

Turkey

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Methane Emissions Resulting from Upstream Petroleum Activities in Turkey

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Member of Turkish Oil & Gas Subcommittee

GMI Oil and Gas Subcommittee Meeting
Geneva, Switzerland
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General Information About Turkey



Capital City: Ankara

Area: 814,578 km²

Population: 80 million

Energy Consumption: 135 million toe

Upstream Petroleum Sector in Turkey



18 million barrel crude oil production (annual)

0,4 billion m³ (1,400 million scf) natural gas production (annual)

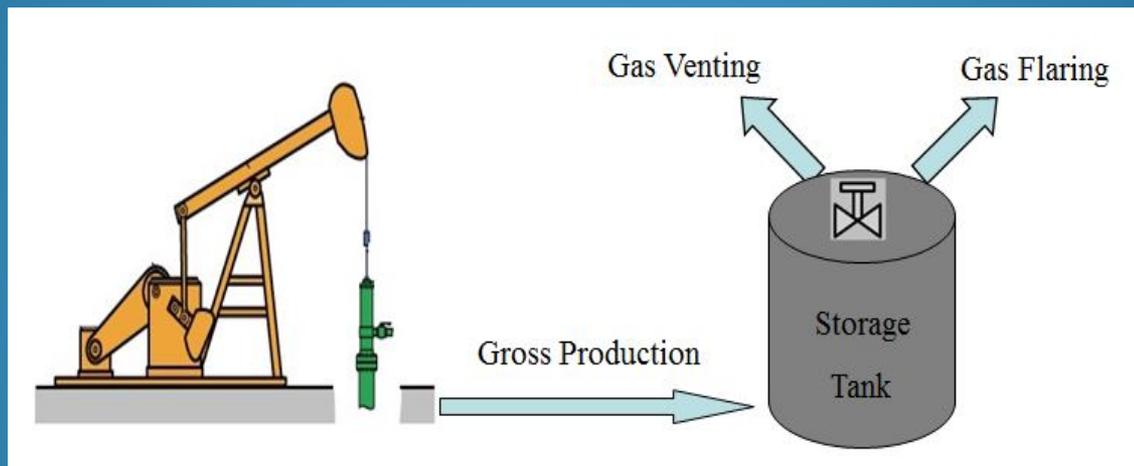
Characteristics of Turkish Crude Oils

- Black Oil Type
- Low gas content
- Weighted Average Gas/Oil Ratio (GOR): 70 scf/bbl



Methane Emission

- Associated gas is processed through venting at storage tanks in several of the fields with low gas content and is flared at most of the fields
- Flared Methane Amount ≈ 33 million m^3 (1.1 billion scf) annually resulting from associated gas
- Emitted Methane Amount ≈ 3 million m^3 (0.1 billion scf) annually resulting from associated gas



Evaluations

- Low greenhouse gas emissions based on the oil & gas sector (upstream) activities in Turkey
- The estimated flared methane amount shows similarity to the results (26 million m³) of the satellite data of “World Bank” (NOAA/GGFR, 2017)





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Thank you

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