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THE EFFECT OF VARIABLE PERFORATION CONFIGURATION ON PROPPANT
TRANSPORT AND DISTRIBUTION USING SLICKWATER

by
Shabeeb Alajmei

For Figures 1.1 and 1.2

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Figure 1.3

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Successful Slickwater Fracs

Granite Wash
Cotton Valley Sands
Barnett Shale
Bossier Sand
Austin Chalk
Olmos Sand

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Figures 1.4 and 1.5


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Volume of serial or monograph	SPE-133456-MS	Issue, if republishing an article from a serial	NA
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Figure 1.6

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Editor of portion(s)	Michael J. Mayerhofer, Elyezer Pabibak Lolon, Jerry E. Youngblood, and James R. Heinze	Author of portion(s)	Society of Petroleum Engineers
Volume of serial or monograph	SPE-102103-MS	Issue, if republishing an article from a serial	NA
Page or page range of portion	5	Publication date of portion	2006-09-24

Figure 2.1, 2.2, and 2.3

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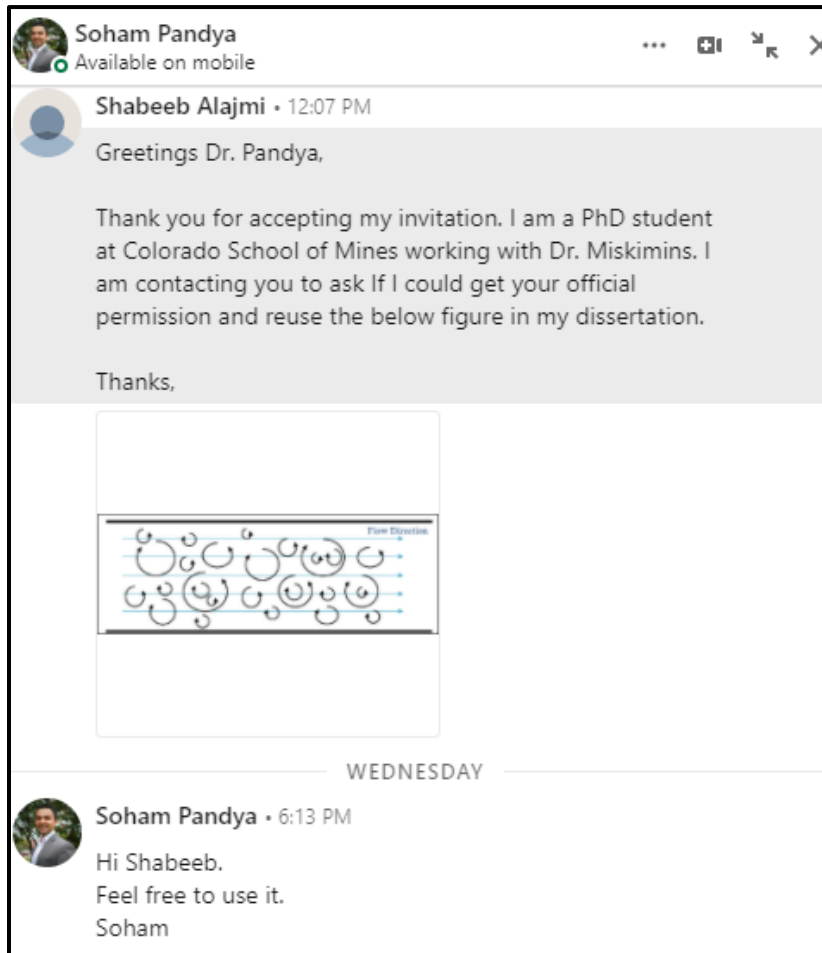


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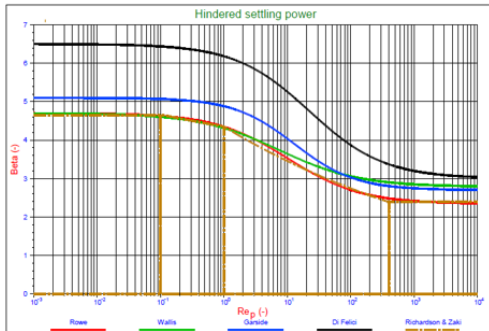


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This is a kind reminder.

I appreciate your help.

Best regards,
Shabeeb

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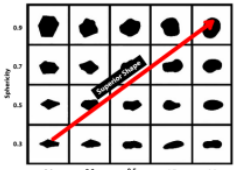

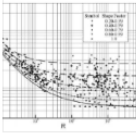


Figure 2.11

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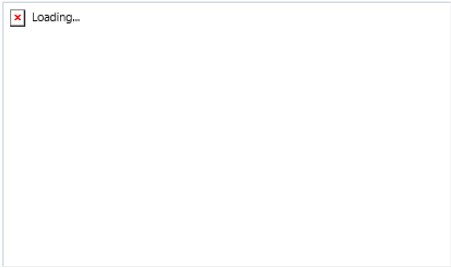


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Volume of serial or monograph	SPE-184841-MS	Issue, if republishing an article from a serial	NA
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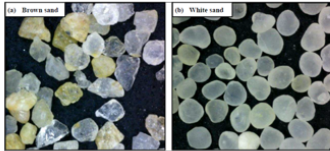


Figure 3.13. (a) High angularity of 100-mesh brown sand and (b) High roundness and sphericity of 40/70 white sand (Alotaibi, 2015).

Table 3.1. Properties of both 100-mesh brown sand and 40/70 mesh white sand (Alotaibi, 2015; Bahri, 2020).

Proppant Type and Size	Proppant Average Diameter		Roundness	Sphericity
	inch	mm		
100 Mesh Brown Sand	0.0073	0.1854	0.3	0.5
40/70 Mesh White Sand	0.0131	0.3320	0.7	0.9

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Thanks,
Shabeeb Alajmi

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