R.88 W.

R.87 W.

T.
17
N.

Rocks older than limestone bed A

25

Rocks younger than limestone bed A

36

500 0 500 1000 Feet

EXPLANATION

Isoradioactivity contours are drawn on limestone bed A. Radiation values are expressed in multiples above normal background, which was determined to be 0.006 milliroentgen per hour on the Cloverly sandstone as recorded by a scintillation detector, model SM-3A, set for a 10-second integrated reading. Contours were drawn from data obtained with this same instrument using the average reading observed at recording stations located about 100 feet apart throughout the area. Locally high radioactivity is plotted as "hot spots."

Radiation values expressed as multiples above background and corresponding scintillation-detector readings.

Isoradioactivity contours		"Hot spots"		
Multiples above background	Scintillation-detector readings (mr per hr)		Multiples above background	Scintillation-detector readings (mr per hr)
2– 4	0.012–0.024	▽	32– 64	0.192–0.384
4– 8	0.024–0.048	□	64–128	0.384–0.768
8–16	0.048–0.096	○	128–256	0.768–1.546
16–32	0.096–0.192	*	256–512	1.536–3.072

Base map compiled from planetable map and pace traverses

ISORADIOACTIVITY MAP OF A PART OF THE MILLER HILL AREA, CARBON COUNTY, WYOMING

510523 O—60 (In pocket) No. 1