

Figure 9.—Spontaneous potential, resistivity, and gamma-gamma density log for drill-hole CB-27-1RH

ELECTRIC LOG		U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION	
TYPE: <u>SPY-3A RES.</u>	DATE: _____	District or Project: _____	FILE LOCATION NO.: _____
LOCATION: State: <u>WYO</u>	County: _____	Town: _____	
LOGGING INFORMATION		WELL INFORMATION	
Operator(s): <u>L. S. HOFF</u>	Equipment address: <u>USGS, BOULDER</u>	Well No. (USGS): <u>CB-27HH</u>	Other: _____
Logger type: _____	No. _____	Map or Quad: <u>HALEWAY HILL</u>	Site description: <u>NW 1/4 Sec. 20 T. 21N., R. 79W.</u>
Tool type: _____		Agency or Owner: _____	Address: _____
Tool length, cable head to measuring point: <u>6 ft 6 in</u>		Altitude of L.S.: <u>6,950 EL</u>	Log M.P.: <u>WATD 233</u>
Calibration: <u>500 CPS</u>	up down	Perf. interval: _____ ft	Well TD: _____ ft
Log vert. scale: <u>10</u> ft/in		Type of finish: _____	
MODULE SETTINGS		Casing: Elev. of top _____ ft/in Above Below L.S.	
SINGLE POINT RESISTANCE		I.D. _____, from _____ to _____, type _____	
Scale switch (range): <u>100</u> ohms	Position Pot. (base, zero, or suppression): <u>5.30</u> Dial div.	I.D. _____, from _____ to _____, type _____	
Sensitivity Pot. (Span): <u>2.00</u> Dial div.	Sensitivity Pot.: _____ Dial div.	I.D. _____, from _____ to _____, type _____	
Actual scale: _____ ohms chart div (or) _____ full scale (circle as applicable)		Cement: from _____ to _____	
RESISTIVITY		Perf. interval(s) from _____ to _____, type _____	
_____ inch normal (other resistivity)	_____ inch normal	Open hole diameter: from _____ to _____	
Scale switch: _____ ohm-meters	Scale switch: _____ ohm-meters	Fluid level: <u>48.00</u> in Above Below L.S., Top Csg	
Position Pot.: _____ dial div.	Position Pot.: _____ dial div.	Fluid type: <u>Water</u>	
Sensitivity Pot.: _____ dial div.	Sensitivity Pot.: _____ dial div.	Fluid resist.: _____ ohm-m	
Actual scale: _____ ohm chart div (or) _____ full scale (circle as applicable)	Actual scale: _____ ohm chart div (or) _____ full scale (circle as applicable)	Address: _____	
SPONTANEOUS POTENTIAL		Type of rig: _____	
Scale switch: <u>100</u> millivolts	Position Pot.: _____ dial div.	Date started: _____ completed _____	
Position Pot.: <u>4.38</u> dial div.	Sensitivity Pot.: _____ dial div.	Aquifer or formation: _____	
Actual scale: _____ mV chart div (or) _____ full scale (circle as applicable)		NOTE: This log is not to be used to fulfill private contractual obligations.	
RECORDER SETTINGS		Other data and logs available for this well: _____	
Position Pot.: _____ Ch 1 _____ Ch 2 _____ Ch 3 _____	Sensitivity Pot.: _____		
Run No. _____ of _____			
Remarks: _____			

NUCLEAR LOG		U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION	
TYPE: <u>DENSITY</u>	DATE: _____	District or Project: _____	FILE LOCATION NO.: _____
LOCATION: State: <u>WYO</u>	County: _____	Town: _____	
LOGGING INFORMATION		WELL INFORMATION	
Operator(s): _____	Equipment Address: _____	Well No. (USGS): <u>CB-27HH</u>	Other: _____
Logger type: _____	No. _____	Map or Quad: _____	Site description: _____
Tool type: _____		Agency or Owner: _____	Address: _____
Source type: _____	C: _____ MC _____	Altitude of L.S.: _____	Log M.P.: _____
Source spacing: _____		Perf. interval: _____ ft	Well TD: _____ ft
Tool length, cable head to detector: _____ ft		Type of finish: _____	
Calibration: _____ cps	ft/min up down	Casing: Elev. of top _____ ft/in Above Below L.S.	
Log vert. scale: _____ ft/in		I.D. _____, from _____ to _____, type _____	
MODULE SETTINGS		I.D. _____, from _____ to _____, type _____	
Scale switch (rate or counts): <u>50000</u> chart div (or) _____ full scale (circle as applicable)		Cement: from _____ to _____	
T. C. switch: <u>4</u> sec.	Position Pot. (Base, zero, or suppression): <u>9.92</u> Dial Div.	Perf. interval(s) from _____ to _____, type _____	
Sensitivity Pot. (Span): <u>5.92</u> Dial Div.	Sensitivity Pot.: _____ Dial Div.	Open hole diameter: from _____ to _____	
Discrimination Pot.: <u>5</u> volts	Discrimination Pot.: _____ cps	Fluid level: _____ ft/in Above Below L.S., Top Csg	
Input pulse: <u>1.5</u> volts; Polarity: <u>POS.</u>	Output switch: _____ cps chart div (or) _____ full scale (circle as applicable)	Fluid type: _____	
Actual scale: _____ cps chart div (or) _____ full scale (circle as applicable)		Fluid resist.: _____ ohm-m	
RECORDER SETTINGS		Address: _____	
Position Pot.: _____ Ch 1 _____ Ch 2 _____ Ch 3 _____	Sensitivity Pot.: _____	Type of rig: _____	
Run No. <u>1</u> of <u>1</u>		Date started: _____ completed _____	
Remarks: _____		Aquifer or formation: _____	
		NOTE: This log is not to be used to fulfill private contractual obligations.	
		Other data and logs available for this well: _____	

