |
| Casing Logger                | 300           |
| Bit Size                     | 7 7/8         |
| Type Fluid in Hole           | CHEMICAL MUD  |
| Density / Viscosity          | 9.2/67        |
| pH / Fluid Loss              | 10.5/6.4      |
| Source of Sample             | FLOWLINE      |
| Rin @ Meas. Temp             | 1.3 @ 70F     |
| Rmf @ Meas. Temp             | 0.98 @ 70F    |
| Rmc @ Meas. Temp             | 1.56 @ 70F    |
| Source of Rmf / Rmc          | MEASURED      |
| Rin @ BHT                    | 0.79 @ 115F   |
| Time Circulation Stopped     | 2 HOURS       |
| Time Logger on Bottom        |               |
| Maximum Recorded Temperature | 115F          |
| Equipment Number             | 680           |
| Location                     | HAYS, KS.     |
| Recorded By                  | IAN MABB      |
| Witnessed By                 | RICHARD BELL  |
|                              | JEFF GRONEMEG |

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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**

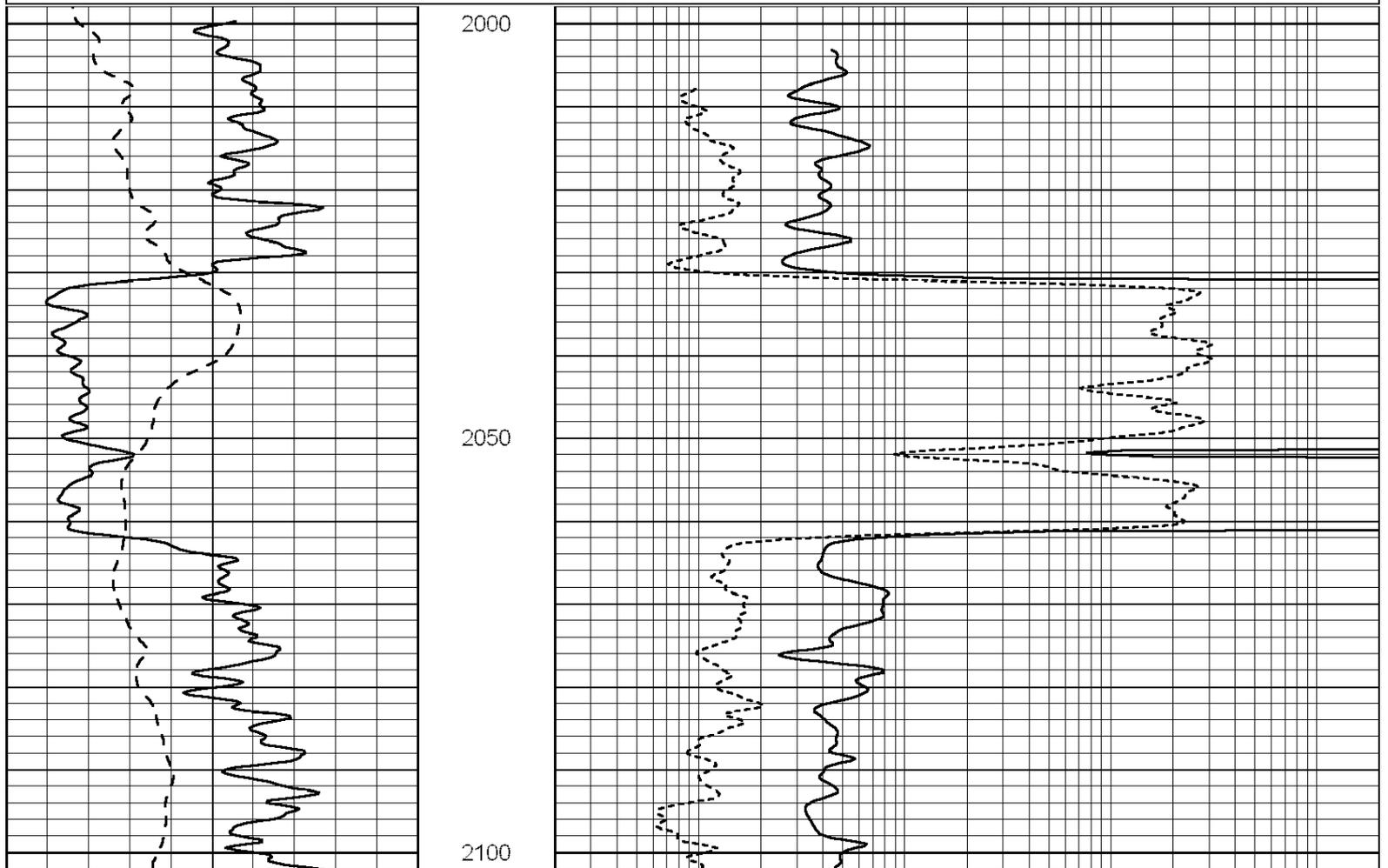
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395  
DIRECTIONS  
NORTON, KS. 4 MILES SOUTH TO RD Q, 3 MILES EAST RD E3, 1 MILE NORTH 1/4 EAST NORTH INTO

