







# SURFACE JET PUMP (SJP) TECHNOLOGY



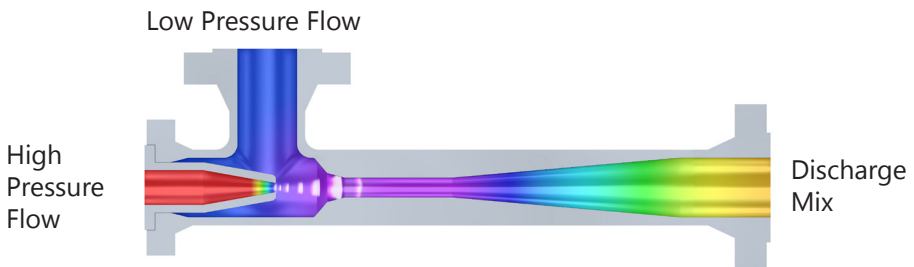
-  Increase Production from Mature Oil or Gas Fields
-  Revive Liquid Loaded Wells
-  Debottleneck Compressors
-  Prevent Gas Flaring or Venting
-  Back Pressure reduction to gain more production by retrofitting
-  Avoiding LP wells/field backout

1500# Surface Jet Pump



## What does it do?

SJPs (also known as Eductors, Ejectors, Venturi Pumps & Velocity Spools) are powered by a high pressure motive flow which draws in a low pressure flow. The combined flows are discharged at an intermediate pressure.



Caltec is extremely effective at harnessing existing energy sources for motive flow within the production process, such as a compressor on recycle, or a high pressure well, in order to boost the production rate of low pressure wells or replace compressors. Rapid deployment can enable you to increase production from 10%-40% quickly and simply for very low CAPEX and minimal OPEX.

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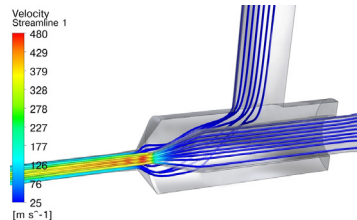


## Solution Design

Caltec provide a comprehensive range of production process enhancement services. Our unique knowledge and experience is used at each stage of a project's lifecycle to optimise the solution, integrate with existing facilities, mitigate risk and maximise value.

Key services and Available Software:

- Application and Concept Identification
- Site Survey
- Feasibility Studies & Well Analysis (Petex IPM® Suite)
- Pre-FEED, FEED, Detailed Design and Deployment Project Management
- P&ID, Operating Philosophy and Piping Layout Review
- Bespoke specialist software for Surface Jet Pump & Compact Separation Solutions
- HAZOP
- CFD (ANSYS CFX® & Fluent®)
- FEA (ANSYS DesignSpace®)
- Process Simulation (Aspen HYSYS®)
- 3D modelling (AutoDesk Inventor®)
- Technology Training Courses
- Improving Process in Brownfields
- R&D Facilities
- Innovative thinking



To request a copy of 'Surface Jet Pumps (SJPs) for Enhanced Oil and Gas Production - Engineer's Handbook' please visit our website.



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For more information on our full product range and consultancy services please visit our website.

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