# Cover letter to the Editor

Manuscript title: Dealing with Unique Minerals in Petrophysical Logs

Name of the Corresponding Author: Munish Kumar

Name(s) of all other authors: Ryan Isaac Lazaroo

Type of Manuscript: Full Length Article

This manuscript is appropriate for *Geoenergy Science and Engineering* as to this authors knowledge, very little use data/understanding is available on how to deal with minerals like opals or tuffs, especially in situations where there have encountered producible hydrocarbon quantities.

As practicing energy professionals, we are interested in sharing our expertise and knowledge through the use of such case studies, where we wish to highlight how we went about tackling complexities such as those we encountered in these wells. In this case, we also wish to highlight how we dealt with both modern western logs and old “Russian style” logs, and that petrophysical workflows must be modified depending on the circumstances encountered.

Importantly, however, we have realized, through this work, that having a holistic understanding of scales (pore to log scale, which spans multiple orders of magnitude), is key in forming a complete understanding of how such challenging reservoirs should be tackled, and how workflows should be designed around the available data. This makes our work important and the journal the appropriate avenue to publish it.

The manuscript has been checked by a native English speaker with expertise in the field of energy. In this author’s opinion, this work would appeal to both a popular audience and scientific audience.

The manuscript has not been previously rejected by *Geoenergy Science and Engineering* or any other Elsevier journal. The manuscript, or its contents in some other form, has not been published previously by the author and is not under consideration for publication in another journal at the time of submission. No graphics need be published in color, and the manuscript does not have any supporting information and/or Review-Only Material.

Yours sincerely,

Munish Kumar

March 16, 2023