

WISC eBOOK Revision 4

Surface Intervention Draft

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Surface Intervention Chapter

- Introduction Level
- Knowledge sharing
- Complement existing eBOOK
 - Not the same as IOGP document



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Introduction

Why surface intervention is added in the eBOOK

- As knowledge sharing that will need experts to perform the execution

What is surface intervention

- Must be started immediately to clear the debris, mitigate the spills, stop or divert the hydrocarbon while relief well is being planned and mobilized.
- Parallel efforts to mitigate and stop the blow-out from surface and at the same time to perform subsurface intervention to permanently stop the flow.

Surface Intervention Challenges

- Multi well pads, rig fall over, platform/rig damage, offshore and Deepwater operations
- Capping, specialized operation that would require personnel, equipment and resources to mobilize. Could be to deal with a single well to complex multiple wells pad on land to deep water intervention.
- Risk assessment and contingency to deal with further deterioration of the blowout well or to deal with rapidly changing environments, winds speed and direction, rain and hurricanes





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Source control

- SIMOPs and mitigations actions to prevent further health, safety and environmental damages.
- Relief well drilling as primary then secondary actions must be followed.

Source control activities:

- 1. Relief well
- 2. SIMOPS
- 3. Engineering Service
- 4. Site Survey
- 5. BOP intervention
- 6. Debris removal, redirecting the fire
- 7. Containment
 - a. Land
 - b. Offshore, Dispersant
- 8. Capping
- 9. Flowback



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Setting expectation

- Statistics on relief well to control the blow-out
- Capping can be a successful method in getting the well under control. The relief well operation is a parallel effort to perform well control permanently as well as incase the capping operation takes a longer duration or is unsuccessful.



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ISCWSA Well Intercept Virtual Meeting – March 3, 2021



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