



CSUR's Enhanced Hydrocarbon Recovery for Unconventional Reservoirs Breakfast Event – Jan 14th, 2020

CSUR's inaugural event for 2020 was the follow up session to the 2019 event on this theme. As the Western Canadian Oil & Gas industry continues to face an uphill battle, technology and science continue to be the main drivers for long-term sustainability for all sectors of the industry. As with conventional reservoirs in the past, incremental recovery via enhanced recovery methods meant an extension to the active & economic life of a given reservoir. Similarly, implementing the right scheme at the right time in unconventional reservoirs could result in both better economics and prolonged production life for a reservoir.

The message from all 3 speakers at this event was consistent as some 50 attendees gathered useful & critical information to potentially consider for their respective reservoirs and properties. For example, the speakers stressed the importance of knowing the basics about each reservoir prior to considering or instituting an enhanced recovery scheme. Critical understanding of fluid phase behavior, injection / reservoir fluid compatibility, rock mechanics, petro-physics and of course geology were deemed essential as part of the screening & design process. The speakers also delved into the different types of enhanced processes and injection fluids that could be utilized in unconventional reservoirs. Pros & cons of the various processes & injection fluids were also discussed and their corresponding impacts on the overall economics of the projects.

Finally, there appeared to be a general overarching message of sharing & collaboration – sharing of ideas, sharing of data, sharing of knowledge, sharing of technology, collaboration via Joint Industry Partnerships (JIP) and working agreements. As has been demonstrated by COSIA (Canada's Oil Sands Innovation Alliance), there is power in numbers and partnerships that benefit all levels & sectors of the industry. Similarly, notwithstanding the competitive aspects of this industry, the Canadian Unconventional Resources sector has the potential for significant growth and compete globally with increased dialogue and transparency.

