

عنوان مقاله:

Benefits of Using Skirted Pile Jacket Instead of Pile Through Leg Jacket in Persian Gulf

محل انتشار:

شانزدهمین همایش صنایع دریایی (سال: 1393)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

In current research two existing pile through leg jacket platforms of Forouzan oil and gas zone are modeled with skirt piles in SACS software to compare their structural behavior, weight, constructability, maintainability, removal costs and other parameters to find which design method is more beneficial for Forouzan oil and gas zone. Modeling and analysis are done based on original jackets design criteria and specification to reach more realistic results. Selecting design and fabrication method in offshore projects are closely related to contractors' equipment and experience and also each method has its own beneficial and advantageous points which can lead to use them in specific projects. These methods discussed comprehensively in current paper however for this particular site and its environment, the analyses indicate that using skirt pile method may result in more optimized and lighter structures which are easier to install and remove and more structural benefits and lower costs can be attained in this zone

کلمات کلیدی:

Pile Through Leg, Skirt Pile, Fixed Platform, Deep Foundation

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