



**SUPERIOR**  
Hays,  
Kansas

**RADIATION  
GUARD  
LOG**

Company BAIRD OIL COMPANY, LLC.  
Well SIDES / ANNA UNIT #1-3  
Field  
County NORTON  
State KANSAS

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County NORTON State KANSAS

Location: API # : 15-137-20553-0000

2585' FNL & 1450' FEL

SEC 3 TWP 4S RGE 21W

MEL

Other Services

Permanent Datum GROUND LEVEL Elevation 2220  
Log Measured From KELLY BUSHING 5' A.G.L.  
Drilling Measured From KELLY BUSHING

Elevation  
K.B. 2225  
D.F. 2223  
G.L. 2220

|                              |               |                    |  |
|------------------------------|---------------|--------------------|--|
| Date                         | 4/18/11       |                    |  |
| Run Number                   | ONE           |                    |  |
| Depth Driller                | 3730          |                    |  |
| Depth Logger                 | 3731          |                    |  |
| Bottom Logged Interval       | 3730          |                    |  |
| Top Log Interval             | 3100          |                    |  |
| Casing Driller               | 8 5/8" @ 220' |                    |  |
| Casing Logger                | 220'          |                    |  |
| Bit Size                     | 7 7/8         |                    |  |
| Type Fluid in Hole           | CHEMICAL MUD  | CHLORIDES 1200 PPM |  |
| Density / Viscosity          | 8.9/48        |                    |  |
| pH / Fluid Loss              | 10.5/6.8      |                    |  |
| Source of Sample             | FLOWLINE      |                    |  |
| Rin @ Meas. Temp             | 1.40 @ 78F    |                    |  |
| Rmf @ Meas. Temp             | 1.05 @ 78F    |                    |  |
| Rmc @ Meas. Temp             | 1.68 @ 78F    |                    |  |
| Source of Rmf / Rmc          | MEASURED      |                    |  |
| Rin @ BHT                    | 0.96 @ 114F   |                    |  |
| Time Circulation Stopped     | 2 HOURS       |                    |  |
| Time Logger on Bottom        |               |                    |  |
| Maximum Recorded Temperature | 114F          |                    |  |
| Equipment Number             | 680           |                    |  |
| Location                     | HAYS, KS.     |                    |  |
| Recorded By                  | JEFF GRONEMEG |                    |  |
| Witnessed By                 | RICHARD BELL  |                    |  |

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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

