

**Review Form 1.7**

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|--------------------------|---|
| Journal Name:            | <b>Journal of Energy Research and Reviews</b>   |
| Manuscript Number:       | <b>Ms_JENRR_107598</b>  |
| Title of the Manuscript: | <b>Machine Learning-Based Models for BS&amp;W and Sand-cut Prediction in Matured Niger Delta Fields</b> |
| Type of the Article      |   |

**PART 1: Review Comments**

|  | <b>Reviewer's comment</b>  | <b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|--|--|---|
| <p><b><u>Compulsory</u></b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b><br/>(Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b><br/>(If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p> | <p>The study developed neural-based models to predict BS&amp;W and Scut based on multiple-inputs single-output (MISO) and multiple-inputs multiple-outputs (MIMO) networks using 457 datasets from 43 oilfields in the Niger Delta. This may assist in the prediction of sand and BS&amp;W in that field.</p> <p>The title of the paper is okay</p> <p>The abstract is very comprehensive</p> <p>The subsections and structure of the manuscript are appropriate</p> <p>The manuscript is scientifically correct</p> <p>The references are sufficient and recent</p> |   |
| <p><b><u>Minor</u></b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>  | <p>The language is okay</p>  |   |
| <p><b><u>Optional/General</u></b> comments</p>   | <p>The major comments are captured in the work</p>   |   |

**PART 2:**

|  | <b>Reviewer's comment</b>   | <b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| <p><b>Are there ethical issues in this manuscript?</b></p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> |   |

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**Reviewer Details:**

|                                  |  |
|----------------------------------|--|
| Name:                            | <b>Richard Amorin</b>                            |
| Department, University & Country | <b>University of Mines and Technology, Ghana</b> |