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| Book Name: | [**Science and Technology: Developments and Applications**](https://www.bookpi.org/bookstore/product/science-and-technology-developments-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4706** |
| Title of the Manuscript:  | **Mechanical performance of bentonite plugs in abandonment operations of petroleum wells** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This paper described a good experience in abandoned well drilling to introduce bentonite whith fluid stoping.** **It is a good paper and it is very interesting.** **I proposed but not obligatory to introduce a equation to modelling** Compressive strength (a) and adhesion (b) for the onshore plug before and after immersion in formation waters |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **It is ok.**  |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **It is ok. This article is compressive and describted good experienced.**  |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **It is ok.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **It is ok.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **It is ok.** |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | **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)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Chis Timur, Oil and Gas University, Romania**