



SDI Review Form 1.6

Journal Name:	Advances in Research
Manuscript Number:	2013_AIR_8510
Title of the Manuscript:	Characteristics of Resistivity and Self-Potential Anomalies over Agbani Sandstone, Enugu State, Southeastern 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:

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



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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)
Compulsory REVISION comments	<p>Abstract Aim of the work not well stated in Abstract (suggested Aim: The research is aimed at using both Resistivity and Self Potential (SP) methods respectively to investigate the possible rock types cum lateral variations and their mineralogical potentials)</p> <p>Line 3: 'were' to replace 'was' Line 8: 'analysis' to be added after sediment Line 9: 'study are' to be added after geochemical</p> <p>Introduction Line 5: 'on' to replace 'in' Line 6: Ruwasa hydrogeologic technical reports not listed in the references</p> <p>Geology Line 3: 'It consists' to replace 'it is consist' Line 6: Source of the statement to be included</p> <p>Data Acquisition and Interpretation Line 3: 'configurations' to replace 'configuration'</p>	<p>That was a nice suggestion. Correction effected in the abstract and highlighted.</p> <p>Correction effected, highlighted yellow Correction effected, highlighted yellow Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p>

<p>Line 3: 'Figures' to replace 'Figure'</p> <p>Line 5: 'were' to replace 'was'</p> <p>Line 6: 'separation' to replace 'distance'</p> <p>Line 7: 'were' to replace 'was'</p> <p>Line 9: 'distance' to be deleted</p> <p>Line 9: 'ρ_a' to be added after resistivity</p> <p>Line 9: 'by' to be deleted</p> <p>Line 11: 'separation' to replace 'distance'</p> <p>Line 13: 'were' to replace 'was'</p>	<p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p>
<p>Result and Discussions</p> <p>Line 1: 'analysis' to be deleted</p> <p>Line 1: 'are' to replace 'is'</p> <p>Line 5: 'Figures' to replace 'Figure'</p> <p>Line 7: 'occupies' to replace 'occupy'</p> <p>Line 12: Beck 1981 not listed in references</p> <p>Line 15-16: incomplete sentence</p> <p>Line 17: 'profiles' to replace 'profile'</p>	<p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p>
<p>Conclusion</p> <p>Line 5-6: Source of the statement to be included</p> <p>Line 9: 'analysis' to be added after sediment</p> <p>Line 9: 'are' to replace 'is'</p>	<p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p>
<p>Acknowledgement</p> <p>Line 2: 'immense' to replace 'immersed'</p>	<p>Correction effected, highlighted yellow</p>
<p>References</p> <p>Line 3: incomplete sentence</p> <p>Line 5: Initial Capital case to be used as indicated</p>	<p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p>



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	<p>in manuscript attached</p> <p>Figure 2: position of North arrow is wrong (see manuscript attached)</p> <p>Figure 3: Legend for structures and buildings (see manuscript attached)</p> <p>Figure 11: Is the discontinuity in line plot as a result of inaccessibility due to presence of structures or a geologic effect. Author(s) should explain.</p>	<p>Correction effected, highlighted yellow</p> <p>Correction effected, highlighted yellow</p> <p>The discontinuity was as a result tarred roads cutting across the traverse.</p>
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<p><u>Minor</u> REVISION comments</p>	<ol style="list-style-type: none"> 1) Author(s) should explain how they arrived at the trapezoidal shape of the ore body from only measurements carried out along profiles. Simply they should include the source of the statement or delete it entirely. 2) In a 3D volume, just like the one in figure 2, North arrow should point parallel to the lines of Longitude (see attached manuscript for the correct arrow direction). 3) Is Agbani Sandstone a lateral equivalent, time equivalent or Sandstone member of Awgu Shale. Please cross check. 	<p>The trapezoidal shape was arrived at by comparing the SP anomaly shapes with conventional orebody shapes.</p> <p>Correction effected in figure 2.</p> <p>It is a lateral equivalent.</p>
<p><u>Optional/General</u> comments</p>	<p>Materials and Methods: The methods used by the author(s) are technically sound. Though the authors should endeavour to state the number of data points acquired per profile</p> <p>Results and Discussion:</p> <p>Results were properly presented and well discussed</p> <p>Conclusion:</p> <p>The conclusion is well supported by the data discussed in the manuscript.</p> <p>REFERENCES: Cited references are relevant and</p>	<p>Minimum of 50 data points per profile. Correction effected, highlighted yellow</p>



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	<p>adequate. Though two (2) references cited in text were not.</p> <p>Once the above comments are carefully adhered to and corrections effected, the paper can be published.</p>	<p>Correction effected, highlighted yellow</p>
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