



Insights from Japan about Prospects of Renewable Energy

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Abstract:

Japan represents less than 2% of the world population, yet its energy usage is nearly 5% of global consumption. As the third largest economy in the world, and a highly industrialized one, this is not surprising. What is surprising is how modest is the use of renewable energy. Prior to Fukushima, renewables represented only 5% of the total energy mix. And today, nearly ten years on, it represents only 8%. Given that Japan is highly dependent on imports of primary energy resources, the expectation is that renewables would be far more developed. It is after all the best way to ensure security of supply. What can explain this paradox? And does it reveal causes that can help us understand the obstacles to the proliferation of renewables in Japan?

Biography:

Younes Jalali is a former faculty of Stanford University (School of Earth Sciences, 1987-1990), Scientific Advisor at Schlumberger (1990-2017), Distinguished Lecturer of SPE (Society of Petroleum Engineers, 2009-2010), and worked in Japan in the aftermath of Fukushima (2013-2017).

Recent Publications:

1. Jalali, Y., Haq, S.: "On Combined Use of Bed Boundary Logs and Formation Testing while Drilling to Predict Well Deliverability," 19th Formation Evaluation Symposium of Japan, Chiba, Japan, September 26-27, 2013.
2. Jalali, Y.: "Detecting Horizontal Intervals Prone to Production Problems by Novel LWD Measurements," WSEOR, Xi'an, China, 25-28 April, 2012.
3. Zhang, L., Jalali, Y.: "Well Productivity Estimation during Drilling," extended abstract presented at the EAGE Workshop on Geosteering and Well Placement, Dubai, UAE, 7-10 November 2010.
4. Huo, D., Jalali, Y.: "An Analysis of CO₂ Storage Prospects in Deep Saline Reservoirs," paper SPE 136077 presented at the SPE Production and Operations Conference and Exhibition, Tunis, Tunisia, 8-10 June 2010.
5. Zhang, L., Jalali, Y.: "Estimation and Utility of Well Productivity during Drilling," paper SPE 130811 presented at the International Oil and Gas Conference and Exhibition, Beijing, China, 8-10 June 2010.



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