

Figure 19.—Spontaneous-potential, resistivity, and gamma-gamma density log for drill-hole CB-31A-C

<b>ELECTRIC LOG</b>		U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION	
TYPE: <u>SP &amp; RESISTANCE</u> DATE: <u>8-2-79</u>		District or Project: _____	
LOCATION: State: <u>WYO.</u> County: <u>CARBON</u> Town: _____		FILE LOCATION NO.: _____	
<b>LOGGING INFORMATION</b>		<b>WELL INFORMATION</b>	
Operator(s): <u>L. SHORFF</u>		Well No. (USGS): <u>CB-31A-C</u>	
Equipment address: <u>USGS, DENVER</u>		Other: _____	
Logger type: _____ No. _____		Map or Quad: <u>CARBON</u>	
Tool type: _____		Site description: <u>Sec 28</u>	
Tool length, cable head to measuring point: <u>6 ft 6 in</u>		Agency or Owner: <u>F. J. R. BAW.</u>	
Calibration: <u>500 Log</u>		Address: _____	
Logging speed: <u>20 ft/min</u> up down		Altitude of L.S.: <u>7480 EL</u>	
Log vert. scale: <u>10 ft/in</u>		Log M.P.: _____	
<b>MODULE SETTINGS</b>		Bm log interval: _____ ft	
<b>SINGLE POINT RESISTANCE</b>		Top log interval: _____ ft	
Scale switch (range): <u>100</u> ohms		Type of finish: _____	
Position Pot. (base, zero, or suppression): <u>5.48</u> Dial div.		Casing: Elev. of top _____ ft/in	
Sensitivity Pot.: <u>9.24</u> Dial div.		Below L.S.	
Actual scale: <u>9</u> ohm-chart div (or) full scale (circle as applicable)		I.D. _____ from _____ to _____ type _____	
<b>RESISTIVITY</b>		I.D. _____ from _____ to _____ type _____	
_____ inch normal (other resistivity)		Cement: From _____ to _____	
Scale switch: _____ ohm-meters		Perf. interval(s) from _____ to _____ type _____	
Position Pot.: _____ dial div.		Open hole diameter: _____ from _____ to _____	
Sensitivity Pot.: _____ dial div.		Fluid level: <u>140</u> ft/in Above _____	
Actual scale: _____ ohm-chart div (or) full scale (circle as applicable)		Below L.S., Top Csg	
<b>SPONTANEOUS POTENTIAL</b>		Fluid type: <u>WATER</u> ; temp _____ °F, °C	
Scale switch: <u>100</u> millivolts		Fluid resist.: _____ ohm-m	
Position Pot.: <u>5.41</u> dial div.		Driller: <u>STEVE ROBERTS</u>	
Sensitivity Pot.: <u>8.41</u> dial div.		Address: <u>USGS, DENVER</u>	
Actual scale: <u>33</u> mV-chart div (or) full scale (circle as applicable)		Type of rig: <u>ROTARY</u>	
<b>RECORDER SETTINGS</b>		Date started: <u>8-1-79</u> completed <u>8-2-79</u>	
Ch 1 _____ Ch 2 _____ Ch 3 _____		Aquifer or formation: _____	
Position Pot.: _____		NOTE: This log is not to be used to fulfill private contractual obligations.	
Sensitivity Pot.: _____		Other data and logs available for this well: _____	
Run No. <u>1</u> of <u>1</u>			
Remarks: _____			

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<b>NUCLEAR LOG</b>		U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION	
TYPE: <u>GAMMA-GAMMA</u> DATE: <u>8-2-79</u>		District or Project: _____	
LOCATION: State: <u>WYO.</u> County: <u>CARBON</u> Town: _____		FILE LOCATION NO.: _____	
<b>LOGGING INFORMATION</b>		<b>WELL INFORMATION</b>	
Operator(s): <u>L. SHORFF</u>		Well No. (USGS): _____	
Equipment address: _____		Other: _____	
Logger type: _____ No. _____		Map or Quad: _____	
Detector type: _____		Site description: _____	
Source type: _____		Agency or Owner: _____	
Source size: _____ C; _____ MC		Address: _____	
Source spacing: _____		Altitude of L.S.: _____	
Tool length, cable head to detector _____ ft in		Log M.P.: _____	
Calibration: _____ cps		Log ID _____ ft	
Logging speed: _____ ft/min up down		Bm log interval: _____ ft	
Log vert. scale: _____ ft/in		Top log interval: _____ ft	
<b>MODULE SETTINGS</b>		Type of finish: _____	
Scale switch (rate or counts): <u>500</u> cps chart div (or) full scale (circle as applicable)		Casing: Elev. of top _____ ft/in	
T. C. switch: <u>4</u> sec.		Above L.S.	
Position Pot. (Base, zero, or suppression): <u>10</u> Dial Div.		I.D. _____ from _____ to _____ type _____	
Sensitivity Pot.: <u>5.17</u> Dial Div.		I.D. _____ from _____ to _____ type _____	
Discrimination Pot.: <u>5</u> Dial Div.		Cement: From _____ to _____	
Input pulse: <u>15</u> volts; Polarity <u>POS.</u>		Perf. interval(s) from _____ to _____ type _____	
Output switch: <u>normal</u> reverse		Open hole diameter: _____ from _____ to _____	
Actual scale: _____ cps-chart div (or) full scale (circle as applicable)		Fluid level: _____ ft/in Above _____	
<b>RECORDER SETTINGS</b>		Below L.S., Top Csg	
Ch 1 _____ Ch 2 _____ Ch 3 _____		Fluid type: _____	
Position Pot.: <u>5.19</u>		Fluid resist.: _____ ohm-m	
Sensitivity Pot.: <u>5.00</u>		Driller: _____	
Run No. <u>1</u> of <u>1</u>		Address: _____	
Remarks: _____		Type of rig: _____	
		Date started: _____ completed _____	
		Aquifer or formation: _____	
		NOTE: This log is not to be used to fulfill private contractual obligations.	
		Other data and logs available for this well: _____	

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