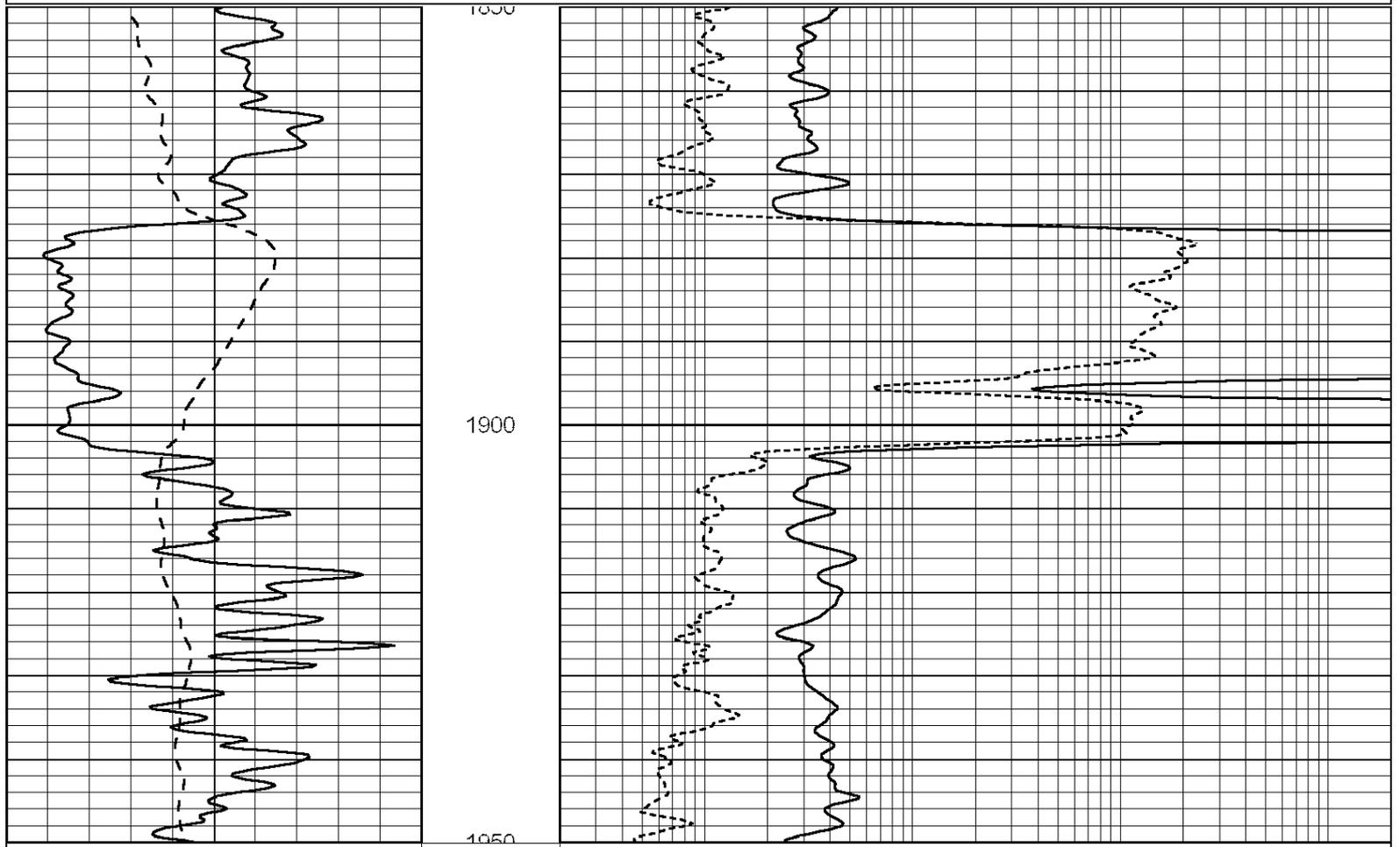
THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395  
DIRECTIONS  
LOGAN, KS - EAST TO RD 12 E - 5 1/2 MILES NORTH  
WEST INTO

Database File: 006344rag.db  
Dataset Pathname: pass4.2  
Presentation Format: rag2  
Dataset Creation: Mon Apr 18 03:38:21 2011 by Calc Open-Cased 090629  
Charted by: Depth in Feet scaled 1:240

Charted by:

Depth in Feet scaled 1:240

