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

Importance: High

Attachments: image004.gir;

Rob

Some general comments from

lain needs a plan, so I am trying

 Identify equipment and time in Controllable and not hooked into

FSV double block available

- 2 days

Pipe work from FSV to Choke it

4 days to source and build pip
Choke needs to be sourced thin

4 days to source and make us.

ROV Control System to be design 7 days to design, build and test Assemble all components, press

2 days Ship and install on the rig = 3 da TOTAL OF ~ 12 DAYS

2. Identify equipment and time additional Ram plus leg of 2 x

FSV double block available X : - 2 days

Pipe work from FSV to Choke a

 5 days to source and baild on Choke needs to be sourced the 4 days to source and make in ROV Control System to be 8 days to design, build and tech Assemble all components, pre-2 days

Spit current stack and heart 4 days

FAT and commissioning – Ship to rig = 1 day TOTAL OF 12 – 14 DAYS

i am sure I missed quite a few

CONFIDENTIAL

From: Olsen, Asbjorn (Stavanger)

Sent: Monday, May 17, 2010 10:22 PM

To: Turlak, Rob (Houston)
Cc: Leach, Gary (Houston)

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

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