

From: Ole B. Rygg
Sent: Mon May 10 14:35:13 2010
To: Mix, Kurt
Cc: Sprague, Jonathan D; wburch@wildwell.com
Subject: Current flow out of riser
Importance: Normal
Attachments: image001.jpg; Flow out of riser.docx

Kurt,
based on the observation from the video you showed me Yesterday I did some rough estimations.
I do not think it can be ruled out that the flow out at seabed is in the order of 40 000 bopd.

This is comparable to a velocity of around 1 ft/s leaving the pipe. See enclosed.

Observations of flow of liquid into another liquid (with not that different density) is quite different from surface observation of oil flowing out of a pipe in air.

Please QC the numbers.

regards,
Ole

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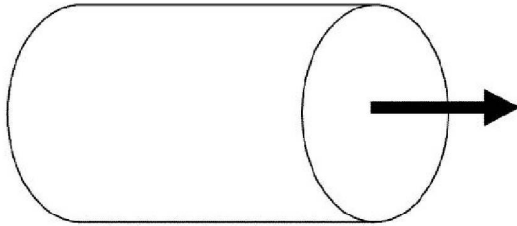
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MC252 #1

Oil flow out of riser

ID=19.75"



Oil rate		Velocity
bopd	bpm	ft/s
5000	3.5	0.2
38000	26.4	1.2
55000	38.2	1.7
74000	51.4	2.3

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