

Flare Gas Capture: Lessons Learned

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Abstract

CanGas has developed a process to transport raw, unprocessed solution gas that contains heavier hydrocarbons. This process allows the producer the flexibility to take the gas from where it is being flared, to where it can generate value for them or to meet regulatory requirements. The gas is loaded into a container with a skid mounted, portable compression facility located at the gas source. The full container is transported to an unloading skid located at a gas plant, pipeline, or end user. Once emptied, the container is returned to be filled again. This procedure is very similar to the oil being trucked from a well and as long as the oil can be trucked, the gas can be trucked as well.

Transporting natural gas in containers is not new in the world, but is relatively new to the Williston Basin. Most of the compressed gas that is being transported via road transport is processed gas that is being moved to places where pipeline infrastructure is lacking or where the application is of a temporary nature. The recent expansion of drilling throughout the Bakken Oil play has resulted in significant growth of associated gas volumes at rates where the pipeline infrastructure has not kept pace. The current solution for many of these single well batteries has been to truck the oil and flare the gas.

Over the past 3 1/2 years CanGas Solutions Inc. has built a business around conserving associated gas from oil wells in Saskatchewan and Alberta. During this time CanGas has learned that there are many factors that need to be considered when evaluating Flare Gas Capture and Transport. This presentation will explore some of the key lessons learned to be able to help producers decide if Rich Gas Transport is a solution for them.

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