

# SPE Journals Supporting Information Submission Template (LaTeX)

## Overview

This template should be used to organize your supporting information. Our intention is to provide a clearly organized PDF file that will ensure readers can easily navigate to sections or specific figures and tables. During the submission process, select the “Supplementary File” designation and upload the PDF output of this template. Dynamic content such as movie files or large datasets should be provided as separate files. For more information reference our [Peer-Reviewed Journals Submission Checklist](#).

## Using this template

1. Update the title and author fields.
2. Incorporate all supporting text, figures, tables, and captions into this document.
3. Upload datasets, movies, and other dynamic content files separately using the journal’s submission portal. However, file names and captions should be included in this template.
4. Include all references in the reference list of the main paper so that they can be indexed, linked, and counted as citations.
5. A content summary will automatically generate on the title page with relevant descriptions of your supporting information.

## Formatting tips

- Figures and tables should appear above their captions.
- Remove content that does not apply to your submission.
- Large tables should be provided as a separate dataset file (preferably .xlsx or .csv format).

**Delete this page by removing the `\instructionspage` command from the `SPE-template-SI.tex` file (line 21), and save your completed SI file as a PDF for submission.**



# Supporting Information for

## Your main manuscript title

A. B. Author, Affiliation; B. C. Author, Affiliation; and D. E. Author, Affiliation

**Corresponding Author: INSERT NAME**

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### Contents of this file:

Supplementary text

Figs. S1 to S2

Table S1

Captions for Movies S1 to S3

Captions for Dataset S1 to S2

References

### Additional supporting information (files uploaded separately):

Movies S1 to S3

Datasets S1 to S2

## Supporting Information Text

**Introduction.** Type or paste text here. The introduction gives a brief overview of the supporting information. You should include information about as many of the following as possible (when appropriate): a general overview of the kind of data files; information about when and how the data were collected or created; a general description of processing steps used; any known imperfections or anomalies in the data.

### Text S1

This should be additional explanatory text, such as: extended descriptions of results, full details of models, extended lists of acknowledgements etc. It should not be additional discussion, analysis, interpretation or critique. It should not be an additional scientific experiment or paper.

**Replace with desired subsection heading.** Type or paste text here. You may break this section up into subheads as needed (e.g., one section on “Materials” and one on “Methods”).

**Citations.** LaTeX formats citations and references automatically using the bibliography records in your .bib file, which you can edit via the project menu. Use the cite command for an inline citation, like [Kar et al. \(2020\)](#), [Bérard et al. \(1994\)](#), [Olsen and Stensland \(1992\)](#), [\(Varga and Edmonds, 2016\)](#) and [Baklouti et al. \(2015\)](#), and the citep command for a citation in parentheses ([Kar et al., 2020](#)). **Remember: references included in supporting information must also be referenced in the main paper so that they can be indexed, linked, and counted as citations.**

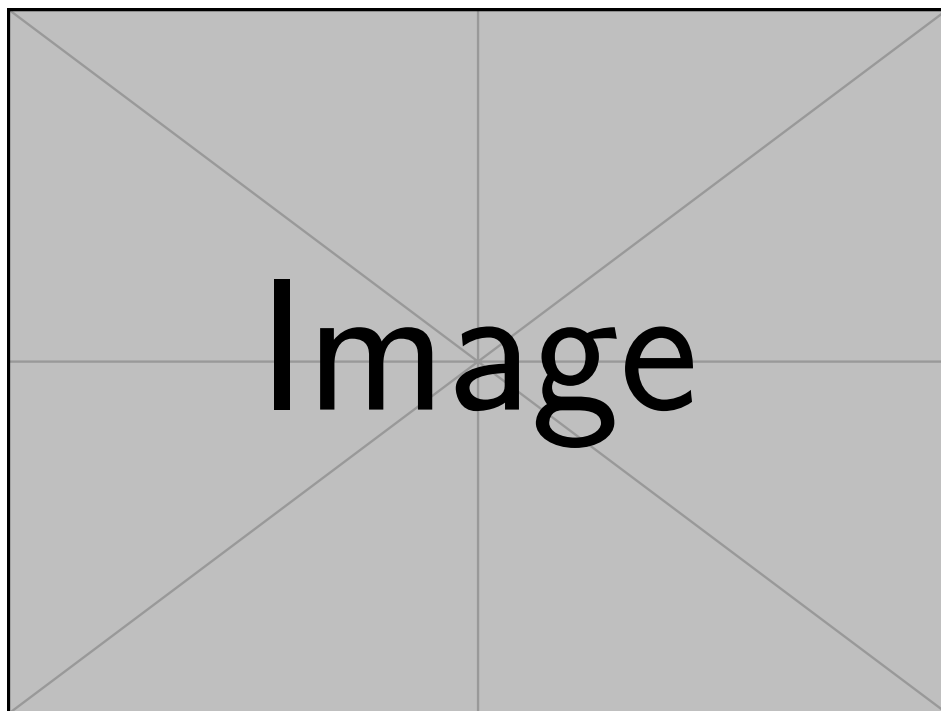
**Materials.** Add a materials subsection if you need to.

