

From: Olsen, Asbjorn (Stavanger)  
Sent: Monday, May 17, 2010  
To: Turlak, Rob (Houston)  
Cc: Leach, Gary (Houston)  
Subject: FW: BOP on BOP Plan

Importance: High

Attachments: image004.gif;

Rob

Some general comments from me

lain needs a plan, so I am trying

1. Identify equipment and time required to fit 2 x Valves plus Subsea Choke on the DD II BOP, these to be ROV Controllable and not hooked into the BOP Control System.

FSV double block available

- 2 days

Pipe work from FSV to Choke & Pipe w/hub on discharge side needs to be produced

- 4 days to source and build pipe work needed c/with hubs

Choke needs to be sourced through Cameron

- 4 days to source and make ready (overhaul)

ROV Control System to be designed and build

7 days to design, build and test

Assemble all components, pressure test, ship

2 days

Ship and install on the rig - 3 days

TOTAL OF ~ 12 DAYS

2. Identify equipment and time required to fit 2 x Valves plus Subsea Choke on the DD II BOP, these to be ROV Controllable and not hooked into the BOP Control System.

FSV double block available X 2

- 2 days

Pipe work from FSV to Choke & Pipe w/hub on discharge side needs to be produced

hub

- 5 days to source and build pipe work needed c/with hubs

Choke needs to be sourced through Cameron

- 4 days to source and make ready (overhaul)

ROV Control System to be designed and build

8 days to design, build and test

Assemble all components, pressure test, ship

2 days

Split current stack and install on the rig - 3 days

4 days

FAT and commissioning - 1 DAY

Ship to rig - 1 day

TOTAL OF 12 - 14 DAYS

i am sure I missed quite a few things

**From:** Olsen, Asbjorn (Stavanger)  
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**Importance:** High

**Attachments:** image004.gif; image005.gif

Rob

Some general comments from me

lain needs a plan, so I am trying this for a start

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7 days to design, build and test

Assemble all components, pressure test, ship

2 days

Ship and install on the rig - 3 days

**TOTAL OF ~ 12 DAYS**

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