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A study of gasoline flow through sand by changing the height, diameter and angle of cylindrical reservoir with respect to vertical

Ahmed Saadi^{*1}, Hamid Issa², Shihab Ahmed³, Saeed Ali⁴, Mohammed Said⁵, Noor Salim⁶, Tufool Amor⁷, Latifa Said⁸, Nada Mohammed⁹, Alyaa Musallam¹⁰ and Nidhal Ali¹¹
Dhofar University, Oman

In this work try to use different factors that effect on adsorption of gasoline from reservoirs. Study the effects of four inputs factors Angles, diameter, bed's volume and height of reservoirs on adsorption of gasoline from reservoirs. Design a new mathematical model to evaluate all important parameters that effect on the system. Compare between experimental and theoretical results to reach to the high accuracy 97% that represents a new mathematical model. Then, make optimization to use this technique to find best optimum conditions.

Keywords: Gasoline, Mathematical model, Adsorption, Reservoir, Optimization

