

Review Form 1.6

Journal Name:	Asian Journal of Geological Research
Manuscript Number:	Ms_AJGER_68824
Title of the Manuscript:	Impact of Sedimentologic diagenesis on the Petrophysical evaluation of the reservoir rocks In BED-1 Field, Western Desert, Egypt
Type of the 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:

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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		
Minor REVISION comments	<ol style="list-style-type: none"> 1. This preposition here is incorrect. 2. This sentence is not written scientifically. Restructure this sentence. The main objective of petrophysical analysis of Kharita and Bahariya reservoirs, was to evaluate the petrophysical characteristics and sedimentologic diagnosis on hydrocarbon potentialities. 3. Rewrite this sentence. Kharita Formation illustrate a decrease shale volume eastward and while increasing southeastward, by the pay thickness increasing eastward. 4. This sentence appears difficult to read. Constituting 1000 to 1200 kilometers from the Mediterranean Sea shoreline extending to the north of the Sudanese border in the south by 600 to 800 kilometers east of the Nile valley to the Libyan border in the west. 5. Remove the north because you already said in the northern part.(28° latitude) offshore areas'. 6. Interestingly the oil and gas discovery in Egypt comes from the north of the Western Desert in the Nile petroleum province. 7. Doublecheck this spelling. What were you trying to spell? 8. This sentence is hard to read. Restructure "As a result of that, A sedimentological studies in the Bahariya Oasis was conducted giving rise to three major lithologic units. Unit one consisting of interbedded siltstones and sandstones (lower unit), while unit two is formed by cross-bedded amalgamated sandstone bodies (middle unit) and unit three is characterized by dark-colored ferruginous sandstones (upper unit). 9. Add comma before the "and" 10. This sentence is unclear. Rephrase " The sandstone samples' mineralogical composition from the Bahariya Formation , is mainly composed of quartz, kaolinite, plagioclase, and microcline. 11. The main objective of the Kharita and Bahariya reservoirs study in petrophysical analysis, is to evaluate the petrophysical characteristics and hydrocarbon potentialities with a combination of a systematic data analysis. 12. Close cannot combine with value. Change to comparable. 13. Rewrite this sentence " Howere, Bahariya Formation show a decrease in shale volume and by increasing the pay thickness toward the northeastern and southern direction. 	
Optional/General comments		

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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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