

From: Crane, Allison  
Sent: Fri May 07 23:16:29 2010  
To: Winters, Warren J  
Cc: MC252\_Email\_Retention  
Subject: RE: Centralizers on MC252 7" Casing  
Importance: Normal  
Attachments: Weatherford DT 5609787SO dated 04-01-2010.pdf; 10743 BP.pdf

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There were a total of six centralizer subs installed on six joints of casing, two of which were installed on the guide shoe and float collar joints. Attached is a copy of the Weatherford shipping ticket with a description of the centralizer subs and the float equipment that was bucked up on casing. Also attached is a copy of the torque-turn charts for the buckup of this equipment.

## *Al Crane*

Materials Management Coordinator  
BP GoM Deepwater Exploration  
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From: Winters, Warren J  
Sent: Friday, May 07, 2010 1:36 PM  
To: Crane, Allison  
Cc: MC252\_Email\_Retention  
Subject: Centralizers on MC252 7" Casing

Al,

I am working on the Deepwater Horizon Investigation team and, in support of our cementing simulations, would like to obtain a description of the centralizers used on the 7" production casing. I understand there were 6 pre-installed on the bottom casing joints. Can you provide more details?

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