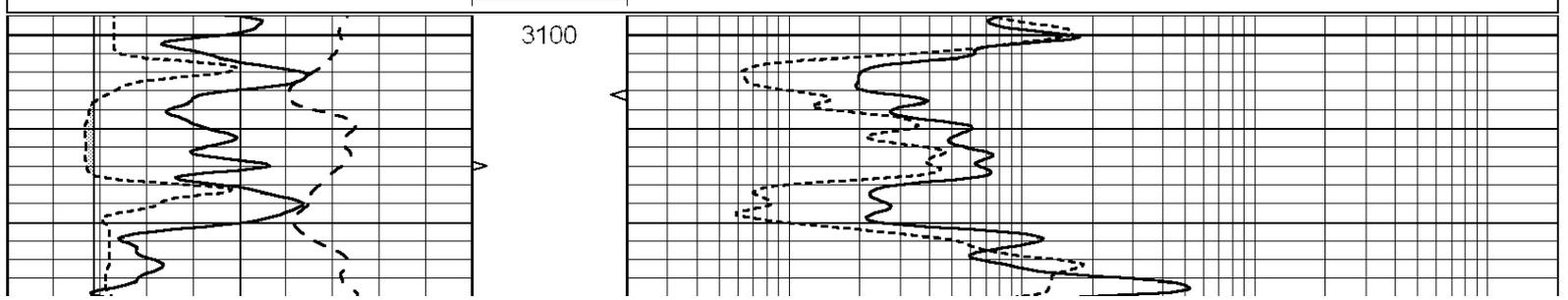
|       |                  |     |            |       |                |      |
|-------|------------------|-----|------------|-------|----------------|------|
| 0     | GAMMA RAY (GAPI) | 150 | ABHV (ft3) | 0.2   | GUARD (Ohm-m)  | 2000 |
| -100  | SP (mV)          | 100 |            | 0     | NEUTRON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

