

# HPump surface pumping system supplements compressors to reliably boost CO<sub>2</sub> injection at lower power demand

## CHALLENGES

Conventional 700-HP compressors for CO<sub>2</sub> injection suffered from:

- Reduced performance with slight increases in CO<sub>2</sub> temperatures
- High CAPEX and large power requirements during operation
- Complicated and time-consuming installation on site
- Labor-intensive maintenance and repair, which increases nonproductive time and decreases CO<sub>2</sub> injection volumes

## SOLUTION

Supplements compressor with the [HPump™ surface pumping system](#) to improve pumping efficiency and lower costs with features including:

- Proven performance based on electrical submersible pump technology
- Scalable, modular design and off-the-shelf components for faster install and repairs
- Optimized pump stage count for efficient CO<sub>2</sub> pumping at reduced densities
- Greater pumping flexibility and flow assurance at half the operating cost of a single compressor

## RESULTS

26.7 MMcf/d

transported at 450 HP load

36% less power

required to run the pumps

Increased pumping

output at continuous injection rates

Lower costs

to install, operate, and maintain