

Figure 10.—Gamma-gamma density and resistivity log for drill-hole CB-28-BH

**NUCLEAR LOG**

TYPE: GAMMA-GAMMA DATE: \_\_\_\_\_  
 LOCATION: State WYO County \_\_\_\_\_ Town \_\_\_\_\_ FILE LOCATION NO.: \_\_\_\_\_

**LOGGING INFORMATION**

Operator(s) L. SHARFF  
 Equipment address: USGS, DENVER  
 Logger type: \_\_\_\_\_ No. \_\_\_\_\_  
 Tool type: \_\_\_\_\_  
 Detector type: SCINTILLATION  
 Source size: \_\_\_\_\_ Ci \_\_\_\_\_  
 Source spacing: 10.00 ft  
 Tool length, cable head to detector: 4.0 ft  
 Calibration: see log  
 Logging speed: 17 ft/min up down  
 Log vert. scale: 10 ft/in

**MODULE SETTINGS**

Scale switch (rate or counts): 500 chart div (or) \_\_\_\_\_  
 (circle as applicable)

T. C. switch: 4 sec.  
 Position Pot. (base, zero, or suppression): 9.92 Dial Div.  
 Sensitivity Pot. (Span): 8.60 Dial Div.  
 Discrimination Pot.: 5 Volts; Polarity POS  
 Input pulse: 6 cps chart div (or) \_\_\_\_\_  
 Output switch: normal reverse \_\_\_\_\_  
 Actual scale: \_\_\_\_\_ cps chart div (or) \_\_\_\_\_  
 (circle as applicable)

**RECORDER SETTINGS**

Position Pot.: \_\_\_\_\_ Ch 2 \_\_\_\_\_ Ch 3 \_\_\_\_\_  
 Sensitivity Pot.: 5.19 \_\_\_\_\_  
 Run No. 1 of 1

Remarks: \_\_\_\_\_

**WELL INFORMATION**

Well No. (USGS): CB-28-BH Other: \_\_\_\_\_  
 Map or Quad DAIRWAY Hill  
 Site description SBH Sec 30  
T. 31 N. R. 19 W.  
 Agency or Owner: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Altitude of L.S.: 7,060 ft  
 Log M.P. \_\_\_\_\_ LOG TD: 820 ft  
 Btm log interval: \_\_\_\_\_ ft  
 Top log interval: \_\_\_\_\_ ft Well TD: \_\_\_\_\_ ft  
 Type of finish: \_\_\_\_\_  
 Casing: Elev. of top \_\_\_\_\_ ft/in Above Below L.S.

I.D. \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ type \_\_\_\_\_  
 I.D. \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ type \_\_\_\_\_  
 I.D. \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ type \_\_\_\_\_

Cement: from \_\_\_\_\_ to \_\_\_\_\_

Perf. interval(s) from \_\_\_\_\_ to \_\_\_\_\_ type \_\_\_\_\_  
 Open hole diameter: From \_\_\_\_\_ to \_\_\_\_\_

Fluid level: 1100 in Above Below L.S., Top Csg  
 At \_\_\_\_\_

Fluid type: water ohm-m temp \_\_\_\_\_ °F, °C  
 Fluid resist.: \_\_\_\_\_  
 Driller: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Type of rig: \_\_\_\_\_  
 Date started: \_\_\_\_\_  
 Aquifer or formation: \_\_\_\_\_ completed

NOTE: This log is not to be used to fulfill private contractual obligations.

Other data and logs available for this well: \_\_\_\_\_

**ELECTRIC LOG**

TYPE: RESISTANCE DATE: \_\_\_\_\_  
 LOCATION: State WYO County \_\_\_\_\_ Town \_\_\_\_\_ FILE LOCATION NO.: \_\_\_\_\_

**LOGGING INFORMATION**

Operator(s) L. SHARFF  
 Equipment address: USGS, DENVER  
 Logger type: \_\_\_\_\_ No. \_\_\_\_\_  
 Tool type: \_\_\_\_\_  
 Tool length, cable head to measuring point: 6 ft  
 Calibration: see log  
 Logging speed: 17 ft/min up down  
 Log vert. scale: 10 ft/in

**SINGLE POINT RESISTANCE**

Scale switch (range): 100 ohms  
 Position Pot. (base, zero, or suppression): 5.22 Dial Div.  
 Sensitivity Pot. (Span): \_\_\_\_\_ Dial Div.  
 Actual scale: \_\_\_\_\_ ohms chart div (or) \_\_\_\_\_  
 (circle as applicable)

**RESISTIVITY**

inch normal \_\_\_\_\_ inch normal \_\_\_\_\_  
 (other resistivity) \_\_\_\_\_  
 Scale switch: \_\_\_\_\_ ohm-meters  
 Position Pot.: \_\_\_\_\_ dial div.  
 Sensitivity Pot.: \_\_\_\_\_ dial div.  
 Actual scale: \_\_\_\_\_ ohm-m chart div (or) \_\_\_\_\_  
 (circle as applicable)

**SPONTANEOUS POTENTIAL**

Scale switch: \_\_\_\_\_ millivolts  
 Position Pot.: \_\_\_\_\_ dial div.  
 Sensitivity Pot.: \_\_\_\_\_ dial div.  
 Actual scale: \_\_\_\_\_ mV chart div (or) \_\_\_\_\_  
 (circle as applicable)

**RECORDER SETTINGS**

Position Pot.: \_\_\_\_\_ Ch 1 \_\_\_\_\_ Ch 2 \_\_\_\_\_ Ch 3 \_\_\_\_\_  
 Sensitivity Pot.: \_\_\_\_\_  
 Run No. \_\_\_\_\_ of \_\_\_\_\_

Remarks: \_\_\_\_\_

**WELL INFORMATION**

Well No. (USGS): CB-28-BH Other: \_\_\_\_\_  
 Map or Quad \_\_\_\_\_  
 Site description \_\_\_\_\_  
 Agency or Owner: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Altitude of L.S.: \_\_\_\_\_  
 Log M.P. \_\_\_\_\_  
 Btm log interval: \_\_\_\_\_ ft Well TD: \_\_\_\_\_ ft  
 Top log interval: \_\_\_\_\_ ft  
 Type of finish: \_\_\_\_\_  
 Casing: Elev. of top \_\_\_\_\_ ft/in Above Below L.S.

I.D. \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ type \_\_\_\_\_  
 I.D. \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ type \_\_\_\_\_  
 I.D. \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ type \_\_\_\_\_

Cement: from \_\_\_\_\_ to \_\_\_\_\_

Perf. interval(s) from \_\_\_\_\_ to \_\_\_\_\_ type \_\_\_\_\_  
 Open hole diameter: From \_\_\_\_\_ to \_\_\_\_\_

Fluid level: \_\_\_\_\_ ft/in Above Below L.S., Top Csg  
 At \_\_\_\_\_

Fluid type: \_\_\_\_\_ ohm-m temp \_\_\_\_\_ °F, °C  
 Fluid resist.: \_\_\_\_\_  
 Driller: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Type of rig: \_\_\_\_\_  
 Date started: \_\_\_\_\_  
 Aquifer or formation: \_\_\_\_\_ completed

NOTE: This log is not to be used to fulfill private contractual obligations.

Other data and logs available for this well: \_\_\_\_\_