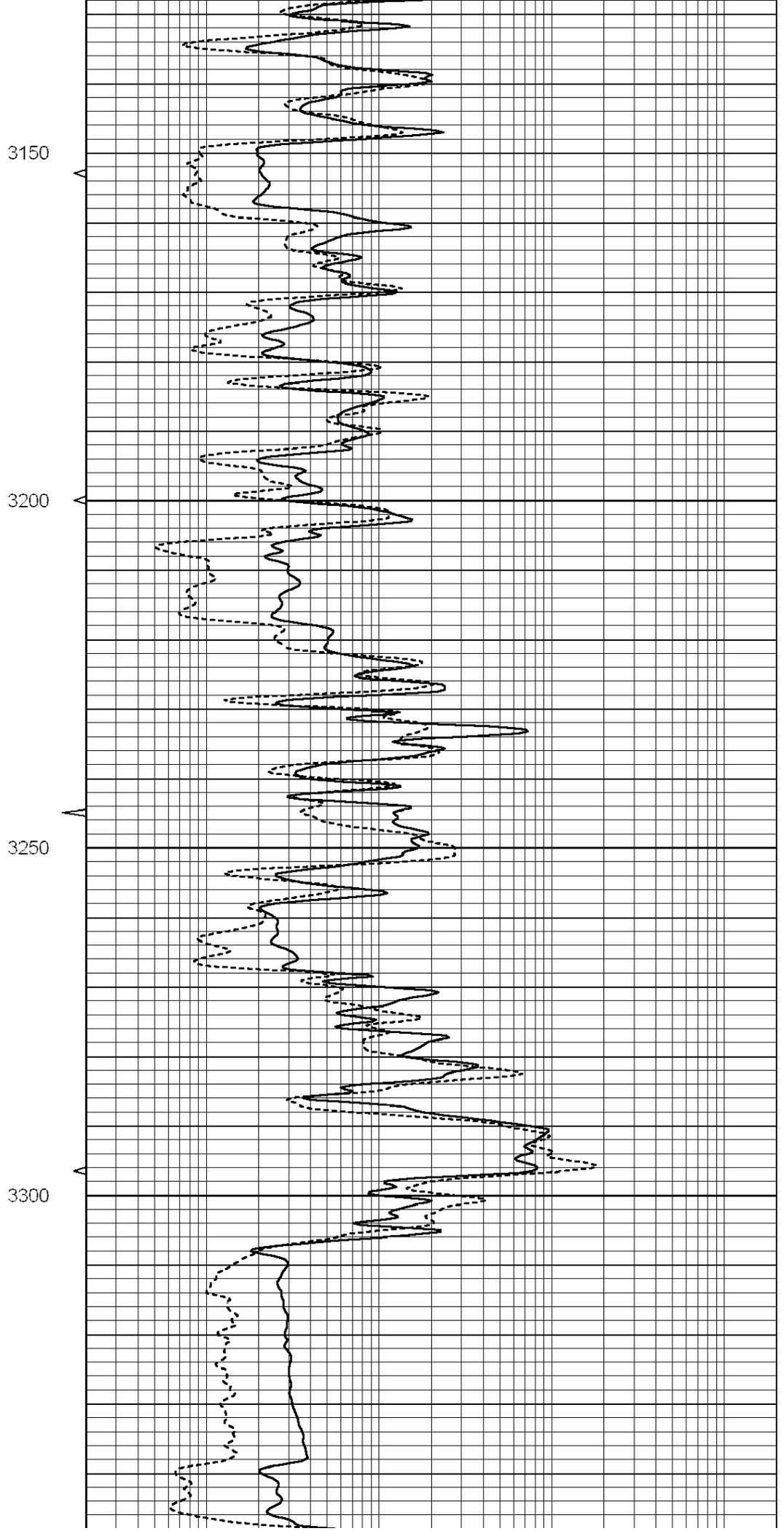
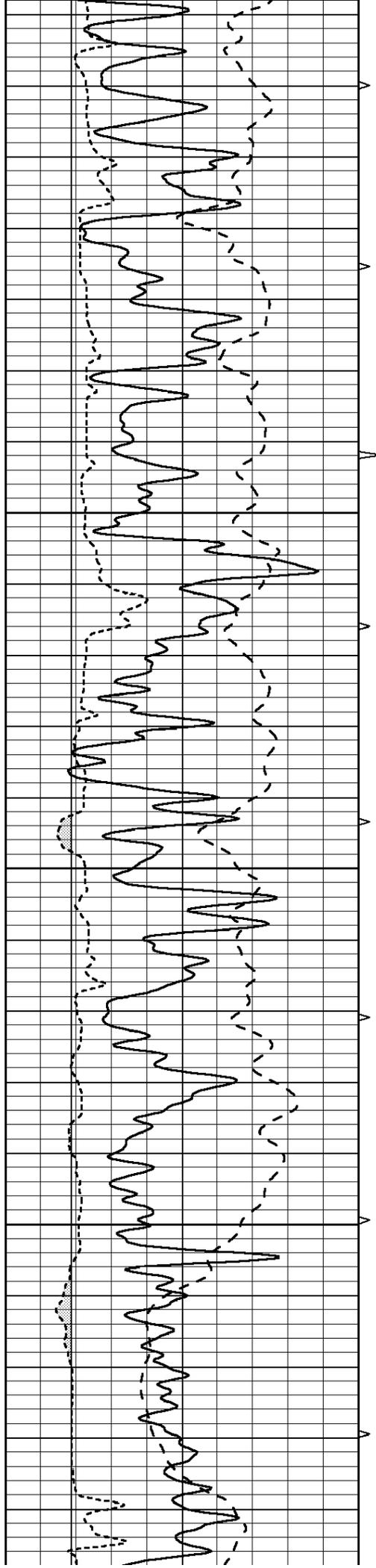


