



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_30805
Title of the Manuscript:	SIMUALTION STUDY OF POLYMER FLOOD PERFORMANCE ON OIL RECOVERY: EFFECT OF PSEUDOPLASTICITY
Type of the Article	Original Research Article

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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.

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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	<ol style="list-style-type: none"> 1. In the part of introduction and literature review, the polymer flooding advances are not reviewed clearly. The authors don't point out the problems in polymer flooding simulation. The recent references are not reviewed in this part. 2. Polymer introduction in Eclipse simulation is not necessary in a paper for publish because I think for the commercial software, these functions are common for researchers who study polymer flooding simulation. 3. The authors used ECLIPSE 100 as a tool to study the effect of pseudoplasticity of polymer flooding on oil recovery, so the formulas presented in this paper are not established or derived by the authors, but just cited from the software user guide. So this part can be simplified. <p>In Figure 12, for water-wet rocks, the oil saturation is higher than that of oil-wet rocks at 1100days for Newtonian polymer. This is not a correct conclusion because for water-wet rocks, the sweep efficiency should be better than oil-wet rocks.</p>	<ol style="list-style-type: none"> 1. Polymer flooding advances have been reviewed and the problems in polymer flooding simulation have been pointed out. 2. This has been removed 3. It has been simplified 4. Figure 12 compare the oil saturation distribution at 1100 days for Newtonian polymer for both water-wet. Due to the favorable mobility ratio by polymer flood in water-wet reservoir, relatively higher contrast of oil saturation between swept and unswept regions exists in reservoir.
Minor REVISION comments		
Optional/General comments		