

**AEREON**

CREATING A CLEANER PLANET

CASE STUDY #170204

**CYCLONE AIR-ASSIST FLARE
SFVP-0824 X 40'**

PROJECT DETAILS

Location:	Permian Basin
Flow Rate HP:	10 MMSCFD
HP Inlet Pressure (ΔP):	10-250 psig
HP Smokeless %:	100% of flow
Flow Rate LP:	1.0 MMSCFD
LP Inlet Pressure (ΔP):	8 oz/in ²
LP Smokeless %:	100% of flow
Heating Value:	1250 BTU/SCF
Pilot:	Electronic Model 850
Installed Year:	2017



Aereon's Cyclone Series Air-Assisted Flare is used here to burn off waste natural gas from a high-pressure separator and storage tanks. Assist air is introduced via a concentric riser design where it aggressively mixes with the waste LP/HP gases at the flare tip to improve combustion and smokeless performance. The LP riser design minimizes pressure drop allowing for very low LP supply pressure to still achieve smokeless combustion even at high LP flow rates. A deflagration arrestor is utilized in the supply line prevents flame backflash.

AEREON: Smokeless Performance for Dual HP/LP Waste Gas!