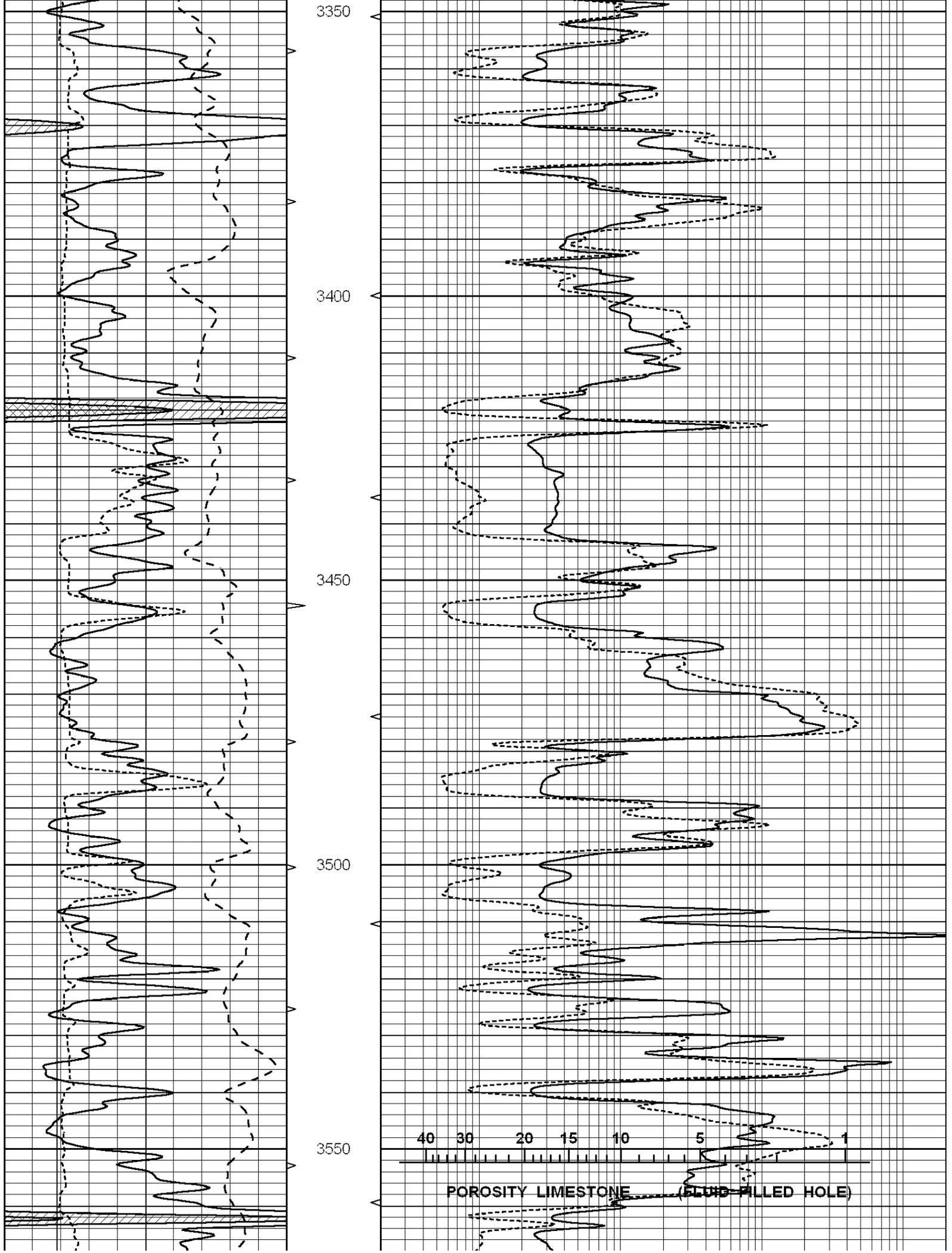
|       |                  |     |            |       |                |      |
|-------|------------------|-----|------------|-------|----------------|------|
| 0     | GAMMA RAY (GAPI) | 150 | ABHV (ft3) | 0.2   | GUARD (Ohm-m)  | 2000 |
| -100  | SP (mV)          | 100 |            | 0     | NEUTRON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