**Methods.** Add a methods subsection if you need to.

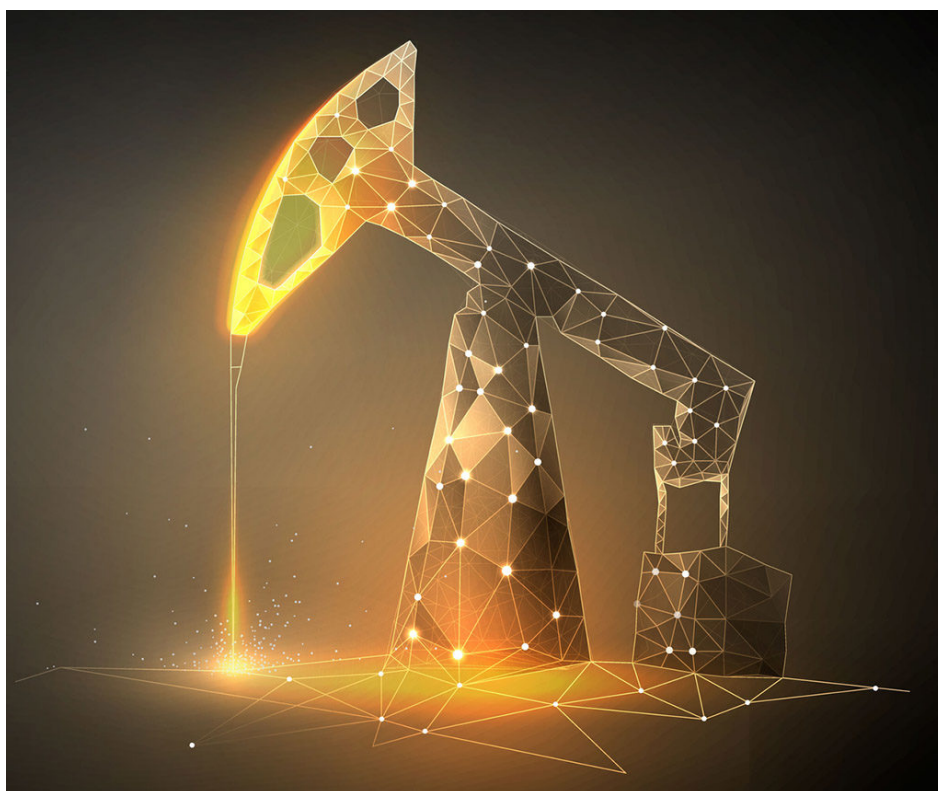
L<sup>A</sup>T<sub>E</sub>X is great at typesetting mathematics. Let  $X_1, X_2, \dots, X_n$  be a sequence of independent and identically distributed random variables with  $E[X_i] = \mu$  and  $\text{Var}[X_i] = \sigma^2 < \infty$ , and let

$$S_n = \frac{X_1 + X_2 + \dots + X_n}{n} = \frac{1}{n} \sum_i^n X_i$$

denote their mean. Then as  $n$  approaches infinity, the random variables  $\sqrt{n}(S_n - \mu)$  converge in distribution to a normal  $\mathcal{N}(0, \sigma^2)$ .



**Fig. S1** – First figure



**Fig. S2** – Second figure

Measurement	Shale X	Shale Y
Density	2.4	2.0
Porosity	19	40
Water content	10	19.3
Clay content	44	59.7

**Table S1** – Petrophysical and rock mechanical key parameters of Shale X and Shale Y

Movie S1. Type or paste caption here.

Movie S2. Type or paste caption here.

Movie S3. Type or paste caption here.

Dataset S1. Type or paste caption here.

Dataset S2. Type or paste caption here.

## References

- Baklouti, N., Gargouri, B., and Jmaiel, M. (2015). Towards patterns-based linguistic web service composition. In *Computer Systems and Applications (AICCSA), 2015 IEEE/ACS 12th International Conference of*, pages 1–6. IEEE.
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