Review Form 1.7

Journal Name:	Asian Journal of Geological Research
Manuscript Number:	Ms_AJOGER_110798
Title of the Manuscript:	Compressibility Analysis and Geomechanical Characterization for CO2 Sequestration and Storage for Advancement of Health and Environment Protection. A Case of 'Jxt' Field, Niger Delta, Nigeria.
Type of the Article	Original Research Article

PART 1: Review Comments

	Reviewer's comment	Author's comment (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)
Compulsory REVISION comments	Yes, this study is important for scientific community. It combines global environmental concerns with localized applications, a multidisciplinary approach, significant findings, and	,
1. Is the manuscript important for scientific community?	practical implications.	
(Please write few sentences on this manuscript)	2. Yes, the title of the article is suitable.	
(3. Yes, the abstract is comprehensive. It effectively outlines the key components of the study,	
2. Is the title of the article suitable?	including the background, objectives, methods, and findings.	
(If not please suggest an alternative title)	4. The structure of the manuscript is appropriate. However, there is "2.2.2. Geomechanics"	
	subsection on Page 5, and it is the only subsection expressed by number. Please	
3. Is the abstract of the article comprehensive?	standardize the representation of sections and subsections.	
	5. Yes, the manuscript is scientifically correct.	
4. Are subsections and structure of the manuscript appropriate?	6. In the introduction section, there is no reference to the harmful effects of CO ₂ and the	
	importance of CO ₂ storage. It is recommended to include recent references on CCUS	
5. Do you think the manuscript is scientifically correct?	(Carbon Capture, Utilization, and Storage) in this section to enhance the academic support	
	of the content. Suggested references:	
6. Are the references sufficient and recent? If you have suggestion of	Yao et al. A Review of Recent Progress of Carbon Capture, Utilization, and Storage	
additional references, please mention in the review form.	(CCUS) in China. 2023, https://doi.org/10.3390/app13021169.	
(A new from above mentioned C nainte neviewers are from to provide	Chen et al. A critical review on deployment planning and risk analysis of carbon capture,	
(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)	utilization, and storage (CCUS) toward carbon neutrality. 2022, https://doi.org/10.1016/j.rser.2022.112537.	
	7. Figure 1 is missing, please add it to the manuscript.8. Please verify the accuracy of the letter forms in the expression of the formula.	
	9. Please pay attention to formatting issues.	
	9. Flease pay attention to formatting issues.	
Minor REVISION comments		
Is language/English quality of the article suitable for scholarly communications?	The English expression needs improvement.	
Optional/General comments		

PART 2:

		Author's comment (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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Created by: DR Checked by: PM Approved by: MBM Version: 1.7 (15-12-2022)

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Reviewer Details:

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Department, University & Country	University of Wyoming, US

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