

| | Basalt or Andesite | Pyrite basalt & gabbro | Nepheline Gabbro | ROCK TYPES | | | | illite ^{regular} smectite | | |
|------|-----------------------|---------------------------|---------------------|------------|----|-----------|------------|------------------------------------|------------|--------------|
| 8-9 | PM | VM | M | M | TR | Rectante | 258 100 | 12.4 30 | 4.47 80 | see 7-330 |
| 8-11 | MM | M | M | | | Mordenite | | | | |
| 8-13 | MM | M | M | TR? | | | | | | |

Dear Sue → I was able to look at only 3 samples in the getaway madness, but hopefully they're representative. These are really rough rx to begin with, and I should probably look them over again when I get back.

In the interim, a couple of observations:

- ① The high Fe/Ti ^w content dramatically diminishes the plag. & glc. peak intensities. There's probably no glass left in these rx, so after you've quantified everything else, using petrography & XRD, plagioclase is probably what's left over.
 - ② There's a lot more clinopyroxene than first meets the eye (primary/veiled)
 - ③ ditto for sphene/ferroxene
- call me anytime! Good luck, and I'll see you back so we can confer more readily!

Daniel Carnie

31-17-1 thru-section

9-2 epi. at surface } Quaternary rock?
and -3

↓
xenolith? and circle

Jim Reynolds. — Denver

~~chlorite attacking cpx.~~

↑ in vein or is it metamorphic?

check vein → 8000 ft 31-17 group
with Jeff

cpx plus some weird mineral Jim Reynolds
couldn't identify but did get fluid inclusion data
from

okay to take some photos for in-house use. of 17 group