

Visit the new IRT website!
Spring 2015



Our mission is to provide the highest quality engineering and geoscience consulting services to the petroleum industry in a creative, technologically rigorous, ethical, and cost effective fashion.

IRT is pleased to announce the release of our new website!

www.irt-inc.com .

We are very proud of our new IRT website, the collaborative effort of Messrs. May, Sena, and Dillon, showing you the 'horsepower' IRT can bring to your company. Do you know the years of experience for IRT personnel averages 31 years? (See the company tab on our website) We are very proud of the fact that our staff has worked from the ground up (yes, some of us have worked on drilling rigs and in the field – see our resumes by clicking on the names in IRT Personnel) all the way to exotic/scientific CO₂ studies. The training tab in the website shows you the courses IRT offers for folks that want to learn static and dynamic reservoir modeling from end to end.

See the new patent holder on staff!

McGuire, et. al, "Hydrocarbon recovery process (Emulsion EOR)", US Patent 8 939 211, January 27, 2015.

Mr. Patrick McGuire received his seventh patent on January 27, 2015. This patent involves increasing oil recovery by the creation of viscous oil emulsions in-situ through injection of softened water into appropriate reservoirs containing medium gravity oil. Laboratory testing and field testing in Alaska demonstrated that this technique can mobilize significant volumes of additional oil by reducing residual oil saturation and by increasing waterflood sweep efficiency in medium gravity oils.

IRT in the press!

IRT EOR expert Patrick McGuire is deeply involved in world's largest offshore WAG for Maersk, and as he points out, 'it is working well'.

<http://www.maersk.com/en/the-maersk-group/about-us/maersk-post/2014-5/a-qatari-growth-story>

"Water injection has significantly improved recovery, and Al Shaheen has one of the world's largest offshore waterfloods. Enhanced Oil Recovery (EOR) technologies, such as the first phase of the largest offshore water-alternating-gas injection project in the world, are also being applied."

Over the next few years we hope to hear more about this project and the success it brings Maersk.

Also check out our continued work in the Middle East and North America!

Middle East:

IRT continues to be very active in the Middle East, where we've been conducting integrated studies for over a decade now. Two studies are currently underway and next year looks to be equally promising. These projects include a mix of technically challenging carbonate and clastic reservoirs.

North America:

IRT is currently seeing an increase in interest in Williston Basin EOR potential. Many operators are seeing the long term value in EOR miscible injection projects beyond the current Bakken activity. Several studies are currently underway.

Darrell Kramer has been evaluating exploration projects in the Kenai Peninsula and Nenana Basin, Alaska.



Dr. Kramer is also constructing a geocellular model for the Kaskida Field, deep water Gulf of Mexico. An earlier model was constructed in 2010, but this new model will incorporate data from a wide azimuth 3D seismic survey and additional information from a new wellbore penetration of the structure.

As always, please don't hesitate to call if you need our services. We take pride in our work and rely on repeat business from satisfied clients.

Best regards,

Dan Simpson

VP Marketing
Senior Consultant-Engineering
Web: www.irt-inc.com
Work: 303-279-0877
Email: dsimpson@irt-inc.com