

Review Form 1.7

Journal Name:	Asian Journal of Geological Research
Manuscript Number:	Ms_AJOGER_97014
Title of the Manuscript:	ESTIMATION OF PETROPHYSICAL PARAMETERS USING 3-D SEISMIC DATA FROM A FIELD IN NIGER DELTA, NIGERIA
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://journalajoger.com/index.php/AJOGER/editorial-policy>)

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 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)	1. "ESTIMATION OF PETROPHYSICAL PARAMETERS USING 3-D SEISMIC DATA FROM A FIELD IN NIGER DELTA, NIGERIA" –this topic is very innovative and important for scientific community. 2. The title of the article is also suitable in NIGERIA prospective. 3. The abstract of the article is comprehensive and but not perfectly organized. But need some grammatical correction. 4. The subsections and structure of the manuscript are appropriate and perfectly organized. 5. I think the manuscript is scientifically correct. Need an extra paragraph for total findings of the research paper. Please justify. 6. The number of references is 14 which is not sufficient for any journal paper. Please add some more references if required.	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	-Need to check grammatical and sentence structure before the final submission - In Conclusion researcher wrote :- -"An interval with low gamma ray, low volume of shale, high resistivity, low water saturation and low acoustic impedance was identified and mapped as potential hydrocarbon reservoir."- Explain and Justify. -"The results obtained also reveal that the reservoir sand has low volume of shale, high porosity, low water saturation, high permeability, high hydrocarbon saturation, low Vp/Vs ratio and low Poisson ratio which are characteristics of a typical hydrocarbon reservoir with high prospectivity and production." Explain and Justify.	
Optional/General comments	-Summary of all findings, results and conclusion part are not clear enough for submitting this paper. Please rewrite before final submission. -Add a section named summary of all findings if possible. If not explain and justify -What is the findings from all literature review? Explain and Justify. - Please rewrite the keywords. If not, justify. Keywords should be five to seven words. Keywords: well logs, seismic data, seismic inversion, petrophysical parameters.	

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PART 2:

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

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