

Review Form 1.7

Journal Name:	Asian Journal of Environment & Ecology
Manuscript Number:	Ms_AJEE_111882
Title of the Manuscript:	VOLUMETRIC ANALYSIS OF SELECTED RESERVOIRS IN OGBENU FIELD, NIGER DELTA, NIGERIA USING 3D SEISMIC AND WELL LOG DATA
Type of the Article	Original Research Article

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 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. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. Yes it is. Author(s) should however strongly emphasize the rationale or justification and significance of the present study. 2. Yes 3. There is room for improvement. I have provided areas where modifications/additions can be made to improve upon it. 4. The subsections and structure is appropriate. 5. Yes, but methods could be better and more comprehensively explained so that a wider audience can understand the nitty gritty (basis) of the work. 6. Reference is poor. Works have been carried out on petrophysical and volumetric analysis in several fields (both onshore and offshore) in the Niger Delta Basin. Relevant works from this pool should be added to this work to strengthen its scientific basis. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u> My Additional suggestions are presented under the optional/general comments. Refer to it below.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<ol style="list-style-type: none"> 1. Yes, except few minor language errors here and there that can be corrected during manuscript editing. 	
<p>Optional/General comments</p>	<p style="text-align: center;"><u>Areas to improve and strengthen the manuscript;</u></p> <p>A. Abstract</p> <ol style="list-style-type: none"> 1) The objectives/goals of the paper were stated but no justification was provided for it. 2) The results obtained in terms of actual volumetrics were not mentioned. The two gas and six oil bearing reservoirs identified should be volumetrically defined to ascertain the actual potentials of the reservoirs. <p>B. Introduction</p> <ol style="list-style-type: none"> 1) The author(s) should as much as possible present how their study differs to an extent (no matter how small) from existing studies or how their approach to achieving set goals of research improves on existing methods. <p>C. Petrophysical Analysis</p> <ol style="list-style-type: none"> 1) Specify the unit for reservoir thicknesses (weather in metres or feet) in Table 1. 2) How were you able to identify your reservoirs? This was not clearly explained in your write up. 3) Was permeability (K- value) also computed? Results for this important reservoir property were not mentioned. 4) What are the implications for the obtained porosity values? Try and compare with 	

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	Rider's qualitative interpretational templates. D. <u>Conclusion</u> 1) The major accomplishments of the study should be highlighted briefly here. 2) Again, the implications of the results achieved must be stated most especially as regards oil and gas exploration objectives in the area (field).	
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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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