

FLO ULTIMA heavy crude drag reducing agent increased throughput 35% in asphaltenic crude-containing pipeline in North America

CHALLENGES

- Cost-effective treatment to overcome limitations in heavy asphaltenic crude pipelines
- Standard DRA products not compatible due to lack of solubility

SOLUTION

- [FLO™ ULTIMA drag reducing agent](#) was utilized for its ability to:
 - Reduce frictional pressure loss increasing throughput of asphaltenic crudes that are restricted by viscosity or operating pressure
 - Provide high drag reduction at low dosage
 - Dissolve in asphaltenic crudes with <23 API gravity for optimum flow
 - Enable shutdown of intermediate pump stations and effectively optimize power usage to lower overall OPEX

RESULTS

100%
Compatibility achieved

35%
Increase in crude throughput