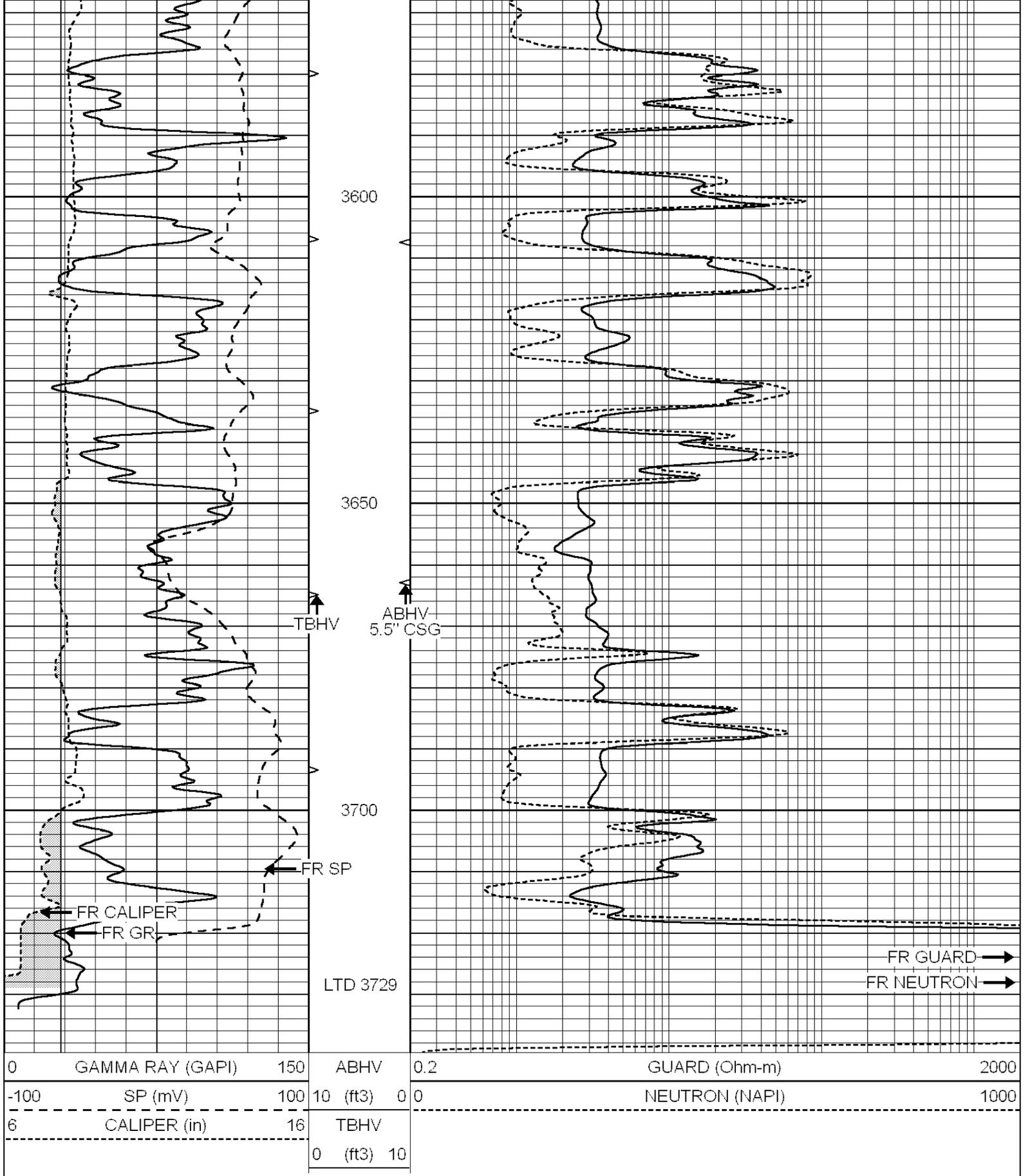
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 Dataset Pathname: pass4.2  
 Presentation Format: rag  
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 Charted by: Depth in Feet scaled 1:240

