LOADOUT ANALYSIS OF JACKET KERISI CONOCOPHILIPS
INDONESIA

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Abstract

Loadout is transportation process of jacket structure from fabrication yard to barge on which the jacket structure will be transported to the site in offshore. One of the method is skidding, where the jacket pulled with winch above the skidway. This method used for the operation of big structure (above 3000 ton) loadout. When the jacket have encumbered barge, the problem that arised is how to control the ballast system so the altitude gets equalized between the deck barge and continent. This term must be fulfilled during loadout process. The most influence factor on this situation is the variation of tide and draft of barge. Finally, it will effect the capacities pumps that used in ballast system. The other problem is related to jacket structure itself. During loadout process, jacket integrity have to be checked due to overstress because its critical position. With some parameter from theoretical calculation and data in this case could get prediction of critical reaction of structure during the loadout process and the optimized ballast system.

Key words : loadout, ballast, barge.