

# IRT Newsletter

## Fall 2025



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.

### 2025 – Have you missed us?

IRT is still providing services to the oil and gas industry. No, this is not an AI generated newsletter as the rest of the world seems to have gone crazy over the artificial intelligence efforts. Our team is still working many different projects around the world. Our list of projects includes both international and USA clients (<http://irt-inc.com/projects.html>.)

Our focus is still providing static and dynamic modeling for both conventional and unconventional reservoirs. A review of what is new at IRT is discussed below.

### IRT Staff changes:

Richard Dillon retired in November of 2023 but still works parttime for IRT as an associate. Jim Kalbus retired in July of 2025. Both Richard and Jim were IRT employees for many years and their valuable contributions will be missed.

Several new additions to our Associate staff were also added.

**David Hoffman** has over 45 years of professional experience as a petroleum geologist. His career includes extensive domestic and international experience with major integrated companies all around the world. His technical specializations include advanced 3D geocellular modeling, petrophysics, numerical simulation for IOR/EOR projects, geotechnical data management, exploration new ventures, field studies, and reserves evaluations.

**Paul Button** is a reservoir engineer who brings over 27 years of expertise in reservoir engineering and simulation, with a strong focus on naturally fractured reservoirs and enhanced oil recovery (EOR) via gas injection.

**Brian Glater** is a petroleum engineer who specializes in production and reservoir engineering, with experience in software integration, data analysis, project management, and personnel management in remote locations with diverse, multi-disciplinary teams.

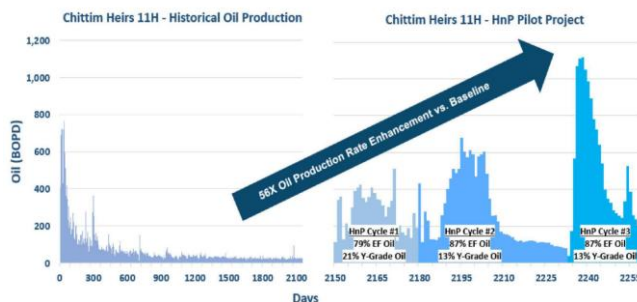
### SPE (Society of Petroleum Engineers) News:

IRT continued its strategic role in providing an SPE Distinguished Lecturer (DL) for the 2023-2024 season. Eric Ding was the fourth DL to be honored at IRT, with the previous DL's from IRT listed below:

Walt Dobbs, P.E. Dobbs (2021-2022),  
Patrick McGuire (2019-2020), and  
Dr. Thomas Gould (1988-1989).

Eric's presentation on "Hydrocarbon Miscible EOR in Conventional and Unconventional Reservoirs" was broadcast live as a webinar on SPE Live and was well received at SPE meetings in Kazakhstan, Norway, Canada, and Wyoming.

Additional work by IRT also provided support for a new EOR process for increased Eagle Ford shale oil production using reservoir simulation models to support BlackBrush's successful EOR pilot. The plot and text below are from SPE-224381-MS paper: "This visual accentuates the fact that the original IP for the pilot was 760 bbl oil per day for a 24-hour period whereas the pilot well had a five-day period that averaged over 1,000 bbl of oil per day... The 10-year simulated EUR (assuming continuous HnP operations) increased 4x versus pre-HnP projections; or an incremental reserve recovery of over 400 MBO."



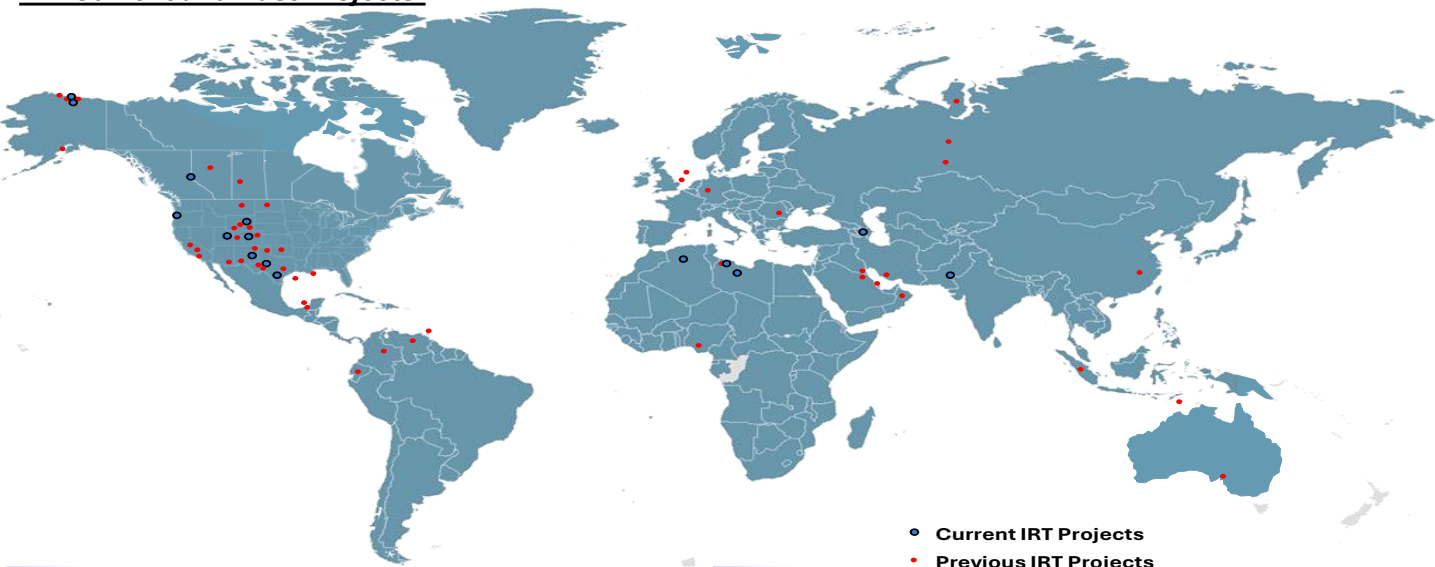
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**International  
Reservoir  
Technologies, Inc.**

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### IRT Current and Past Projects:



#### ***Onshore Libya:***

IRT has been working on several integrated multidiscipline projects over the last three years in the Murzuq and Sirte Basins of Libya. Field development planning for both clastic and carbonate reservoirs have been accomplished thru detailed reservoir description and production history match models.

IRT hosted several staff from Tripoli in our Lakewood, Colorado office for both on-the-job training (OJT) and duty assignments. The interdisciplinary nature of our projects lend itself particularly well to OJT, since participants will be exposed to a collaborative environment where broad experience can be shared with all participants.

#### ***Azerbaijan:***

Several sector models were constructed by IRT for the offshore Azeri Field in the Caspian Sea. The goal of the study was to build an updated reservoir description for sector modeling to better understand and capture the reservoir heterogeneity, and to optimize current and future waterflood patterns.

Various static models were built to test reservoir connectivity and correlation uncertainty within a dominantly fluvial depositional environment. Seismic attribute analysis also provided additional constraints on high porosity sand distribution in the static model. Although the study is still ongoing, dynamic reservoir

#### ***Pakistan:***

IRT is collaborating with Weatherford in an advisory role for projects they have with OGDCL (Oil and Gas Development Company Limited) in Pakistan. IRT staff will participate in several peer reviews of reservoir engineering, geophysics and geomodelling aspects of the project.

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