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







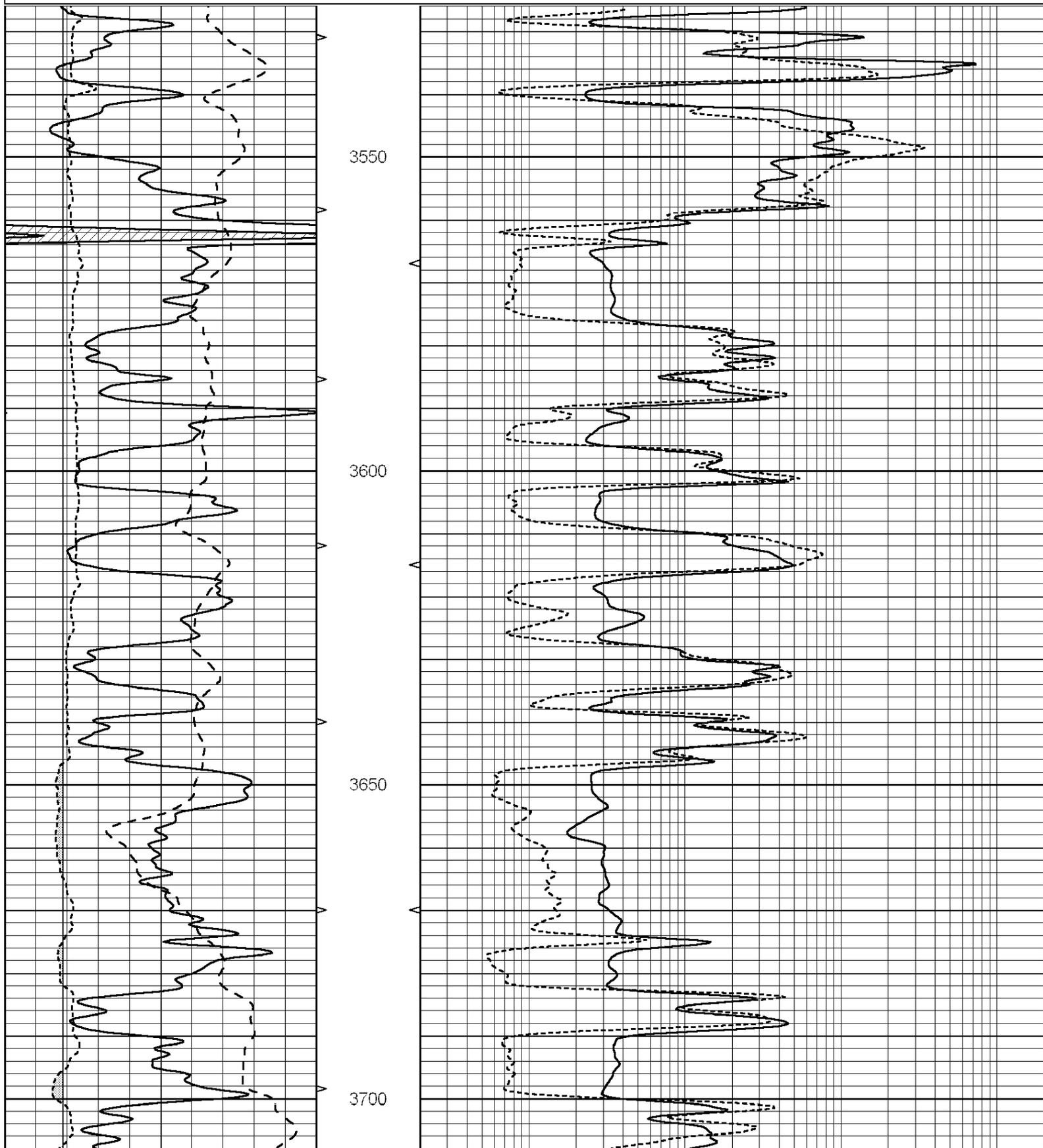


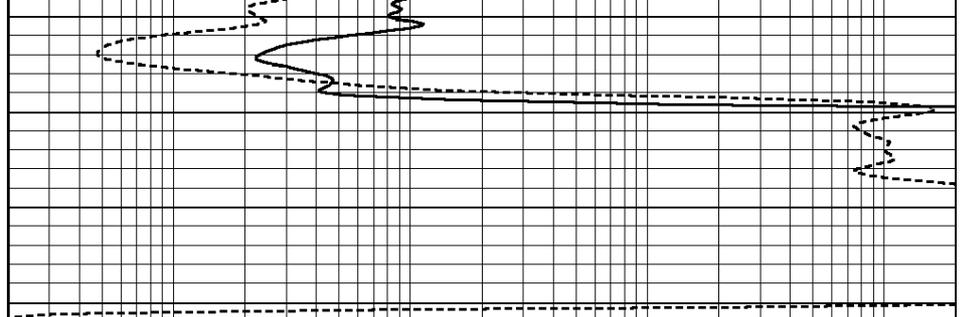
SUPERIOR  
Hays,  
Kansas

# REPEAT SECTION

Database File: 006344rag.db  
 Dataset Pathname: pass3.1.4  
 Presentation Format: rag  
 Dataset Creation: Mon Apr 18 02:40:37 2011 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  |                |      |





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