

Customer Success

Engine Division



Permian – Gas Compression – Gas Gathering Application

Engine model: Caterpillar G-3612 / Ariel JGC/6

Power	4750 Horsepower	Length	41' (12.49 Meters)
Speed	1000 RPM	Width	15' (4.572 Meters)
Height	14' (4.26 Meters)	Weight	225,000 lbs. (102,060 kg)

FACTS IN BRIEF

- Gas Gathering new pressure and volume conditions. 2 stage to 3 stage conversion.
- Customer needed to redeploy existing idle compression assets to a new location in lieu of buying new packages.
- Existing asset was packaged with a 2 stage DR 7HOS6-2. Project included changing the compressor frame from the DR frame to Ariel JGC/6-3 frame
- Evaluation of buying new packages ~ \$3.2 MM capital spend to ~\$1.25MM revamping restaging existing idle units.

SOLUTION APPLIED

- Consideration of utilizing existing compressor frames to changing to new manufacturer (Ariel). New manufacturer and frame provided much better operating performance.
- Solution resulted in new compressor frame installed and better performance.
- WPI's solution was chosen due to expertise, price and ease of doing business.

RESULTS

- Customer received a “like new” product which provided better operational performance at a much lower cost and better delivery than purchasing new. Customer was very happy with the end results of utilizing existing assets, revamping those assets and redeploying to new plant.



Before



Before



Conversion in Process



After Conversion - Installed in Field