

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

- 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 – 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)**  
**Sent: Monday, May 17, 2010 10:22 PM**  
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**Subject: FW: BOP on BOP Plan**

**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

**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

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

Choke needs to be sourced through Cameron

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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**

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