Database File: 009737rag.db  
Dataset Pathname: pass3.7  
Presentation Format: rag2  
Dataset Creation: Mon Sep 24 00:45:49 2012 by Calc Open-Cased 090629  
Charted by: Depth in Feet scaled 1:240

Charted by:

Depth in Feet scaled 1:240

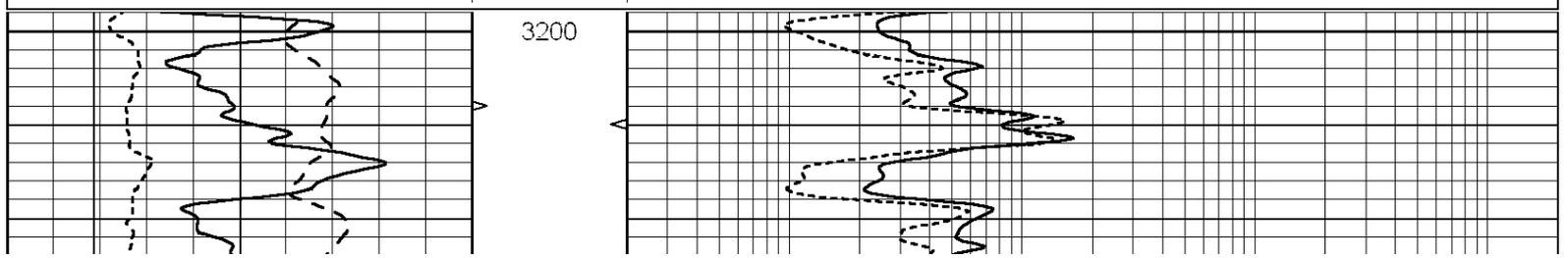
|       |                  |     |            |       |                |      |
|-------|------------------|-----|------------|-------|----------------|------|
| 0     | GAMMA RAY (GAPI) | 150 | ABHV (ft3) | 0.2   | GUARD (Ohm-m)  | 2000 |
| -100  | SP (mV)          | 100 |            | 0     | NEUTRON (NAPI) | 1000 |
| ----- |                  |     | TBHV (ft3) | ----- |                |      |

