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| Journal Name: | [**Journal of Engineering Research and Reports**](https://journaljerr.com/index.php/JERR) |
| Manuscript Number: | **Ms\_JERR\_134114** |
| Title of the Manuscript: | **APPLICATION OF WATER ALTERNATING GAS INJECTION (WAG) FOR OIL RECOVERY IN THE NIGER DELTA** |
| Type of the Article | **Original research article** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | It is well known that a significant amount of oil known as residual oil saturation (Sor) is frequently left in the reservoir following the use of the primary and secondary recovery techniques. As a result, oil corporations are working to develop more efficient ways to extract these deposits. The goal of this study is to determine whether water-alternating-gas injection is more effective than gas injection or waterflooding techniques for the best possible oil recovery in the Niger Delta.Based on its recovery performance, which included the highest recovery factor and the least amount of water cut when compared to gas injection and waterflooding as stand-alone techniques, the results suggested that WAG injection was the most efficient recovery method for optimising oil recovery. | I strongly disagree with the reviewer that the section being referred to in this article is AI generated even though there are similar statements. However, that section is modified just to douse any conflict |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, it is.** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Yes, it is.** |  |
| Is the manuscript scientifically, correct? Please write here. | Yes. it is.. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | No , they aren't recent only one 2023. | No, that is not correct. There is 2024 reference in the list. Moreover, there are also 2019, 2018. these are not too old considering the subject being research. |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, it is. |  |
| Optional/General comments | Figure 1  Correction ;  Figure 2 , Figure 3 , Figure 4 and Figure 5.  Fig.2: Plot of FOE vs TIME (yrs) – Waterflooding, Gas and WAG Injection  Fig.3: Plot of FOPR vs TIME (yrs) – Waterflooding, Gas and WAG Injection  Fig.4: Plot of FOPT vs TIME (yrs) – Waterflooding, Gas and WAG Injection  Fig.5: Plot of FWCT vs TIME (yrs) – Waterflooding, Gas and WAG Injections  **Table.2: FOE Results for Waterflooding, Gas and WAG Injection**  **Correction :**  **Table 2 : FOE Results for Waterflooding, Gas and WAG Injection**  **FIGURES :**  **The figures are blurred**  **TABLES**  Original Oil in Place (OOIP) (STB)  35,665,294 ? Values , or .  Rock Compressibility (1/Psi)  5.00 \* 10-5  9  Water Compressibility (1/Psi)  5.00 \* 10-5  **multiplication product is X and not star \***  **References**  **References are not alphabetical order ( A-Z)**  References must be listed at the end of the manuscript and numbered in the order that they appear in the text. Every reference referred in the text must also present in the reference list and vice versa. In the text, citations should be indicated as **(Author name, year).**  **CORRECTIONS**  **Eliminate the text**  References must be listed at the end of the manuscript and numbered in the order that they appear in the text. Every reference referred in the text must also present in the reference list and vice versa. In the text, citations should be indicated as **(Author name, year).** | Figures are now correctly numbered  Changed as recommended  These figures are not blurred  STB is the unit of the OOIP  \* changed to x  \* changed to x  Done. References numbered |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)*  No. |  |