

The Effect of Oil Price on Field Production: Evidence from the Norwegian Continental Shelf

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Abstract

I use detailed field-level data on Norwegian offshore oil production and a semi-parametric additive model to control for the production profile of fields to estimate the effect of oil prices on production. I find no significant evidence of a concurrent reaction of field production to oil prices, though a slight lagged effect is found of the magnitude of approximately 1 to 4% for a 10 dollar per barrel increase in the real price of oil.

Keywords: Oil production, Oil Prices, Norway, Generalized Additive Model.

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