

Case Story



Sour Gas Wells Creating Odor Issues with Landowners

Client:

The client is a privately held oil and gas exploration and production company based in Alberta, Canada, with operations in Saskatchewan.

Challenge:

The energy company encountered a challenge in the Saskatchewan region where they operated oil wells, as the wells produced solution gas with a sour composition. In response, the company opted to burn off this gas through flaring. However, due to variable combustion efficiency of flare stacks this approach prompted significant grievances from both landowners and residents. They expressed concerns about the persistent odor emanating from the flare stack, as well as the visible flames that accompanied it.

TCI Solution:

To address the concerns of the landowners, the client took proactive measures by reaching out to TCI to assess the site and the composition of the wells. Their objective was to explore alternatives to the traditional flare stack. TCI proposed an effective solution by offering rental trailer-mounted incineration units specifically designed to achieve 99.9% combustion efficiency. These units were capable of eliminating the odor emitted from the sites. Following the delivery and installation of two of these units, the client has successfully operated without any visible flames. Moreover, for the past six months since replacing the flare stacks, there have been no reports of odor issues. This indicates a significant improvement in the environmental impact and the overall satisfaction of the surrounding community.



**ELIMINATED
UNWANTED ODORS**



**IMPROVED LANDOWNER
RELATIONS**






Total Combustion Inc.



Discrete Combustion

- No smoke, odor, or visible flame for discreet combustion.
- Minimize impact to local communities and residents.
- No radiant heat concerns.
- Enhanced safety.

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