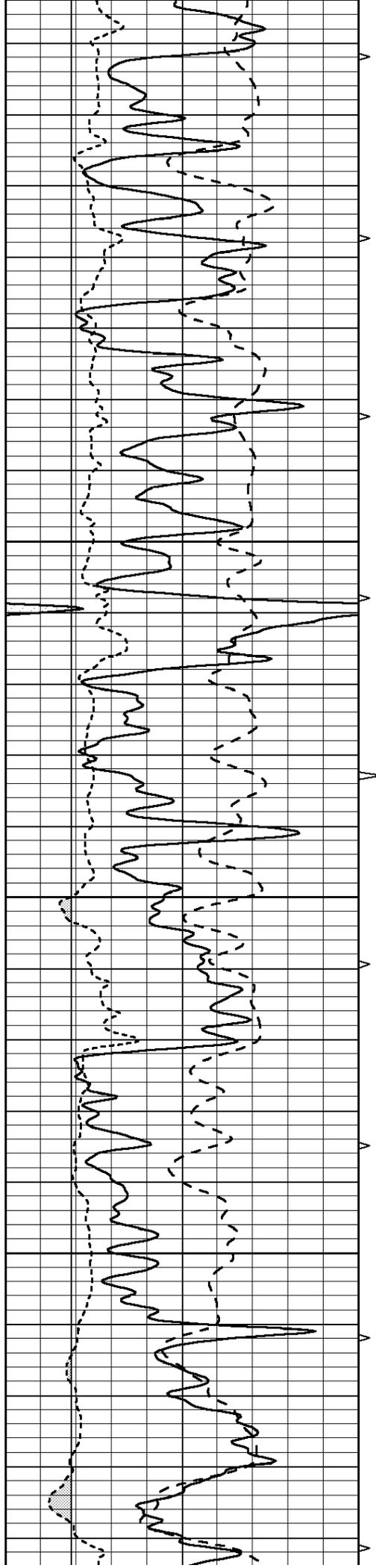


|       |                  |     |            |       |                |      |
|-------|------------------|-----|------------|-------|----------------|------|
| 0     | GAMMA RAY (GAPI) | 150 | ABHV (ft3) | 0.2   | GUARD (Ohm-m)  | 2000 |
| -100  | SP (mV)          | 100 |            | 0     | NEUTRON (NAPI) | 1000 |
| ----- |                  |     | TBHV (ft3) | ----- |                |      |

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|       |                  |     |            |       |                |      |
|-------|------------------|-----|------------|-------|----------------|------|
| 0     | GAMMA RAY (GAPI) | 150 | ABHV       | 0.2   | GUARD (Ohm-m)  | 2000 |
| -100  | SP (mV)          | 100 | 10 (ft3) 0 | 0     | NEUTRON (NAPI) | 1000 |
| ----- |                  |     | TBHV       | ----- |                |      |
| 6     | CALIPER (in)     | 16  | 0 (ft3) 10 |       |                |      |



