

# Capture Methane Emissions and Innovate to Net Zero

Strategy to reduce flowback emissions by 90% or more

## At a glance

The New Mexico Energy Department & NM Energy, Minerals and Natural Resources Department are in the process of developing rules for operators to reduce methane emissions. As of Aug. 5, the O&G industry must comply with requirements to; audit operations, ensure compliance, and disclose violations.

## Highlights

Prevented sand from reaching production facilities experiencing extremely high sand rates during first phase of well clean up.



### ALL

Methane Emissions from Desanders cleanouts directed to flare.



### \$80K+

Generated in additional revenue realized.

# SPECIALIZED DESANDERS USA

THE MOST TRUSTED SAND SOLUTION



[www.desanders.com](http://www.desanders.com)



Midland, TX

## CHALLENGE

A New Mexico flowback operator contacted Specialized Desanders USA Inc. to discuss the long term implications of not adhering to energy department regulations to reduce methane emissions. Cyclonic technologies were considered, but it was determined that the process would carry significant safety and environmental risk. Blowing down 'on the fly' and flowing well pressures to a closed tank was a non-starter. The operator challenged SDI to control as much methane emissions as possible during the flowback process.

## SOLUTIONS

The client utilized two Desanders per well on the initial pad. SDI created an optimal rig-up design that allowed for operational flexibility, ensured safety, provided accurate sand production data, and controlled overall cost without compromising efficiency.



Custom  
Engineering



Training &  
Support



Accurate Sand  
Measurement

## BENEFITS

### Additional Revenue

1

For each well, an average of 21.5 mscf/d would have been vented to the atmosphere with competing technology. Instead, it is sold during flowback operations.

### Mitigate Future Risk & Fines

2

For each well, an average of 0.40 metric tons of methane per day that would have been vented using competing technology is instead sold for additional revenue. In 1 month, \$10K in (2024) potential fines curbed, and over \$231k in potential fines avoided during project lifetime.

### Smooth Transition With No Down Time

3

With 20+ years of sour gas production experience, SDI was able to provide operational continuity without any interruption to production. The client established a new standard going forward on all subsequent flowbacks.