



**SDI Review Form 1.6**

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|--------------------------|---|
| Journal Name:            | <a href="#">Physical Science International Journal</a>    |
| Manuscript Number:       | 2015_PSIJ_16512   |
| Title of the Manuscript: | 3D STRUCTURAL ANALYSIS OF OTU FIELD, NIGER DELTA, NIGERIA |
| Type of the Article      | Case Study  |

**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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**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> |
|--|---|---|
| <b><u>Compulsory</u></b> REVISION comments | <ul style="list-style-type: none"> <li>- All figures need to be in high resolution.</li> <li>- Figs. 7a &amp; 7b need horizontal scale and a location map of these well correlation profiles.</li> <li>- Figs 8 &amp; 9 need vertical and horizontal scale and also the author should locate this profile in a map.</li> <li>- Fig. (10) needs horizontal scale and also variance attribute color bar.</li> </ul>   | Figure 10: Variance time slice with fault sticks. It does not need a colour bar.  |
| <b><u>Minor</u></b> REVISION comments      | Curvature attributes are popular aids for interpreting geologic structure in seismic data. The author could use this type of attribute to confirm specially the roll-over anticline. Co-rendering coherence or variance and curvature attributes should be a more reliable method for interpreting complex geologic structures (Abdel-Fattah, Mohamed I., and Hamed A. Alrefaee. "Diacritical Seismic Signatures for Complex Geological Structures: Case Studies from Shushan Basin (Egypt) and Arkoma Basin (USA)." International Journal of Geophysics (2014)). Please consider the suggestions as they may improve the quality of the paper. | The work here is not purely attribute studies, attribute studies could be another study. In another study one can undertake the amplitude study of the field.                               |
| <b><u>Optional/General</u></b> comments    |   |   |