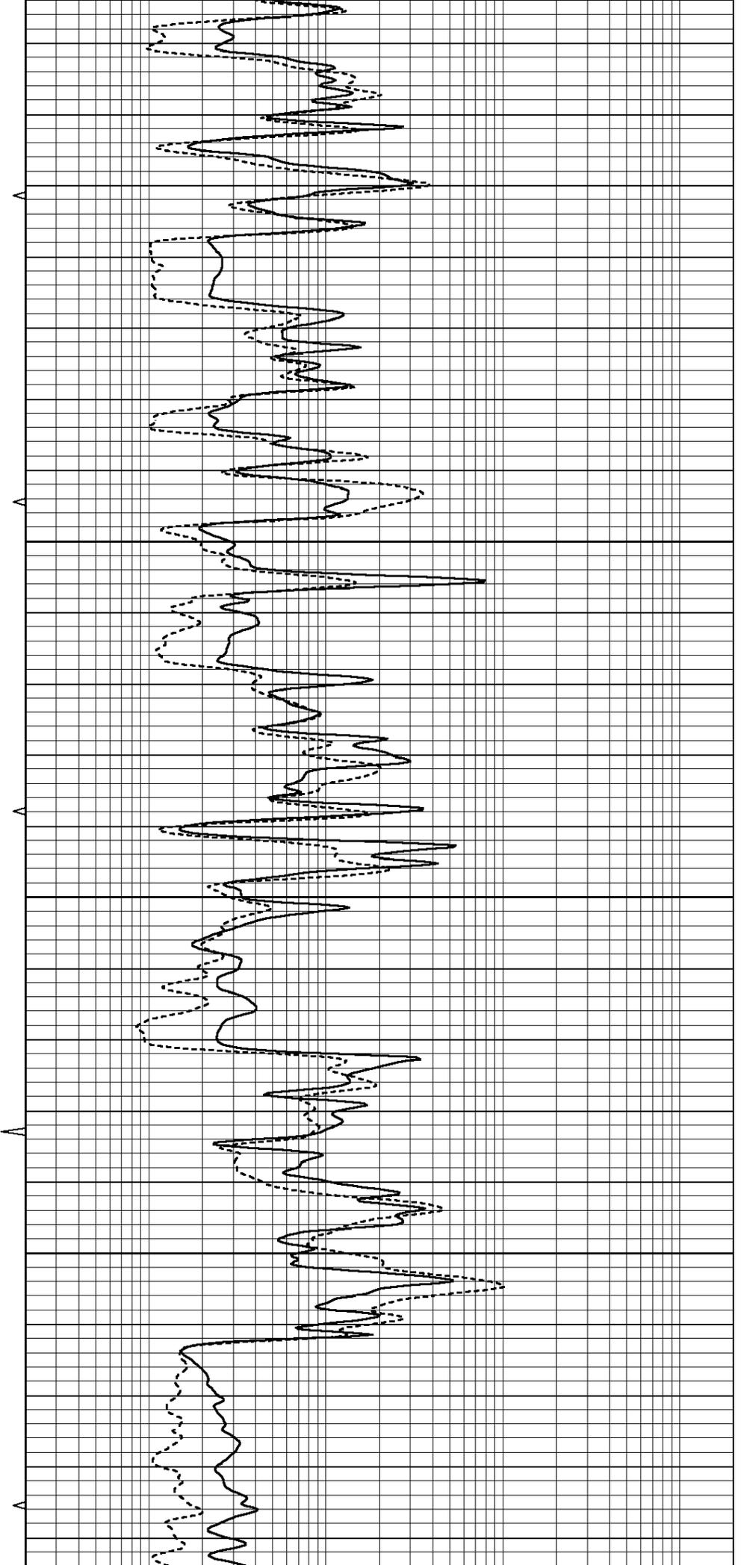


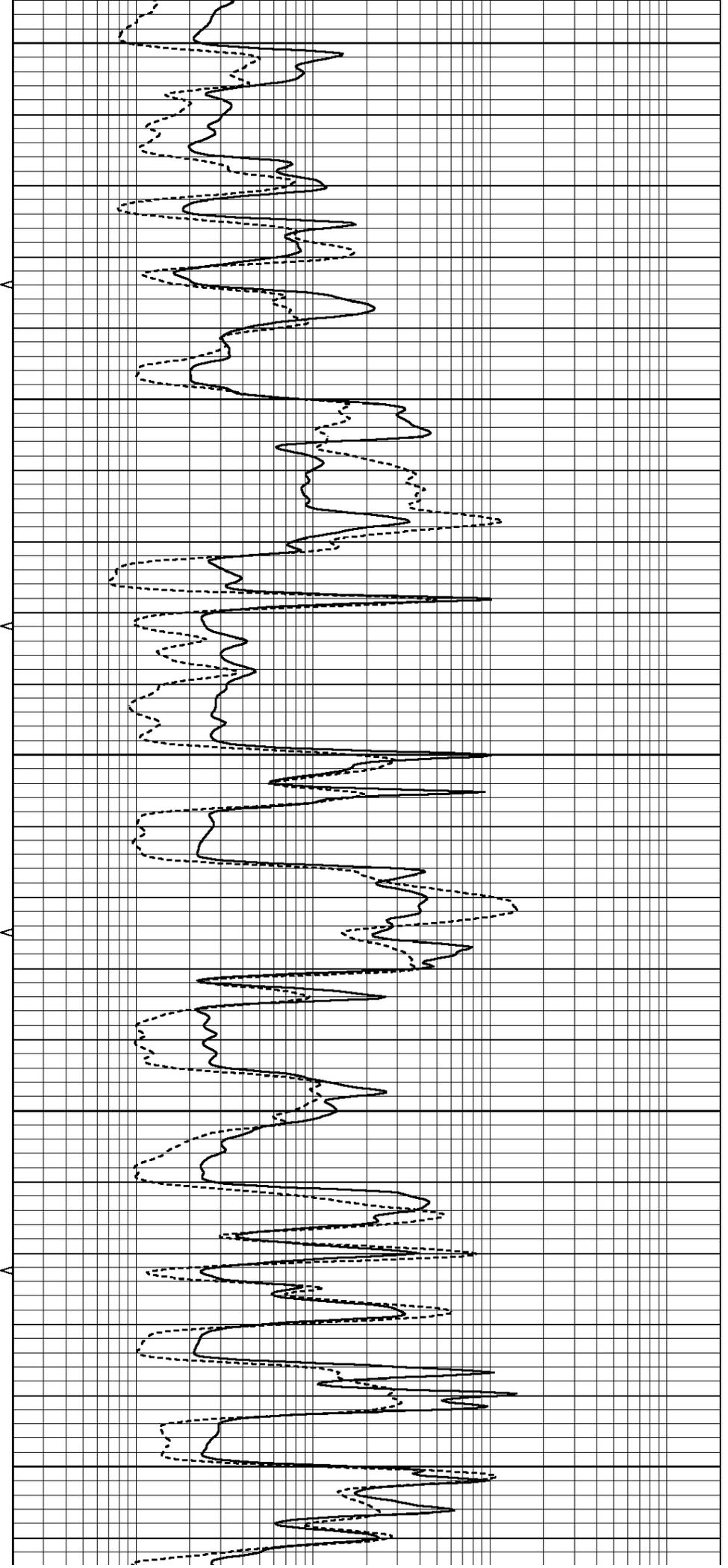
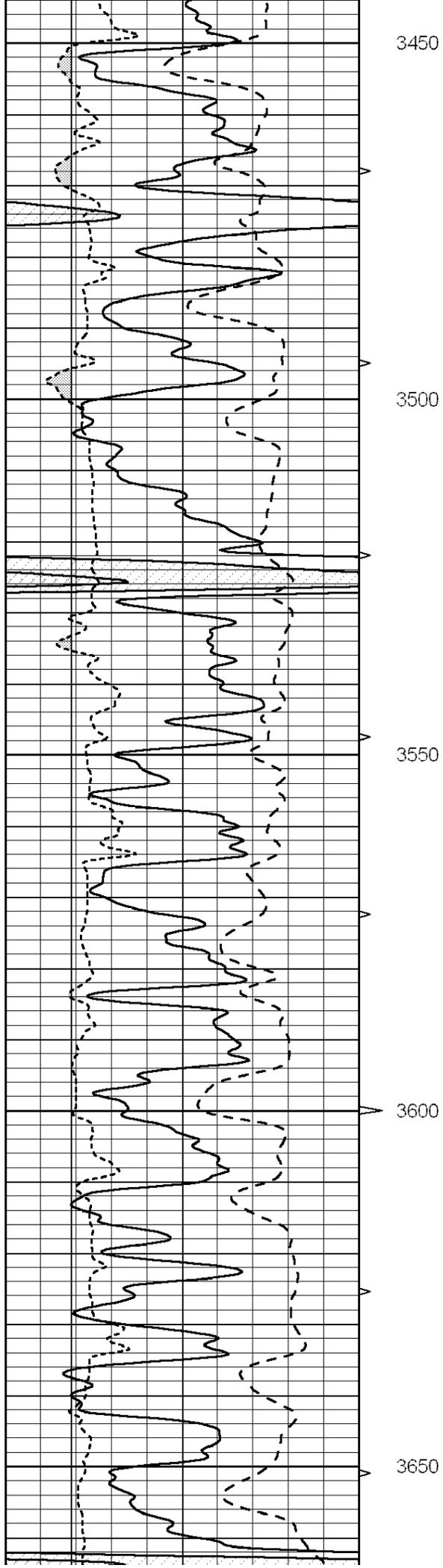
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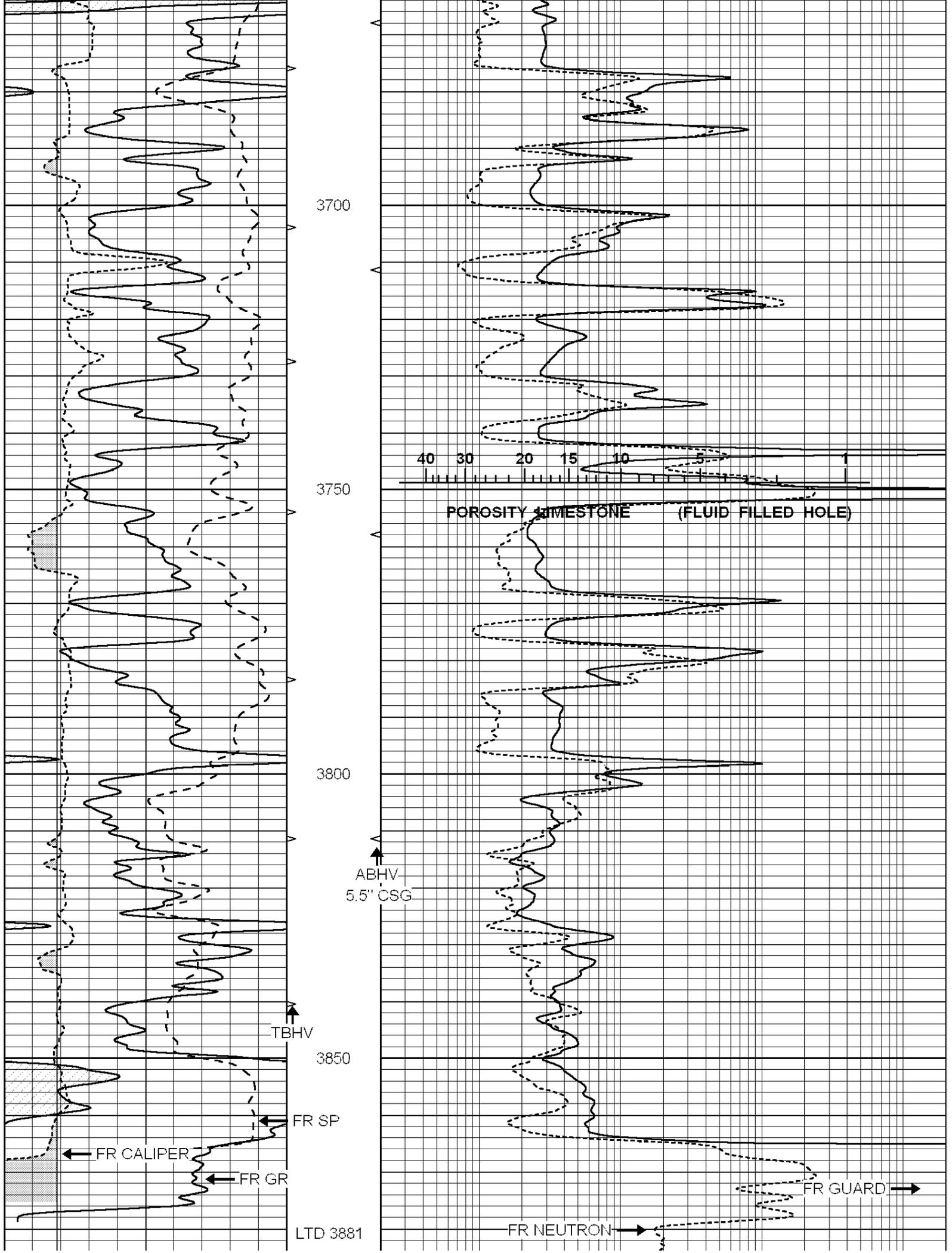
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3350

3400







|      |                  |     |          |     |                |      |
|------|------------------|-----|----------|-----|----------------|------|
| 0    | GAMMA RAY (GAPI) | 150 | ABHV     | 0.2 | GUARD (Ohm-m)  | 2000 |
| -100 | SP (mV)          | 100 | 10 (ft3) | 0 0 | NEUTRON (NAPI) | 1000 |
| 6    | CALIPER (in)     | 16  | TBHV     |     |                |      |
|      |                  |     | 0 (ft3)  | 10  |                |      |



SUPERIOR  
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# REPEAT SECTION

Database File: 009737rag.db  
 Dataset Pathname: pass2.5.1  
 Presentation Format: rag  
 Dataset Creation: Mon Sep 24 00:58:04 2012 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

|      |                  |     |          |     |                |      |
|------|------------------|-----|----------|-----|----------------|------|
| 0    | GAMMA RAY (GAPI) | 150 | ABHV     | 0.2 | GUARD (Ohm-m)  | 2000 |
| -100 | SP (mV)          | 100 | 10 (ft3) | 0 0 | NEUTRON (NAPI) | 1000 |
| 6    | CALIPER (in)     | 16  | TBHV     |     |                |      |
|      |                  |     | 0 (ft3)  | 10  |                |      |

