

Pore-scale imaging and characterization of hydrocarbon reservoir rock wettability at subsurface conditions using X-ray microtomography

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First of all, we would like to thank the Editor for the valuable points that was raised. Hopefully the revised version of the paper and the point-by-point response have addressed all the concerned raised. Below is the point-by-point response to editorial comments.

Editorial comments:

1. The editor has formatted the manuscript to match the journal's style. Please retain the same.
[The manuscript format was retained the same to match the journal style.](#)

2. Please address specific comments marked in the manuscript.
[All of the comments in the manuscript have been addressed and the manuscript content was modified accordingly.](#)

3. Our hard cut limit for protocol section is 10 pages including heading and spacings. Please ensure your protocol fits that limit. Presently it's more than that.
[The length of the protocol section has been reduced to 9 pages.](#)

4. The Protocol should contain only action items that direct the reader to do something. Please avoid making redundant steps. There are many places where the steps can be combined into one. I have made extensive comments for section 1. Please use this as an example and make changes throughout the protocol section.
[We would like to thank the editor for the useful comments. The Protocol section has been revised thoroughly following the provided editorial comments as an example. Only action items that direct the reader to do something were included and other steps that might not be necessary have been removed.](#)

5. For highlighting, please highlight concrete steps and complete sentences. Also, please check that the highlight is no more than 2.75 including heading and spacings.
[Only concrete steps and complete sentences have been highlighted now. The highlighted text is less than 2.75 pages including headings and spacing. All scripting steps and calculation steps that cannot be filmed were not highlighted.](#)

6. Please include all relevant details that are required to perform the step in the highlighting. For example: If step 2.5 is highlighted for filming and the details of how to perform the step are given in steps 2.5.1 and 2.5.2, then the sub-steps where the details are provided must be highlighted.
[All relevant details that are required to perform protocol steps were highlighted. In some points, the extra details in the sub-steps were not highlighted that are not necessary needed for](#)

filming but could be useful for the reader. Only critical steps were highlighted that form a cohesive narrative with a logical flow.

7. Please also check that the figures are referenced in the order of their numbering. Please also see that the figure number and the legends match. Figure 9, 10: X-axis is cut out.

The figures were referenced in the order of their numbering.

All figure numbering and legends are matching now.

Figure 6 (previously known as Figure 10) and Figure 10 (previously known as Figure 9) were reproduced again and they are presented without any cut out.